

**COTTONWOOD SAND MINE PROJECT  
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L	Energy Calculations
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## LIST OF ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
ACM	asbestos containing material
ADMRT	Air Dispersion Modeling and Risk Tool
ADT	average daily traffic
AIA	Airport Influence Area
ALUCP	Airport Land Use Compatibility Plan
amsl	above mean sea level
APN	Assessor's Parcel Number
AQIA	Air Quality Impact Assessment
ATS	advanced treatment systems
BACT	best available control technology
BAT	best available technology economically achievable
BCT	best conventional pollutant control technology
BFE	Base Flood Elevation
BGEPA	Bald and Golden Eagle Protection Act
bgs	below ground surface
BMO	Biological Mitigation Ordinance
BMPs	best management practices
BRCA	Biological Resource Core Area
BTR	Biological Technical Report
BTU	British thermal units
C&D	construction and demolition
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CAL FIRE	California Department of Forestry and Fire Protection
Cal/OSHA	California Division of Occupational Safety and Health
CalARP	California Accidental Release Program
CalEEMod	California Emission Estimator Model
CalEPA	California Environmental Protection Agency
Cal-IPC	California Invasive Plant Council
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CASQA	California Stormwater Quality Association
CCAA	California Clean Air Act of 1988
CCR	California Code of Regulations
CDC	Centers for Disease Control and Prevention
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission

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CED	California Energy Demand
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CESA	California Endangered Species Act
CFC	California Fire Code
CFG Code	California Fish and Game Code
CFR	Code of Federal Regulations
cfs	cubic feet per second
CGS	California Geological Survey
CH <sub>4</sub>	methane
CHHSLs	California Human Health Screening Levels
CHP	California Highway Patrol
CIWMB	California Integrated Waste Management Board
CLOMR	Conditional Letter of Map Revision
cm	centimeter
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2e</sub>	carbon dioxide equivalent
COS	Conservation and Open Space (Element)
County	County of San Diego
CPA	community planning area
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRPR	California Rare Plant Rank
CSMP	Construction Site Monitoring Program
CSP	Conservation Subdivision Program
CTMP	Community Trails Master Plan
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
cy	cubic yards
dB	decibel(s)
dBA	A-weighted decibel(s)
DEHQ	San Diego County Department of Environmental Health and Quality
DM	Design Manual
DOC	California Department of Conservation
DPM	diesel particulate matter
DRI	Desert Research Institute
DTSC	Department of Toxic Substances Control
EIR	Environmental Impact Report
EO	executive order

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EPIC	Energy Policy Initiative Center
ERA	exceedance response action
ESA	Environmental Site Assessment
ESL	Environmental Screening Level
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FIRM	Flood Insurance Rate Map
FPP	Fire Protection Plan
General Plan	San Diego County General Plan
Geocon	Geocon, Inc.
GHG	greenhouse gas
GPA	General Plan Amendment
gpm	gallons per minute
GSA	groundwater sustainability agency
GSP	groundwater sustainability plan
GWh	gigawatt hours
GWP	global warming potential
H&SC	Health and Safety Code
H <sub>2</sub> S	hydrogen sulfide
HA	hydrologic area
HARP	Hotspots Analysis and Reporting Program
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HELIX	HELIX Environmental Planning, Inc.
HFCs	hydrofluorocarbons
HMBEP	Hazardous Materials Business Emergency Plan
HMBP	Hazardous Materials Business Plan
HMD	Hazardous Materials Division
HMMP	Hydromodification Management Plan
HMTA	Hazardous Materials Transportation Act
HR	House of Representatives Bill
HRA	Health Risk Assessment
HRS	USEPA Hazard Ranking System
HU	Hydrologic Unit
IFC	International Fire Code
in/sec	inches per second
IPCC	Intergovernmental Panel on Climate Change
IVMP	Integrated Vector Management Program
KCRC	Kumeyaay Cultural Repatriation Committee
KV	key view

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kWh	kilowatt hours
LCFS	Low Carbon Fuel Standard
LED	light-emitting diode
L <sub>EQ</sub>	equivalent sound level
LID	Low Impact Development
LLG	Linscott, Law and Greenspan, Engineers
LMA	Local Mobility Analysis
LOMR	Letter of Map Revision
LOS	level of service
LPC	Light Pollution Code
LTPP	Long Term Procurement Plan
LUST	leaking underground storage tank
MBTA	Migratory Bird Treaty Act
MEIR	maximum exposed individual resident
mg/m <sup>3</sup>	milligrams per cubic meter
MLD	Most Likely Descendant
MMT	million metric tons
MMTh	million therms
Montreal Protocol	Montreal Protocol on Substances that Deplete the Ozone Layer
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MRZ	Mineral Resource Zone
MS4	municipal separate storm sewer systems
MSCP	Multiple Species Conservation Program
MSHA	Mine Safety and Health Administration
MUP	Major Use Permit
MW	megawatt(s)
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NAL	numeric action level
NASA	National Aeronautics and Space Administration
NCCP	Natural Communities Conservation Planning
NEL	numeric effluent limitation
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NO <sub>2</sub>	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOP	Notice of Preparation
NO <sub>x</sub>	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System

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NPL	National Priority List
NPPA	Native Plant Protection Act
NRHP	National Register of Historic Places
NSLU(s)	noise-sensitive land use(s)
NSR	New Source Review
O <sub>3</sub>	ozone
ODC	ozone-depleting substance
OEHHA	Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OPR	California Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PALs	plantwide applicability limitations
PAMA	Pre-approved Mitigation Area
PanGIS	PanGIS, Inc.
PCBs	polychlorinated biphenyls
PCC	Portland cement concrete
PCE	passenger car equivalent
PFCs	perfluorocarbons
PM	particulate matter
PM <sub>10</sub>	particulate matter smaller than 10 microns in diameter
PM <sub>2.5</sub>	particulate matter smaller than 2.5 microns in diameter
ppm	parts per million
PPV	peak particle velocity
PRC	Public Resources Code
Project/Proposed Project	Cottonwood Sand Mine Project
PSD	Prevention of Significant Deterioration
QISP	Qualified Industrial Storm Water Practitioner
RAQS	Regional Air Quality Strategy
RCRA	Resource Conservation and Recovery Act
REAP	Rain Event Action Plan
RES	Regional Energy Strategy
RMP	Resource Management Plan/Risk Management Plan
ROGs	reactive organic gases
RP	Reclamation Plan
RPO	Resource Protection Ordinance
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
SAFE Vehicles Rule	Safer Affordable Fuel-Efficient Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks
SANDAG	San Diego Association of Governments

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SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SCIC	South Coastal Information Center
SCS	Sustainable Communities Strategy
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDG&E	San Diego Gas and Electric
SDNWR	San Diego National Wildlife Refuge
SDREO	San Diego Regional Energy Office
SF	square feet, foot
SF <sub>6</sub>	sulfur hexafluoride
SFHA	Special Flood Hazard Area
SGMA	Sustainable Groundwater Management Act
SIP	State Implementation Plan
SMAQMD	Sacramento Metropolitan Air Quality Management District
SMARA	Surface Mining and Reclamation Act
SMCFPD	San Miguel Consolidated Fire Protection District
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	oxides of sulfur
Specific Plan	Rancho San Diego Specific Plan
SR	State Route
SRA	State Responsibility Area
SSC	Species of Special Concern
SSM	Stormwater Standards Manual
STLC	soluble threshold limit concentration
SWITRS	Statewide Integrated Traffic Records System
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TACs	toxic air contaminants
T-BACT	Toxics Best Available Control Technology
TCLP	Toxic Characteristic Leaching Procedure
TDU	traffic demand units
TIA	Traffic Impact Analysis
TIF	Transportation Impact Fee
TTLC	total threshold limit concentration
U.S.	United States
UBC	Uniform Building Code
UDC	Unified Disaster Council
UFC	Uniform Fire Code
UNEP	United Nations Environment Program
UNFCCC	United Nations Framework Convention on Climate Change
Unified Program	Unified Hazardous Waste and Hazardous Materials Management Regulatory Program

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USACE	U.S. Army Corps of Engineers
USD	University of San Diego
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
USOSHA	U.S. Occupational Safety and Health Administration
UST	underground storage tank
VCP	Vector Control Program
VMT	vehicle miles traveled
VOCs	volatile organic compounds
WL	Watch List
WPO	Watershed Protection Ordinance
WRCC	Western Regional Climate Center
WRI	World Resource Institute
WUS	Waters of the U.S.
ZEV	zero emissions vehicle

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