

12.0 LIST OF ACRONYMS AND ABBREVIATIONS

°C	Celsius
°F	Fahrenheit
µg/m ³	micrograms per cubic meter
A	Anticipated
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ABAU	adjusted business-as-usual
ACM	asbestos-containing material
ADA	Americans with Disabilities Act
ADL	Activities of Daily Living
ADL	aerially deposited lead
ADT	average daily traffic
AER	Annual Emission Reporting Program
AESTH	Aesthetics
af/yr	acre feet of water per year
AGR	Agricultural Supply
APN	Assessor's Parcel Number
AQ	Air Quality
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
ARMR	Archaeological Resource Management Report
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technologies
Basin	South Coast Air Basin
BAU	business-as-usual
BC	black carbon
bcf	billion cubic feet

BHPWD	Beverly Hills Public Works Department
BIO	Biological
Bio-CO ₂	Biologically Generated Carbon Dioxide
BMP	best management practice
BOD	Biological Oxygen Demand
C ₂ F ₆	hexafluoromethane
CAAQS	California ambient air quality standards
CAFÉ	Corporate Average Fuel Economy
Cal/OSHA	California Occupational Safety and Health Administration
Cal/OSHA	California Occupational Safety and Health Administration
CalARP	California Accidental Release Prevention Program
CalEEMOD	California Emissions Estimator Model
Cal-EPA	State of California Environmental Protection Agency
CALGreen Code	California Green Building Standards Code
California Register	California Register of Historical Resources
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CAMUCTD	California Manual on Uniform Traffic Control Devices
CAP	Climate Action Plan
CAR	Corrective Action Report
CAT	Climate Action Team
CBC	California Building Code
CC	Community Commercial
CC2	Commercial Community 2
CCAA/CAA	California Clean Air Act
CCC	California Coastal Commission
CCR	California Code of Regulations
CCRC	Continuing Care Retirement Community
CDFW	California Department of Fish and Wildlife
CDMG	California Division of Mines and Geology
CDP	Coastal Development Permit
CDTED	Crime Prevention Through Environmental Design

CEC	California Energy Commission
CEP	California Emergency Plan
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CESA	California Endangered Species Act
cf	cubic feet
CF ₄	tetrafluoromethane
CFC	California Fire Code
CFCs	chlorofluorocarbons
CFR	Code of Federal Regulations
CGS	California Geological Survey
CH ₄	methane
CHHSL	California Human Health Screening Levels
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
City	City of Long Beach
CIWM	California Integrated Waste Management Act of 1989
CIWMB	California Integrated Waste Management Board
CLETS	California Law Enforcement Telecommunications System
cm	centimeter(s)
CMP	Los Angeles County Congestion Management Plan
CMPHS	Congestion Management Plan Highway System
CN	Commercial Neighborhood
CNEL	Community Noise Equivalent Level
CNG	compressed natural gas
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
CO ₂ e/yr/SP	carbon dioxide equivalent per year per service population

COD	Chemical Oxygen Demand
COG	Council of Government
Commission	California Fish and Game Commission
Cortese List	Hazardous Waste and Substances Sites (Cortese) List
CPT	Cone Penetration Tests
CPUC	California Public Utilities Commission
CSU	California State University
CSUDH	California State University, Dominguez Hills
CSULB	California State University, Long Beach
CTR	California Toxics Rule
CULT	Cultural
CUPA	Certified Unified Program Agency
CUSD	Capistrano Unified School District
CVC	California Vehicle Code
CWA	Clean Water Act
cy	cubic yards
DART	Downey Area Recycling and Transfer Facility
dB	decibels
dBA	A-weighted decibels
DBEGM	design basis earthquake ground motion
DEA	United States Drug Enforcement Agency
DEIR	Draft Environmental Impact Report
Delta	Sacramento-San Joaquin River Delta
DHS	Los Angeles County Department of Health Services
Diesel RRP	Diesel Risk Reduction Plan
DOC	California Department of Conservation
DOE	United States Department of Energy
DOF	Department of Finance
DOGGR	Department of Resources, Recycling, and Recovery
DOT	United States Department of Transportation
DPM	diesel particulate matter
DPR	Department of Parks and Recreation

DPW	Department of Public Works
DSS	State of California Department of Social Services
DTSC	California Department of Toxic Substances Control
du/ac	dwelling units per acre
du/lot	dwelling units per lot
DWR	Department of Water Resources
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EPA	United States Environmental Protection Agency
EO	Executive Order
EPA	United States Environmental Protection Agency
ERMP	Emergency Response Management Plan
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
ETWU	Estimated Total Water Usage
EWMP	Enhanced Watershed Management Program
FAA	Federal Aviation Administration
FAR	floor-to-area ratio
FEIR	Final Environmental Impact Report
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
FMMP	Farmland Mapping and Monitoring Program
FPPA	Farmland Policy Protection Act
ft	foot/feet
FTA	Federal Transit Administration
FTE	Full time equivalent
FY	Fiscal Year
G	greater impacts than the proposed project
gal	gallon
GCC	global climate change
GEO	Geological

GHG	greenhouse gas
GOS	General Open Space
gpd	gallons per day
gpm	gallons per minute
GPS	global positioning system
GWh	gigawatt hours
GWP	Global Warming Potential
H ₂ S	hydrogen sulfide
HABS	Historic American Buildings Survey
HAZ	Hazardous
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HDC	California Department of Housing and Community Development
HFC	hydrofluorocarbon
HI	Hazard Indices
HQTA	High Quality Transit Area
HRA	Health Risk Assessment
HRI	Historic Resources Inventory
HSC	California Health and Safety Code
HVAC	heating, ventilation, and air-conditioning
HVLP	high-volume, low-pressure
HWCL	State Hazardous Waste Control Law
HY	Hydrological
I-405	Interstate 405
I-5	Interstate 5
I-605	Interstate 605
I-710	Interstate 710
IC/EC	Institutional Controls/Engineering Controls
ICU	Intersection Capacity Utilization
IEA	International Energy Agency
IFC	International Fire Code
IIPP	Injury and Illness Prevention Program

IND	Industrial Service Supply
IPCC	United Nations Intergovernmental Panel on Climate Change
IS	Initial Study
ITE	Institute of Transportation Engineers
IWMP	Integrated Waste Management Plan
JWPCP	Joint Water Pollution Control Plant
K	kindergarten
kW	kilowatt
kW/day	kilowatts per day
L	Less Impacts than the Proposed Project
LACFD	Los Angeles County Fire Department
LACM	Natural History Museum of Los Angeles County
LACSD	County Sanitation Districts of Los Angeles County
LARWQCB	Los Angeles Regional Water Quality Control Board
LAUSD	Los Angeles Unified School District
LBCC	Long Beach Community College
LBFD	Long Beach Fire Department
LBGO	Long Beach Municipal Gas and Oil Department
LBMC	Long Beach Municipal Code
LBPD	Long Beach Police Department
LBPL	Long Beach Public Library
lbs	pounds
lbs/1,000 sf/day	pounds per thousand square feet per day
lbs/day	pounds per day
lbs/sf/day	pounds per square feet per day
lbs/unit/day	pounds per unit per day
LBSWMP	Long Beach Storm Water Management Program
LBT	Long Beach Transit
LBUSD	Long Beach Unified School District
LBWD	Long Beach Water Department
LCFCD	Los Angeles County Flood Control District
LCFF	Local Control Funding Formula

LCFS	Low Carbon Fuel Standard
LCP	Local Coastal Program
Ld _n	average night level
LED	light-emitting diodes
L _{eq}	Total Sound Energy of Time-Varying Noise
LGOP	Local Government Operations Protocol
LID	Low Impact Development
L _{max}	highest exponential time-averaged sound level
LOS	level of service
LSA	LSA Associates, Inc.
LSI	Limited Site Investigation
LST	Localized Significance Threshold
LUE	Land Use Element
LUST	leaking underground storage tank
MBAS	methylene blue activated substances
MBTA	Migratory Bird Treaty Act
MCF	thousand cubic feet
MEI	Maximally Exposed Individual
Metro	Los Angeles County Metropolitan Transportation Authority
mg/kg	milligrams per kilogram
mg/m ³	milligrams per Cubic Meter
mgd	millions of gallons per day
MICR	Minimum Individuals Cancer Risk
MLD	Most Likely Descendant
MMcf	million cubic feet
MMLOS	Multimodal Level of Service
MMRP	Mitigation Monitoring and Reporting Program
MMT	million metric tons
Mobility Plan	Bicycle and Pedestrian Mobility Plan
MOU	Memorandum of Understanding
mpg	miles per gallon
mph	miles per hour

MPO	Metropolitan Planning Organization
MRF	Materials Recovery Facility
MRP	Market Price Referent
MSL	mean sea level
MT	metric tons
MUN	Municipal and Domestic Supply
MUTCD	Manual on Uniform Traffic Devices
MW	megawatts
MWDSC	Metropolitan Water District of Southern California
MWh/yr	megawatt hours per year
MWMA	Medical Waste Management Act
MWMP	Medical Waste Management Program
N/A	not applicable
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NALMA	North American Land Mammal Age
National Register	National Register of Historic Places
NCCP	Natural Communities Conservation Plan
NFRAP	No Further Remedial Action Planned
NHTSA	National Highway Traffic Safety Administration
NLR	No Long Reporting
NO ₂	nitrogen dioxide
NOI	Notice of Intent
NOP	Notice of Preparation
NOP	Notice to Proceed
NO _x	nitrogen oxides
NPDES	National Pollution Discharge Elimination System
NPL	National Priority List
NRC	National Research Council
NRCS	United States Natural Resources Conservation Service
NTP	Notice of Preparation

NWOS	Northwest Open Space
O ₃	ozone
OAL	Office of Administrative Law
OC OA/EOC	Orange County and Operational Area Emergency Operations Center
OCFA	Orange County Fire Authority
OCSD	Orange County Sheriff's Department
OCTA	Orange County Transportation Authority
OEHHA	State Office of Environmental Health Hazard Assessment
OES	California Department of Emergency Services
OMB	White House Office of Management and Budget
OPR	Office of Planning and Research
OSH Act	Occupational Safety and Health Act of 1970
OSHA	Occupational Safety and Health Administration
P	potential
Pb	lead
PCB	polychlorinated biphenyl
PCH	Pacific Coast Highway
PDF	Portable Design Feature
PFC	perfluorocarbon
PGA	peak ground acceleration
pH	potential of hydrogen
Plan	climate action plan/greenhouse gas reduction plan
PM	particulate matter
PM ₁₀	particulate matter less than 10 microns in diameter
PM _{2.5}	particulate matter less than 2.5 microns in diameter
PMP	Port Master Plan
ppb	parts per billion
ppm	parts per million
ppv	peak particle velocity
PRC	Public Resources Code
PRIMP	Paleontological Resources Impact Mitigation Program
PROC	Industrial Process Supply

proposed project	General Plan Land Use and Urban Design Elements Project
PRV	Pressure Reducing Calve Station
PSI	Professional Service Industries
psi	pounds per square inch
PVC	polyvinyl chloride
RCFE	Residential Care Facility for the Elderly
RCP	Regional Comprehensive Plan
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
REC	Renewable Energy Credits
RES	Renewable Electricity Standard
RFP	Request for Proposal
RHNA	Regional Housing Needs Assessment
RMS	root-mean-square
ROC	reactive organic compounds
ROG	reactive organic gases
RPS	Renewable Portfolio Standard
RSL	Regional Screening Levels
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
S	Similar Impacts to the Proposed Project
SB	Senate Bill
SC	Standard Condition
SCAG	Southern California Association of Governments
SCAP	Sustainable City Action Plan
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
SCH	State Clearinghouse
SCS	Sustainable Community Strategy
SCSAM	South County Sub-Area Model

SDG&E	San Diego Gas & Electric
SEADIP	Southeast Area Development and Improvement Plan
SELAC	Southeast Los Angeles County
SEMS	Standardized Emergency Management System
SERRF	Southeast Resource Recovery Facility
sf	square feet/foot
SF ₆	sulfur hexafluoride
SHL	California Historical Landmarks
SHMA	Seismic Hazard Mapping Act
SHPI	California Points of Historical Interest
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SLF	Sacred Lands File
SMBRPD	Site Mitigation and Brownfields Reuse Program Database
SO ₂	sulfur dioxide
SoCal Gas	Southern California Gas Company
SO _x	sulfur oxides
SP	service population
SP/PP	Specific Plan/Precise Plan
SPL	State Equivalent Priority List
SR-1	State Route 1
SR-22	State Route 22
SR-47	State Route 47
SR-73	State Route 73
SR-74	State Route 74
SR-91	State Route 91
SR-103	State Route 103
SRA	Source Receptor Area
SRE	Scenic Routes Element
SRRE	Source Reduction and Recycling Element
State	State of California
SUSMP	Standard Urban Storm Water Mitigation Plan

SVOC	semi-volatile organic compound
SVP	Society of Vertebrate Paleontologists
SWF/LF	Solid Waste Landfill Facilities
SWL	Solid Waste Landfill
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminants
TAZ	traffic analysis zone
T-BACT	best available control technologies for toxics
TC	Treatment Control
TCA	Transportation Corridor Agencies
TCE	tetrachloroethene
TDM	Transportation Demand Management
TDML	Total Maximum Daily Load
TDS	total dissolved solids
TGC	The Gas Company
THF	tertrahydrofuran
TIA	Traffic Impact Analysis
TMP	Traffic Management Plan
TOD	transit-oriented development
tpd	tons per day
TPH	total petroleum hydrocarbons
tpy	tons per year
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, and Disposal
TSS	total suspended solid
TTM	Tentative Tract Map
UBC	Uniform Building Code
UCPP	United Coalition to Protect Panhe
UDE	Urban Design Element
UNFCCC	United Nations Framework Convention on Climate Change
UPRR	Union Pacific Rail Road

URM	unreinforced masonry
USC	United States Code
USDA	United States Department of Agriculture
USFWS	United State Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
UV	ultraviolet
UWMP	Urban Water Management Plan
UWMPA	Urban Water Management Planning Act
v/c	volume to capacity
VCOG	volatile reactive organic compounds
VCP	Voluntary Cleanup Program
VdB	velocity in decibels
VMT	vehicle miles traveled
VOC	volatile organic compounds
vph	vehicles per hour
Vref	reference velocity amplitude
WHMC	West Hollywood Municipal Code
Williamson Act	California Land Conservation (Williamson) Act
WMA	Watershed Management Area
WMP	Watershed Management Program
WMUDS	State Waste Management Unit Data System
Working Group	Greenhouse Gas CEQA Significance Threshold Working Group
WQI	Water Quality Intel
WQMP	Water Quality Management Plan
WRP	Long Beach Water Reclamation Plant
WSA	Water Supply Assessment
WSAP	Water Supply Allocation Plan
WUCOLS	Water Use Classification of Landscape
ZNE	Zero Net Energy