

12.0 LIST OF ACRONYMS AND ABBREVIATIONS

°C	Celsius
°F	Fahrenheit
µg/m ³	micrograms per cubic meter
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ACM	asbestos-containing material
ADT	average daily traffic
AELUP	Airport Environs Land Use Plan
af/yr	acre feet per year
AFH	Assessment of Fair Housing
ALUC	Airport Land Use Commission
ALUP	Airport Land Use Plan
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
Basin	South Coast Air Basin
BMP	best management practices
BTU	British thermal units
CAA	(Federal) Clean Air Act
CAAP	Climate Action and Adaptation Plan
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CalEEMOD	California Emissions Estimator Model
Cal EMA	California Emergency Management Agency
Cal/EPA	State of California Environmental Protection Agency
CAL FIRE	California Department of Forestry and Fire Protection
CALGreen Code	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CARB	California Air Resources Board

CARB Handbook	CARB's <i>Air Quality and Land Use Handbook</i>
CAT	Climate Action Team
CBC	California Building Code
CC	Community Commercial (PlaceType)
CCA	California Coastal Act
CCAA	California Clean Air Act
CCC	California Coastal Commission
CCR	California Code of Regulations
CCSP	Climate Change Science Program
CDFW	California Department of Fish and Wildlife
CDP	Coastal Development Permit
CPTED	Crime Prevention Through Environmental Design
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFC	California Fire Code
CFCs	chlorofluorocarbons
CH ₄	methane
City	City of Long Beach
CIRIS	City Inventory Reporting and Information System
CIWM	California Integrated Waste Management Act of 1989
CIWMB	California Integrated Waste Management Board
CM	Compliance Measures
CMP	Los Angeles County Congestion Management Plan
CNEL	Community Noise Equivalent Level
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
County	Los Angeles County
CPTED	Crime Prevention Through Environmental Design
CPUC	California Public Utilities Commission

CUPA	Certified Unified Program Agency
CVC	Century Villages at Cabrillo
DART	Downey Area Recycling and Transfer Facility
dB	decibels
dBA	A-weighted decibels
DOC	California Department of Conservation
DOE	United States Department of Energy
DOF	California Department of Finance
DOT	United States Department of Transportation
DPM	diesel particulate matter
DT	Downtown (PlaceType)
du/acre	dwelling units per acre
DWR	Department of Water Resources
EB	eastbound
EDD	State of California Employment Development Department
EIA	Energy Information Administration
EIR	Environmental Impact Report
EO	Executive Order
EPA	United States Environmental Protection Agency
ER Department	Emergency Resources Department
ESHA	Environmentally Sensitive Habitat Area
EWMP	Enhanced Watershed Management Program
FAA	Federal Aviation Administration
FAR	floor-to-area ratio
FCN	Founding and Contemporary Neighborhood (PlaceType)
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHWA	Federal Highway Administration
ft	foot/feet
FTA	Federal Transit Administration
FTE	Full time equivalent

FY	Fiscal Year
g/bhp-hr	grams per brake horsepower-hour
GCC	global climate change
GHG	greenhouse gas
gpd	gallons per day
GPG	General Plan Guidelines
GPS	global positioning system
GW	gigawatt
GWh	gigawatt hours
GWP	Global Warming Potential
HCM	<i>Highway Capacity Manual</i>
HCP	Habitat Conservation Plan
HFCs	hydrofluorocarbons
HQTA	High Quality Transit Area
HRA	Health Risk Assessment
HUD	U.S. Department of Housing and Urban Development
HVAC	heating, ventilation, and air-conditioning
I	Industrial (PlaceType)
I-405	Interstate 405
I-605	Interstate 605
I-710	Interstate 710
ICU	Intersection Capacity Utilization
IEA	International Energy Agency
IFC	International Fire Code
IM	Implementation Measures
IPCC	United Nations Intergovernmental Panel on Climate Change
IS	Initial Study
IS/NOP	Initial Study/Notice of Preparation
IWMP	Integrated Waste Management Plan
JFTB	Joint Forces Training Base
JPA	(SERRF) Joint Powers Authority

JWPCP	Joint Water Pollution Control Plant
kBtu	1,000 British thermal units
KBtu/acre	1,000 British thermal units per acre
kW	kilowatt
kWh	kilowatt hour
kW/day	kilowatts per day
L ₁₀	noise level exceeding 10 percent
L ₅₀	noise level exceeding 50 percent
L ₉₀	noise level exceeding 90 percent
LACSD	Sanitation Districts of Los Angeles County
LADOT	Los Angeles Department of Transportation
LBFD	Long Beach Fire Department
LBGO	Long Beach Municipal Gas and Oil Department
LBP	lead-based paints
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
LCFF	Local Control Funding Formula
LCFS	Low Carbon Fuel Standard
LCP	Local Coastal Program
L _{dn}	average night level
L _{eq}	Total Sound Energy of Time-Varying Noise
LID	Low Impact Development

L _{max}	highest exponential time-averaged sound level
LOS	level of service
LSA	LSA Associates, Inc.
LST	Localized Significance Threshold
LUE	(General Plan) Land Use Element
MATES	Multiple Air Toxics Exposure Study
Metro	Los Angeles County Metropolitan Transportation Authority
MFI	median family income
MFR-L	Multi-Family Residential-Low (PlaceType)
MFR-M	Multi-Family Residential-Moderate (PlaceType)
mg/m ³	milligrams per cubic meter
mgd	million gallons per day
MMT	million metric tons
MOP	Mobility of People (Mobility Policy)
mph	miles per hour
MPO	Metropolitan Planning Organization
MRF	Materials Recovery Facility
MT	metric tons
MT CO ₂ e/yr	metric tons of carbon dioxide equivalent per year
MT CO ₂ e/yr/sp	metric tons of carbon dioxide equivalent per year per service population
MW	megawatts
MWD	Metropolitan Water District of Southern California
MWh	megawatt hour
MWh/yr	megawatt hours per year
N	Neo-Industrial (PlaceType)
N/A	not applicable
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NB	northbound
NCCP	Natural Communities Conservation Plan

NEVs	neighborhood electric vehicles
NI	Neo-Industrial (PlaceType)
NO ₂	nitrogen dioxide
NOP	Notice of Preparation
NO _x	nitrogen oxide
NPDES	National Pollution Discharge Elimination System
NRC	National Research Council
NSC-L	Neighborhood-Serving Center or Corridor – Low (PlaceType)
NSC-M	Neighborhood-Serving Center or Corridor - Moderate (PlaceType)
O ₃	ozone
OCTA	Orange County Transportation Authority
OEHHA	State Office of Environmental Health Hazard Assessment
OPR	Governor’s Office of Planning and Research
OITC	Outdoor/Indoor Transmission Class
OS	Open Space (Place Type)
OSHA	Occupational Safety and Health Administration
Pb	lead
PCB	polychlorinated biphenyl
PCH	Pacific Coast Highway (also known as State Route 1)
pc/mi/ln	passenger cars per mile per lane
PDF	Project Design Feature
PFCs	perfluorocarbons
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 of Long Beach) Port Master Plan
POLA	Port of Los Angeles
POLB	Port of Long Beach
ppb	parts per billion
ppm	parts per million
PPV	peak particle velocity

PRC	Public Resources Code
proposed project	Recirculated Draft Environmental Impact Report General Plan Land Use and Urban Design Elements Project
RCP	Regional Comprehensive Plan
RHNA	Regional Housing Needs Assessment
RMS	root-mean-square
ROC	reactive organic compounds
ROGs	reactive organic gases
ROW	right-of-way
RPS	Renewable Portfolio Standard
RSF	Regional-Serving Facility (PlaceType)
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SC	Standard Condition
SCAG	Southern California Association of Governments
SCAP	(City of Long Beach) <i>Sustainable City Action Plan</i>
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCH	State Clearinghouse
SCS	Sustainable Communities Strategy
SEASP	Southeast Area Specific Plan
SELAC	Southeast Los Angeles County
SERRF	Southeast Resource Recovery Facility
sf	square foot/feet
SF ₆	sulfur hexafluoride
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SO _x	sulfur oxides

SP	service population
SR-1	State Route 1 (also known as Pacific Coast Highway [PCH])
SR-22	State Route 22
SR-47	State Route 47
SR-91	State Route 91
SR-103	State Route 103
SRE	(General Plan) Scenic Routes Element
SRRE	Source Reduction and Recycling Element
STAR	(Long Beach Transit) Systemwide Transit Analysis and Reassessment Initiative
State	State of California
<i>State CEQA Guidelines</i>	California Natural Resources Agency adopted the amendments to the <i>State CEQA Guidelines</i> in November 2018
STC	Sound Transmission Class
SUSMP	Standard Urban Storm Water Mitigation Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
T-BACTs	best available control technologies for toxics
TACs	toxic air contaminants
TAZ	Traffic Analysis Zone
TIA	Traffic Impact Analysis
TMDL	total maximum daily load
TOD-L	Transit-Oriented Development-Low (PlaceType)
TOD-M	Transit-Oriented Development-Moderate (PlaceType)
tpd	tons per day
TREC	Traveling Recycling Education Center
TRB	Transportation Research Board
UDE	(General Plan) Urban Design Element
UNFCCC	United Nations Framework Convention on Climate Change
UPRR	Union Pacific Rail Road
U.S. Census Bureau	United States Census Bureau

U.S. EPA	United States Environmental Protection Agency (see also USEPA, EPA)
USEPA	United States Environmental Protection Agency (also U.S. EPA and EPA)
USFWS	United State Fish and Wildlife Service
USGS	United States Geological Survey
UWMP	Urban Water Management Plan
UWMPA	Urban Water Management Planning Act
v/c	volume to capacity
VdB	velocity in decibels
VHFHSZ	very high fire hazard severity zones
VMT	vehicle miles traveled
VOC	volatile organic compounds
WB	westbound
WF	Waterfront (PlaceType)
WDID	Waste Discharge Identification Number
WMAs	Watershed Management Areas
WMP	Watershed Management Program
WQMP	Water Quality Management Plan
WRD	Water Replenishment District of Southern California
WRP	(Long Beach) Water Reclamation Plant
WSA	Water Supply Assessment