

IX. Acronyms and Abbreviations



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µm	micrometer
µg/m ³	micrograms per cubic meter
1,1,1-trichloroethane	methyl chloroform
1992 CO Plan	1992 Federal Attainment Plan for Carbon Monoxide
2005 Geotechnical Investigation	Geotechnical Investigation Report
2010 Geotechnical Evaluation	Supplemental Geotechnical Evaluation
2012–2035 RTP/SCS	2012–2035 Regional Transportation Plan/Sustainable Communities Strategy
2016–2040 RTP/SCS	2016–2040 Regional Transportation Plan/Sustainable Communities Strategy
AAM	annual arithmetic mean
AB	Assembly Bill
AB 32	California Global Warming Solutions Act of 2006
AB 3713	Connelly Act
AB 3777	La Follette Bill
ACC	Advanced Clean Cars Program
ACM	asbestos-containing material
ADT	average daily traffic volume
AEGs	Acute Exposure Guideline Levels
af	acre-feet
Af	artificial fill
AFY	acre-feet per year
Air Basin	South Coast Air Basin

ALS	advanced life support
APA	Administrative Procedure Act
AQMP	Air Quality Management Plan
Archaeological/ Paleontological Report	Addendum Report: Results of Archaeological and Paleontological Assessment of the Proposed Second and PCH Project
ASHRAE	American Society of Heating and Air-Conditioning Engineers
Assembly Bill 1358	Complete Streets Act
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
ATCM	airborne toxic control measure
BACT	best available control technology
Basin Plan	Water Quality Control Plan, Los Angeles Region: Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties
BDCP	Bay Delta Conservation Plan
bgs	below ground surface
BMPs	best management practices
BTEX	xylenes
C&D	construction and demolition
C ₂ F ₆	Hexafluoroethane
C ₂ H ₄ F ₂	1,1-Difluoroethane
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
Cal/OSHA	Division of Occupational Safety and Health
CalARP	California Accidental Release Program
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen Code	California Green Building Standards

California Register	California Register of Historical Resources
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB Handbook	Air Quality and Land Use Handbook
CAT	California Climate Action Team
CCA	Community Commercial Automobile
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CEUS	California Commercial End-Use Survey
cf	cubic feet
CF ₄	Tetrafluoromethane
CFR	Code of Federal Regulations
cfs	cubic feet per second
CH ₂ FCF ₃	1,1,1,2-Tetrafluoroethane
CH ₄	methane
CHF ₃	Fluoroform
City	City of Long Beach
Climate Registry	California Climate Action Registry
CMP	Los Angeles County Congestion Management Program
CNEL	Community Noise Equivalent Level
CO	carbon monoxide
CO ₂ /MWh	CO ₂ per MW-hour
CO ₂ e	carbon dioxide equivalent
Coastal Act	California Coastal Act
COGs	subregional council of governments
CPUC	California Public Utilities Commission

CSMP	Construction Site Monitoring Program
CTC	county transportation commission
CUPA	Long Beach Certified Unified Program Agency
CVP	Central Valley Project
CWA	Clean Water Act
cy	cubic yards
dB	decibel
dBA	A-weighted decibel
Delta	Sacramento–San Joaquin River Delta
DOGGR	California State Division of Oil, Gas and Geothermal Resources
DOSH	Division of Occupational Safety and Health
DPE	dual-phase extraction
DPM	diesel particulate matter
Draft EA	Draft Environmental Analysis
DRT	demand responsive transit
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
EIR	Environmental Impact Report
EIR/EIS	Environmental Impact Report/Environmental Impact Statement
EISA	Energy Independence and Security Act of 2007
Electricity and Natural Gas Memorandum	2nd and PCH SCE and Long Beach Gas and Oil—Ability to Serve
EMFAC	emission factors
EMS	emergency medical services
EMT	emergency medical technician
ESA	environmental site assessment
FAR	floor area ratio
FED to the Climate Change Scoping Plan	Climate Change Scoping Plan Functional Equivalent Document

FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FTA	Federal Transit Administration
g's	gravity
General Plan	City of Long Beach General Plan
Geotechnical Report	Updated Geotechnical Exploration Report
GHG	greenhouse gas
gpd	gallons per day
gpm	gallons per minute
Guidelines Amendments	Draft Guidelines Amendments for Greenhouse Gas Emissions
GWh	gigawatt-hours
GWP	Global Warming Potential
H ₂ S	hydrogen sulfide
HAP	hazardous air pollutant
HCD	California Department of Housing and Community Development
HCM	Highway Capacity Manual
HFCs	hydrofluorocarbons
Historic Resources Report	Historical Resource Evaluation Report
HQTA	high-quality transit area
HRA	health risk assessment
HVAC	heating/ventilating/air conditioning
I-405	Interstate 405 (San Diego Freeway)
I-605	Interstate 605
ICU	intersection capacity utilization
IPCC	United Nations Intergovernmental Panel on Climate Change
IRP	Integrated Resources Plan
ITE	Institute of Transportation Engineers
ITS	intelligent transportation systems

JWPCP	Joint Water Pollution Control Plant
kBtu	British thermal unit
km	kilometer
kWh	kilowatt-hour
LACM	Natural History Museum of Los Angeles County
LARWQCB	Los Angeles RWQCB
LBFD	Long Beach Fire Department
LBGO	City of Long Beach, Gas & Oil Department
LBMC	Long Beach Municipal Code
LBPD	Long Beach Police Department
lbs/day	pounds per day
LBT	Long Beach Transit
LBWD	Long Beach Water Department
LCFS	low carbon fuel standard
LCP	local coastal program
L_{dn}	Day/Night Average Sound Level
LEED®	Leadership in Energy and Environmental Design
L_{eq}	equivalent sound level
LEV	low-emission vehicle
LID	low impact development
L_{max}	maximum noise levels
L_n	statistical sound level
LOS	level of service
LST	localized significance threshold
LUD	land use district
LUST	leaking underground storage tank
Mandatory Reporting Rule	California Regulation for the Mandatory Reporting of Greenhouse Gas Emissions

Marina Drive Project	Marina Drive “Complete Street” Improvement Project
Metro	Los Angeles County Metropolitan Transportation Authority
mgd	million gallons per day
mm	millimeter
MMBtu	million British thermal units
mpg	miles per gallon
mph	miles per hour
MPO	metropolitan planning organization
MRR	California Regulation for the Mandatory Reporting of Greenhouse Gas Emissions
MTBE	methyl-tert-butyl-ether
MTCO ₂ e	metric tons of carbon dioxide equivalent
MU-CC	Mixed-Use Community Core
MUTCD	California Manual on Uniform Traffic Control Device
MW	megawatts
Mw	moment magnitude
MWD	Metropolitan Water District of Southern California
MWh	megawatt-hours
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standard
NAHC	Native American Heritage Commission
NALs	numeric action levels
National Register	National Register of Historic Places
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NEV	neighborhood electric vehicle
NF ₃	nitrogen trifluoride
NHPA	National Historic Preservation Act

NHTSA	National Highway Traffic Safety Administration
NIERM	no implementation of emission reduction measures
NO	nitric oxide
NO ₂	nitrogen dioxide
NOI	Notice of Intent
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
O ₃	ozone
OCPs	organochlorine pesticides
OCTA	Orange County Transportation Authority
OEHHA	Office of Environmental Health Hazard Assessment
OHP	California Office of Historic Preservation
OPR	Office of Planning and Research
Ordinance No. ORD-09-0013	City of Long Beach Green Building Ordinance
OSHA	Occupational Safety and Health Administration
Parking Analysis	Parking Demand Analysis
PAU	paramedic assessment unit
Pavley I	AB 1493
Pb	lead
pc/h/ln	passenger cars per hour per lane
pc/mi/ln	passenger cars per mile per lane
PCBs	polychlorinated biphenyls
PCH	Pacific Coast Highway
PD-1	Planned Development District 1
PFCs	perfluorocarbons
Phase I ESA	Phase I Environmental Site Assessment
Phase II ESA	Phase II Environmental Site Assessment

PHEV	plug-in hybrid electric vehicles
PM _{2.5}	particulate matter less than 2.5 microns
PM ₁₀	particulate matter less than 10 microns
ppm	parts per million
PPV	peak particle velocity
Project Site	6400 East Pacific Coast Highway
Proposed 2017 Update	2017 Climate Change Scoping Plan Update: The Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target
psi	pounds per square inch
Qyf	Quaternary-aged young alluvial fan deposit
RASS	California Residential Appliance Saturation Survey
RCP	regional comprehensive plan
RCRA	Resource Conservation and Recovery Act
RDEIR/SDEIS	Recirculated Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement
REC	recognized environmental condition
RFS	renewable fuel standard
RMS	root-mean square
ROG	reactive organic compound
RPS	Renewable Portfolio Standards
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCEDC	Southern California Earthquake Data Center
SCS	sustainable community strategy

SEADIP	Southeast Area Development and Improvement Plan
SEASP	Southeast Area Specific Plan
sf	square feet
SF ₆	sulfur hexafluoride
SIP	state implementation plan
SLF	sacred lands file
SO ₂	sulfur dioxide
SO ₄ ²⁻	sulfates
SR-22	State Route 22 (Garden Grove Freeway)
SRA	source receptor area
Strategic Plan	2010 Long Beach Strategic Plan
Supplemental FED	Supplemental Functional Equivalent Document to the Climate Change
SUSMP	Standard Urban Stormwater Mitigation Plan
Sustainable City Action Plan	Long Beach Sustainable City Action Plan
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TCA	methyl chloroform
TDM	transportation demand management
TIA	traffic impact analysis
TMDL	total maximum daily load
TNM	traffic noise model
TOD	transit-oriented development
TPH-cc	total petroleum hydrocarbons, carbon chain
TPH-g	total petroleum hydrocarbons as gasoline
Traffic Study	Traffic Impact Analysis—2nd + PCH Project

TSCA	Toxic Substances Control Act
TSM	transportation system management
UNFCCC	United Nations Framework Convention on Climate Change
USDOE	United States Department of Energy
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
UST	underground storage tank
UWMP	urban water management plan
V/C	volume-to-capacity
VdB	velocity level in decibel
VMT	vehicle miles traveled
VOC	volatile organic compound
W	watts
Water Resources Report	Hydrology and Water Quality Technical Report
Wh	watt-hours
WSA	water supply assessment
ZEV	zero-emission vehicle