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## ACRONYMS AND ABBREVIATIONS

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Acronym/Abbreviation	Definition
AAQS	ambient air quality standards
AB	Assembly Bill
ACHP	Advisory Council on Historic Preservation
ACM	asbestos-containing materials
ADU	Accessory Dwelling Unit
AELUP	Airport Environs Land Use Plan
AFY	acre-feet per year
AGL	above ground level
ALUC	Airport Land Use Commission
ALUP	Airport Land Use Plan
ANSI	American National Standards Institute
AP	Airport
AQMP	Air Quality management Plan
ASTM	American Society for Testing and Materials
BMP	Best Management Practices
BP	Business Park
CAAP	Climate Action and Adaptation Plan
CAAQS	California Ambient Air Quality Standards
CAC	Certified Asbestos Consultant
Cal/OSHA	California Occupational Safety and Health Administration
CalEPA	California Environmental Protection Agency
CAO	Cherry Avenue Overlay Zone
CAPCOA	California Air Pollution Control Officers Association
CAP	climate action plan
CARB	California Air Resources Board
CC	Community Commercial
CDPH	California Department of Public Health
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFC	California Fire Code
CH <sub>4</sub>	methane
CHLD	California Heights Landmark District
CHNA	California Heights Neighborhood Association
CHRIS	California Historical Research Information System
CIRIS	City Inventory Reporting and Information System
CIWM	California Integrated Waste Management
CMP	Congestion Management Plan
CMTC	California Manufacturing Technology Center
CNEL	community noise equivalent level
CNG	compressed natural gas
CNMP	construction noise management plan

**ACRONYMS AND ABBREVIATIONS**

Acronym/Abbreviation	Definition
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO <sub>2</sub>	California's carbon dioxide
CPTED	Crime Prevention Through Environmental Design
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRRC	Cool Roof Rating Council
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
DI	ductile iron
DOF	California Department of Finance
DOGGR	Division of Oil, Gas, and Geothermal Resources
DPM	diesel particulate matter
DPR	Department of Parks and Recreation
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
ECR	Existing Conditions Report
EIA	Energy Information Administration
EIR	Environmental Impact Report
EISA	Energy Independence and Security Act of 2007
EMSI	Economic Modeling Specialists International
EO	Executive Order
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
EV	electric vehicle
EVSE	electric vehicle supply equipment
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulations
FHWA	Federal Highway Administration
FLMPA	Federal Land Management and Policy Act
FTA	Federal Transit Administration
FTE	full time equivalent
FY	Fiscal Year
GC	Government Code
GCSP	Globemaster Corridor Specific Plan
GHG	greenhouse gas
GWP	global warming potential
HABS	Historic American Building Survey
HAP	hazardous air pollutants
HCM	Highway Capacity Manual
HFC	hydrofluorocarbon
HI	hazard index
HRI	Historic Resource Inventory

**ACRONYMS AND ABBREVIATIONS**

<b>Acronym/Abbreviation</b>	<b>Definition</b>
HVAC	Heating, Ventilation and Air Conditioning
HWMP	Hazardous Waste Management Plan
I-405	Interstate 405
IC	Industrial Commercial
ICU	Intersection Capacity Utilization
IFC	International Fire Code
IG	General Industrial
IL	Light Industrial
IPCC	Intergovernmental Panel on Climate Change
IQ	intelligence quotient
IS	Initial Study
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
JWPCP	Joint Water Pollution Control Plant
LA	Los Angeles
LACFCD	Los Angeles County Flood Control District
LACSD	Los Angeles County Sanitation Districts
LBCC	Long Beach City College
LBER	Long Beach Energy Resources
LBFD	Long Beach Fire Department
LBGO	Long Beach Gas and Oil Department
LBHHS	Long Beach Department of Health and Human Services
LBMC	Long Beach Municipal Code
LBP	lead-based paints
LBPD	Long Beach Police Department
LBPL	Long Beach Public Library
LBWD	Long Beach Water District
LEA	local enforcement agency
LED	light emitting diodes
LEED	Leadership in Energy and Environmental Design
LID	Low Impact Development
LLG	Linscott, Law & Greenspan Engineers
LMC	Lakewood Municipal Code
LOS	level of service
LQHE	Limited Quantity Hauling Exemption
LSA	LSA Associates, Inc
LST	localized significance threshold
MICR	maximum individual cancer risk
MIL	Map and Imagery Laboratory
MLD	Most Likely Descendent
MMLOS	Multimodal Level of Service
MMRP	Mitigation Monitoring and Reporting Program
MOP	Mobility of People

**ACRONYMS AND ABBREVIATIONS**

Acronym/Abbreviation	Definition
MPO	Metropolitan Planning Organization
MRF	Material Recovery Facility
MVA	megavolt amperes
MWD	Metropolitan Water District of Southern California
MWDSC	Metropolitan Water District of Southern California
MWELO	Model Water Efficient Landscape Ordinance
MWMA	Medical Waste Management Act
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NEPA	National Environmental Policy Act
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NETR	Nationwide Environmental Title Research LLC
NF <sub>3</sub>	nitrogen trifluoride
NH <sub>3</sub>	ammonia
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO <sub>2</sub>	nitrogen dioxide
NOP	Notice of Preparation
NO <sub>x</sub>	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NSLU	noise- and vibration-sensitive land uses
NSPS	Standards of Performance for New Stationary Sources
O <sub>2</sub>	oxygen
O <sub>3</sub>	ozone
OAP	Odor Abatement Plan
OCTA	Orange County Transit Authority
OEA	Office of Economic Adjustments
OHP	Office of Historic Preservation
OPR	Office of Planning and Research
OS	Open Space
PAH	polyaromatic hydrocarbon
PCB	polychlorinated biphenyls
PCE	Passenger Car Equivalent
PD	Planned Development
PEIR	Program Environmental Impact Report
PEIS	Program Environmental Impact Statement
PFC	perfluorocarbon
PM <sub>10</sub>	particles less than 10 microns in diameter
PM <sub>2.5</sub>	fine particulate matter
PPV	peak particle velocity
PW	Public Works

**ACRONYMS AND ABBREVIATIONS**

Acronym/Abbreviation	Definition
RCB	reinforced concrete box
RCP	reinforced concrete pipe
RDEIR	Recirculated Draft Environmental Impact Report
RFS	Renewable Fuel Standard
ROC	required obstacle clearance
ROD	Record of Decision
RPS	Renewables Portfolio Standard
RPZ	Runway Safety Zone Overlay Zone
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	Regional Water Quality Control Board
SAFE	Safer Affordable Fuel-Efficient
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCAB	South Coast Air Basin
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
SCS	Sustainable Communities Strategy
SEASP	Southeast Area Specific Plan
SEER	Seasonal Energy Efficiency Ratio
SELAC	Southeast Los Angeles County
SENEL	Single Event Noise Exposure Level
SERRF	Southeast Resource Recovery Facility
SF	square feet
SF <sub>6</sub>	sulfur hexafluoride
SHMC	Signal Hill Municipal Code
SHPO	State Historic Preservation Officer
SLCP	short-lived climate pollutant
SLF	Sacred Lands File
SLM	sound level meter
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxides
SPL	sound pressure levels
SPR	Site Plan Review
SRA	Source-Receptor Area
SRI	solar reflective index
SRRE	Source Reduction and Recycling Element
ST	Survey Tag
SUSMP	Standard Urban Stormwater Mitigation Plan
SWAMP	Surface Water Ambient Monitoring Program

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**ACRONYMS AND ABBREVIATIONS**

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<b>Acronym/Abbreviation</b>	<b>Definition</b>
SWIS	Solid Waste Information System
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Toxic Air Contaminants
TAZ	Traffic Analysis Zone
TCR	tribal cultural resource
TDM	Transportation Demand Management
TERPS	U.S. Standard for Terminal Instrument Procedures
TIA	Traffic Impact Analysis
TISG	Transportation Impact Study Guide
TMDL	Total Maximum Daily Load
TOD	Transit-Oriented Development
TRU	Transport refrigeration unit
USAR	U.S. Army Reserve
UWMP	Urban Water Management Plan
V/C	volume to capacity
VCP	vitriified clay pipe
VFR	visual flight rules
VHFHSZ	very high fire hazard severity zone
VMT	vehicle miles traveled
VOC	volatile organic compound
WDR	Waste Discharge Requirement
WRCC	Western Regional Climate Center
WSAP	Water Supply Allocation Plan
WUCOLS	Water Use Classification of Landscape Species
ZNE	zero net energy