VIII. Acronyms and Abbreviations

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µg	microgram
µg/g	microgram per gram
µg/m^3	micrograms per cubic meter
µm	micrometer
°	degrees
ºC	degrees Celsius
ºF	degrees Fahrenheit
1992 CO Plan	1992 Federal Attainment Plan for Carbon Monoxide
2020 MWD UWMP	MWD 2020 Urban Water Management Plan
2022 Scoping Plan	Final 2022 Scoping Plan for Achieving Carbon Neutrality
2024–2050 RTP/SCS	2024–2050 Regional Transportation Plan/Sustainable Communities Strategy
AAM	annual arithmetic mean
AB	Assembly Bill
ACC II	Advanced Clean Cars II
ACM	asbestos-containing material
ADA	Americans with Disabilities Act
ADT	average daily traffic
AES	Acoustical Engineering Services
af	acre-feet
AFV	alternative fuel vehicles
AFY	acre-feet per year
AG Guidelines	Attorney General Best Practices for Analyzing and Mitigating Wildfire Impacts of Development Projects

AHLF	affordable housing linkage fee
AIM	advance infrastructure mitigation
Air Basin	South Coast Air Basin
ALUC	Airport Land Use Commission
AMSL	above mean sea level
Animal Services	Los Angeles Animal Services
ANSI	American National Standards Institute
APC	area planning commission
Appendix G	State CEQA Guidelines Appendix G
AQMP	air quality management plan
AR4	Fourth Assessment Report
AR5	Fifth Assessment Report
ARPA	Archaeological Resources Protection Act
AST	aboveground storage tank
ATCM	airborne toxic control measure
ATCS	adaptive traffic control system
ATSAC	advanced transportation system and coordination
AVTA	Antelope Valley Transit Authority
BACT	best available control technology
BDR	bedroom
BEN	bicycle enhanced network
BEP	Business Emergency Plan
BEV	battery electric vehicle
bgs	below ground surface
BLS	basic life support
BMP	best management practice
BOE	Bureau of Engineering
BTEX	xylenes

Bureau of Engineering	Department of Public Works, Bureau of Engineering
Business Plan Act	California Hazardous Materials Release Response Plans and Inventory Law of 1985
C&D	construction and demolition
C_2F_6	Hexafluoroethane
$C_2H_4F_2$	1,1-Difluoroethane
CA FID UST	California Facility Inventory Database
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 OES	California Governor's Office of Emergency Service
Cal/OSHA	California Occupational Safety and Health Administration
CalARP	California Accidental Release Program
CalEEMod	California Emissions Estimator Model®
Cal-EMA	California Emergency Management Agency
CalEPA	California Environmental Protection Agency
CalGEM	California Geologic Energy Management Division
CALGreen	California Green Building Standards
CALGreen Code	California Green Building Standards Code
California ISO	California Independent System Operator
California Register	California Register of Historical Resources
CALINE4	California LINE Source Dispersion Model, version 4
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CAMP4W	Climate Adaptation Master Plan for Water
CAP	climate action plan
CAPCOA	California Air Pollution Control Officers Association

CAPCOA Handbook	CAPCOA Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity
CARB	California Air Resources Board
CARB Handbook	Air Quality and Land Use Handbook: A Community Health Perspective
CAS	climate adaptation strategy
CASP	Cornfield Arroyo Seco Specific Plan
CAT	climate action team
CBC	California Building Code
CCAA	California Clean Air Act
CCR	California Code of Regulations
CCUS	carbon capture, utilization, and storage
CDFA	California Department of Food and Agriculture
CDR	carbon dioxide removal
CDS	continuous deflection separator
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
cf	cubic feet
CF_4	Tetrafluoromethane
CFC	California Fire Code
CFR	Code of Federal Regulations
cfs	cubic feet per second
CGS	California Geologic Survey
CH_2FCF_3	1,1,1,2-Tetrafluoroethane
CH_4	methane
CHC	Cultural Heritage Commission

CHF_3	Fluoroform
CHMIRS	California Hazardous Material Incident Report System
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
City	City of Los Angeles
City Freeway Guidance	Interim Guidance for Freeway Safety Analysis
Climate Registry	California Climate Action Registry
CNEL	community noise equivalent level
CNG	compressed natural gas
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO_2e	equivalent mass of carbon dioxide
COG	council of governments
CoIWMP	County of Los Angeles Countywide Integrated Waste Management Plan
Collaborative	California Biodiversity Collaborative
Community Plan	Central City North Community Plan
COMPSTAT	crime control model computer statistics
Connect SoCal 2024	2024–2050 Regional Transportation Plan/Sustainable Communities Strategy
Cortese List	Hazardous Waste and Substances Sites
County Flood Control	Los Angeles County Flood Control District
County	County of Los Angeles
CPI	Consumer Price Index
CPT	cone penetration test
CPTED	crime prevention through environmental design
CPUC	California Public Utilities Commission
CRA	Colorado River Aqueduct
CREC	controlled recognized environmental condition

CRHR	California Register of Historical Resources
CRMTP	Cultural Resources Monitoring and Treatment Plan
CSE	countywide siting element
CSTMP	construction staging and traffic management plan
CTC	California Transportation Commission
Cultural Resource Assessment	*Cultural Resource Evaluation and Impact Assessment for the Buena Vista Project*
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CWA	Clean Water Act
CWC	California Water Code
D	diameter
DASH	Downtown Area Shuttle
dB	decibels
dBA	A-weighted decibel filtering system
DBS	Department of Building and Safety
Design Guide	City of Los Angeles Complete Streets Design Guide
DIVCA	Digital Infrastructure and Video Competition Act of 2006
DNL	day-night average noise level
DOE	United States Department of Energy
DOGGR	Division of Oil, Gas, and Geothermal Resources
DOSH	Division of Occupational Safety and Health
DPM	diesel particulate matter
DPR	Department of Parks and Recreation
Draft EIR	Draft Environmental Impact Report
DTLA	Downtown Los Angeles
DTSC	Department of Toxic and Substance Control
du	dwelling unit
DWR	Department of Water Resources

EDR	environmental data resources
EIA	U.S. Energy Information Administration
EIR	Environmental Impact Report
EISA	Energy Independence and Security Act of 2007
EMFAC	EMission FACtor
EMFAC2021	EMFAC 2021 model
EMMA	Emergency Managers Mutual Aid
emp	employee
EMS	emergency medical service
Energy Code	California Energy Code
EPACT92	National Energy Policy Act of 1992
EPCA	Energy Policy and Conservation Act of 1975
ERC	emission reduction credit
ERO	electric reliability organization
ESA	environmental site assessment
EV	electric vehicle
EVSE	electric vehicle supply equipment
EWMP Group	Upper Los Angeles River Watershed Management Group
F	Fahrenheit
Facilities Plan	2007 LAPL Branch Facilities Plan
FAR	floor area ratio
FCC	Federal Communications Commission
FEHA	Fair Employment and Housing Act
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHSZ	fire hazard severity zone
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act

FIND	facility information database
FIRM	flood insurance rate map
FIS	flood insurance studies
FMZ	fire management zone
FoLAR	Friends of the Los Angeles River
FPS	fire preemption system
Framework Element	City of Los Angeles General Plan Framework Element
FTA	Federal Transit Administration
FUA	Fuel Use Act
Fund	Affordable Housing Trust Fund
FYE	fiscal year ending
gal	gallons
General Plan Framework	General Plan Framework Element
Geotechnical Investigation	Geotechnical Engineering Evaluation
GHG	greenhouse gas
GIS	geographic information system
gpd	gallons per day
gpm	gallons per minute
GPR	ground penetrating radar
GPR Assessment	Archaeological Test Excavations and Additional Ground-Penetrating-Radar Assessment
GSAs	groundwater sustainability agencies
GSP	groundwater sustainability plan
Guidelines	Citywide Design Guidelines
GWh	gigawatt hours
GWP	global warming potential
H_2S	hydrogen sulfide
HAER	Historic American Engineering Record

HASP	health and safety plan
Hayward Ruling	*City of Hayward v. Board of Trustees of California State University* (2015) 242 Cal. App. 4th 833
Hazardous Materials Report	*Hazards and Hazardous Materials Technical Report for the Buena Vista Project*
HazMat	hazardous materials
HAZWOPER	hazardous waste operations and emergency response
HCD	Housing and Community Development
HCIDLA	Housing + Community Investment Department
HCM	Highway Capacity Manual (Section IV.M, Transportation)
HCM	Historic-Cultural Monument (Section IV.C, Cultural Resources)
HCS	historic context statement
HDPUVs	heavy-duty pickup trucks and vans
HDV	heavy-duty vehicle
HFCs	hydrofluorocarbons
HFHSZ	high fire hazard severity zone
HIN	high injury network
HIST CORTESE	Hazardous Waste and Substance Site List
HIST UST	historical underground storage tank
Historical Report	*Buena Vista Project Historical Resources Technical Report*
HMCP	hazardous materials contingency plan
HMGP	Hazard Mitigation Grant Program
HMIS	hazardous material identification system
HMMP	hazardous material management program
HMP	hazard mitigation plan
HMTA	Hazardous Materials Transportation Act
Housing Element	General Plan Housing Element
HPOZ	historic preservation overlay zone
HQTA	high-quality transit area

HQTC	high-quality transit corridor
HRA	health risk assessment
HREC	historical recognized environmental condition
HRG	Historic Resources Group
HSC	Health and Safety Code
HVAC	heating, ventilating, air conditioning
HWCL	Hazardous Waste Control Law
HWRP	Hyperion Water Reclamation Plant
Hz	hertz
I-5	Interstate 5
IBC	International Building Code
ICS	incident command system
IDEFO	inert debris engineered fill operations
IESNA	Illuminating Engineering Society of North America
IFC	International Fire Code
IFFA	information of fire flow availability
IFFAR	information of fire flow availability report
IIPP	Injury and Illness Prevention Program
in/sec	inches per second
IPCC	Intergovernmental Panel on Climate Change
IRP	integrated resources plan
ITE	Institute of Transportation Engineers
Kizh Nation	Gabrieleño Band of Mission Indians—Kizh Nation
kWh	kilowatt-hour
LA Green Plan/ClimateLA	*Green LA, An Action Plan to Lead the Nation in Fighting Global Warming*
LA ART	Los Angeles Aerial Rapid Transit
LAA	Los Angeles Aqueducts
LADBS	Los Angeles Department of Building and Safety

LADOT	Los Angeles Department of Transportation
LADWP	Los Angeles Department of Water and Power
LAFD	Los Angeles Fire Department
LAMC	Los Angeles Municipal Code
LAPD	Los Angeles Police Department
LAPL	City of Los Angeles Public Library
LARWQCB	Los Angeles Regional Water Quality Control Board
LASAN	Los Angeles Sanitation
LASHP	El Pueblo de Los Angeles State Historic Park
LAWA	Los Angeles World Airports
LBP	lead-based paint
lbs	pounds
lbs/day	pounds per day
lbs/MWh	pounds per megawatt hour
LCFS	low carbon fuel standard
L_{dn}	average A-weighted noise level during a 24-hour day
LDV	light-duty vehicle
LED	light-emitting diode
L_{eq}	equivalent sound level
LEV	low-emission vehicle
LID	low impact development
LID Handbook	*Development Best Management Practices Handbook, Low Impact Development Manual*
LID Ordinance	Low Impact Development Ordinance
L_{max}	maximum instantaneous noise level
L_{min}	minimum instantaneous noise level
LOS	level of service
LRA	local responsibility area
LST	localized significance threshold

LTCP	Long-Term Conservation Plan
LUP	land use permit
LUST	leaking underground storage tank
L_x	noise level exceeded a percentage of a specified time period
LZ	lighting zone
MAF	million acre-feet
Mandatory Reporting Rule	Mandatory Reporting of Greenhouse Gas Emissions
MATES-V	Multiple Air Basin Toxics Exposure Study
Mbtu	thousand British thermal units
MCL	maximum contaminant level
MDV	medium duty vehicle
Metro	Los Angeles County Metropolitan Transportation Authority
mg/cm^2	milligram per square centimeter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mgd	million gallons per day
MLD	most likely descendant
MMP	mitigation monitoring program
$MMTCO_2e$	million metric tons of CO_2e
Mobility Plan	Mobility Plan 2035
mpg	miles per gallon
mph	miles per hour
MPO	metropolitan planning organization
MPP	manual of policies and procedures
MRL	Mesquite Regional Landfill
MRR	Mandatory Reporting of Greenhouse Gas Emissions
MTBE	methyl tert-butyl ether
Mutual Aid Plan	California Fire Service and Rescue Emergency Mutual Aid Plan

MW	megawatts
MWD	Metropolitan Water District of Southern California
MWh	megawatt-hours
MXD	mixed-use development
MY	model year
N/A	not available
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
National Register	National Register of Historic Places
NDRF	national disaster recovery framework
NEHRP	National Earthquake Hazards Reduction Program
NEN	neighborhood enhanced network
NERC	North American Electric Reliability Corporation
NF_3	nitrogen trifluoride
NFA	no further action
NFIP	National Flood Insurance Program
NFPA	National Fire Protection Association
NHMLA	Los Angeles County Natural History Museum
NHTSA	National Highway Traffic Safety Administration
NIMS	National Incident Management System
NMA	neighborhood mobility area
NO_2	nitrogen dioxide
NOI	notice of intent
NOP	Notice of Preparation
NPDES	National Pollutant Discharge Elimination System
NRF	national response framework
NSR	new source review

O_3	ozone
OAERP	Operational Area Emergency Response Plan
occ	occupants
OCTA	Orange County Transportation Authority
OEHHA	California Office of Environmental Health Hazard Assessment
OEM	Office of Emergency Management
OFFROAD	Off-Road Emissions Inventory Program
OHP	Office of Historic Preservation
OHR	Office of Historic Resources
One Water LA Plan	One Water LA 2040 Plan
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
OVA	organic vapor analyzer
OVM	organic vapor monitor
Paleontological Resources Assessment	Paleontological Resources Evaluation and Impact Assessment for the Buena Vista Project
parts per million	ppm
Pb	lead
PCBs	polychlorinated biphenyls
PDA	priority development area
PDF	project design feature
PED	pedestrian enhanced district
Peninsular Ranges	peninsular ranges geomorphic province
per	persons
PFCs	perfluorocarbons
PGA_M	peak ground acceleration maximum considered earthquake geometric mean
PHEV	plug-in hybrid electric vehicle
PHMSA	Pipeline and Hazardous Materials Safety Administration

Plan for a Healthy Los Angeles	Plan for a Healthy Los Angeles: A Health and Wellness Element of the General Plan
PM	particulate matter
$PM_{2.5}$	fine particulate matter ≤ 2.5 microns
PM_{10}	particulate matter ≤ 10 microns
ppm	parts per million
ppmv	parts per million by volume
PPV	peak particle velocity
PRC	Public Resources Code
Proposition HHH	Homelessness Reduction and Prevention, Housing, and Facilities Bond
Proposition JJJ	Affordable Housing and Labor Standards Initiative
PRPA	Paleontological Resources Preservation Act
psi	pounds per square inch
PURPA	Public Utility Regulatory Policies Act of 1978
PV	photovoltaic
PVC	polyvinyl chloride
Qf	qualifying faciliy
RASS	residential appliance saturation survey
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
RENEW LA	Recovering Energy, Natural Resources and Economic Benefit from Waste for Los Angeles Plan
RFS	renewable fuel standard
RHNA	regional housing needs assessment
RHO	Residential Hotel Unit Conversion and Demolition Ordinance
RLs	reporting limits
rm	rooms
RMS	root mean square
ROG	reactive organic gases

ROW	right-of-way
RPS	renewables portfolio standard
RSO	rent stabilization ordinance
RSPA	Research and Special Programs Administration
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	Regional Water Quality Control Board
S.A.F.E.	solvents/automotive/flammables/electronics (Section IV.O.3, Utilities and Service Systems—Solid Waste)
SAFE	safer affordable fuel-efficient (Section IV.F, Greenhouse Gas Emissions)
Safety Element	City of Los Angeles General Plan Safety Element
SAR	Second Assessment Report (Section IV.F, Greenhouse Gas Emissions)
SAR	service advisory request (Section IV.O.1, Utilties and Service Systems—Water Supply and Infrastructure)
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCAR	sewer capacity availability review
SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
SCS	Sustainable Communities Strategy
SCT	Santa Clarita Transit
SDWA	Safe Drinking Water Act
SEMS	standard emergency management system
sf	square feet
SF_6	sulfur hexafluoride
SFB	San Fernando Basin

SFHA	flood hazard areas
SGMA	Sustainable Groundwater Management Act
SIP	state implementation plan
SLCPs	short-lived climate pollutants
SLF	sacred lands file
SLIC	spills, leaks, investigations and cleanup
SMMC	Santa Monica Mountains Conservancy
SMMCP	Santa Monica Mountains Comprehensive Plan
SMMZ	Santa Monica Mountains Zone
SMP	soil management plan
SO_2	sulfur dioxide
SO_4^{2-}	sulfates
SoCalGas	Southern California Gas Company
SOI	sphere of influence
SORE	small offroad engine
SOV	single-occupant vehicle
SO_X	sulfur oxides
SPCC	spill prevention control and countermeasure
SPRR	Southern Pacific Railroad
SPT	standard penetration test
SR	State Route
SR-110	Arroyo Seco Parkway
SR4S	Safe Routes for Seniors
SRA	source receptor area (Section IV.B, Air Quality)
SRA	state responsibility area (Section IV.P, Wildfire)
SRI	Statistical Research, Inc.
SRRE	source reduction and recycling element
SRRF	Southeast Resource Recovery Facility

Standards	Secretary of the Interior's Standards for the Treatment of Historic Properties
Stormwater Program	Watershed Protection Program
Strategic Plan	Los Angeles Public Library Strategic Plan 2015–2020
Study Area	Project study area
Summary Plan	integrated waste management summary plan
Supplemental Transportation Assessment	Supplemental Transportation Assessment for the Buena Vista Project
Supreme Court	United States Supreme Court
SurveyLA	City of Los Angeles Historic Resources Survey
SUSMP	standard urban stormwater mitigation plan
Sustainable City pLAn 2019	Green New Deal
SVP	Society for Vertebrate Paleontology
SWEEPS UST	Statewide Environmental Evaluation and Planning System
SWIRP	Solid Waste Integrated Resources Plan
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TAG	transportation assessment guidelines
TAZ	traffic analysis zones
TBZ	travel behavior zone
Tc	time of concentration
TCM	transportation control measure
TCR Report	*Tribal Cultural Resources Assessment for the Buena Vista Project*
TDF	travel demand forecasting
TDM	transportation demand management

TEN	transit enhanced network
TEPH	total extractable petroleum hydrocarbons
Thresholds Guide	L.A. CEQA Thresholds Guide
TIMP	transportation improvement and mitigation plan
TMDL	total maximum daily load
tn/emp/yr	tons per employee per year
TNM	traffic noise model
TOC	transit-oriented communities
TOD	transit-oriented development
TPA	transit priority area
tpd	tons per day
TPH	total petroleum hydrocarbons
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
Transportation Assessment	Transportation Assessment for the Buena Vista Project
Tribe	Gabrieleño Band of Mission Indians—Kizh Nation
TSCA	Toxic Substances Control Act
TSS	total suspended solids
TVPH	total volatile petroleum hydrocarbons
UFC	Uniform Fire Code
ULAR EWMP	Enhanced Watershed Management Program for the Upper Los Angeles River
ULARA	Upper Los Angeles River Area
UNFCCC	United Nations Framework Convention on Climate Change
USC	United States Code
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
UST	underground storage tank
UWMP	urban water management plan

VdB	vibration decibels
VEN	vehicle enhanced network
VHFHSZ	very high fire hazard severity zone
VMT	vehicle miles traveled
VMT Calculator	City of Los Angeles VMT Calculator Version 1.4
VOC	volatile organic compound
W	watts
Water and Sewer Report	*Buena Vista Water and Sewer Infrastructure Report*
Water Quality Compliance Master Plan	Water Quality Compliance Master Plan for Urban Runoff
WBR	waste-by-rail
WDR	waste discharge requirement
WEAP	worker environmental awareness program
Wh	watt-hours
Wildfire Evaluation	Wildfire Hazard and Evacuation Evaluation Technical Memorandum
WRD	water replenishment district
WSA	Water Supply Assessment
WSAP	Water Supply Allocation Plan
WSDM Plan	Water Surplus and Drought Management Plan
WSV	water supply verification
ZEV	zero-emission vehicle
ZIMAS	Zone Information and Map Access System
ZNE	zero net energy