

# Chapter 12

## Acronyms and Abbreviations

Acronym/Abbreviation	Definition
°F	degrees Fahrenheit
µg/l	micrograms per liter
µg/m <sup>3</sup>	micrograms per cubic meter
µm	microns
2020 Plan	San Pedro 2020 Plan
AAPA	American Association of Port Authorities
AAQS	ambient air quality standard
AB	Assembly Bill
AB 1327	California Solid Waste Reuse and Recycling Access Act of 1991
AC	asphalt concrete
ACGs	allisions, collisions, and groundings
ACM	asbestos containing materials
ACSE	American Society of Civil Engineers
ACTA	Alameda Corridor Transportation Authority
ADT	average daily traffic
AFL	American Federation of Labor
afy	acre-feet per year
Alternative 1	No-Project
Alternative 2	No Federal Action
Alternative 3	Reduced Project: Improve Berths 217–220 Only
AMP	alternative maritime power
AMSEC	Area Maritime Security Evacuation Committee
AMSL	above mean sea level
APE	Area of Potential Effect
APL	American President Lines
AQMP	Air Quality Management Plan
ARSSS	Anchorage Road Soil Storage Site
ASL	above sea level
AST	above-ground storage tanks
ATCM	Air Toxic Control Measure
ATSAC	Automated Traffic Surveillance and Control
ATSC	Adaptive Traffic Control System
AVR	average vehicle ridership

<b>Acronym/Abbreviation</b>	<b>Definition</b>
BACTs	Best Available Control Technologies
Baseline Transportation Study	Draft Port of Los Angeles Baseline Transportation Study
Basin Plan	Water Quality Control Plan for the Los Angeles River Basin (Region 4)
bbf	barrel
BFI	Browning Ferris Industries
bgs	below ground surface
BLM	U.S. Department of the Interior, Bureau of Land Management
BMPs	Best Management Practices
BNSF	Burlington Northern-Santa Fe Railway
BOD	biological oxygen demand
BOS	Bureau of Sanitation
BP	before present
BSFC	brake-specific fuel consumption
BTH	Business, Transportation, and Housing Agency
Buffer Area	Harry Bridges Buffer Area
CAA	Clean Air Act
CAAP	Clean Air Action Plan
CAAP Update	2010 San Pedro Bay Ports Clean Air Action Plan
CAAQS	California Ambient Air Quality Standards
Cal OSHA	California Division of Occupational Safety and Health
Cal-ARP	California Accidental Release Prevention Program
CalEPA	California Environmental Protection Agency
Calship	California Shipbuilding Company
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBC	California Building Code
CBP	Customs and Border Protection
CCA	California Coastal Act
CCAA	California Clean Air Act
CCAR	California Climate Action Registry
CCC	California Coastal Commission
CCPS	Center for Chemical Process Safety
CCR	California Code of Regulations
CCT	California Coastal Trail
Cd	cadmium
CDF	confined disposal facility
CDFW	California Department of Fish and Wildlife
CDIP	Coastal Data Information Program
CDMG	California Division of Mines and Geology
CDP	Coastal Development Permit
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act

<b>Acronym/Abbreviation</b>	<b>Definition</b>
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CGS	California Geological Survey
CH <sub>4</sub>	methane
CHC	Cultural Heritage Commission
CHE	cargo handling equipment
CHL	California Historic Landmarks
CHRIS	California Historical Resources Information System
CIMWB	California Integrated Management Waste Board
CiSWMPP	City of Los Angeles Solid Waste Management Policy Plan
City	City of Los Angeles
CIWMB	California Integrated Waste Management Board
CLE	Contingency Level Earthquake
CLIA	Cruise Line International Association Inc.
CLSC	California State Lands Commission
CMA	Critical Movement Analysis
CMP	Congestion Management Plan
CMP	Clean Marinas Program
CNDDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
Coastal Act	California Coastal Act of 1976
CO-CAT	Coastal and Ocean Working Group of the California Climate Action Team
COI	City of Industry
Committee	Los Angeles/Long Beach Harbor Safety Committee
COTP	Captain of the Port
CP	Community Plan
CPA	Community Plan Area
CPUC	California Public Utilities Commission
Cr	chromium oxide
CRA	Community Redevelopment Agency
CRA/LA	Community Redevelopment Agency of the City of Los Angeles
Crescent	Crescent Warehouse Company, Ltd.
CRHR	California Register of Historical Resources
CSFM	California State Fire Marshall
CSLC	California State Lands Commission
CSTF	Contaminated Sediments Task Force
CTP	Clean Trucks Program
CTR	California Toxics Rule

<b>Acronym/Abbreviation</b>	<b>Definition</b>
CU	copper
CWA	Clean Water Act
CWC	California Water Code
cy	cubic yards
CZMA	Coastal Zone Management Act
D/C	Demand to capacity
d/D	depth/Diameter
dB	decibel
dB <sub>A</sub>	A-Weighted Sound Level
dB <sub>RMS</sub>	Decibels Root Mean Square
DDT	dichlorodiphenyltrichloroethane
DEHP	di(2-ethylhexyl)phthalate
DFG	Department of Fish and Game
DO	dissolved oxygen
DOC	diesel oxidation catalysts
DoD	Department of Defense
DOGGR	Division of Oil, Gas, and Geothermal Resources
DPM	diesel particulate matter
DPR	California Department of Parks and Recreation
DS	Dip Slip
DTSC	Department of Toxic Substances Control
DWP	Department of Water and Power
DWT	deadweight tonnage
E/A	Environmental Assessment
ECA	Emission Control Area
EEZ	Exclusive Economic Zone
EFH	Essential Fish Habitat
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EJ	Environmental Justice
ELA	East Los Angeles Yard
EMS	environmental management system
EMT	emergency medical technician
EPA	U.S. Environmental Protection Agency
EPD	Emergency Preparedness Department
EPP	Environmentally Preferable Purchasing
ERED	Environmental Residue Effects Database
ERL	Effects Range Low
ERM	Effects Range Median
ERNS	Emergency Response Notification System
ESA	Endangered Species Act
ESCP	Erosion and Sediment Control Plan
ESD	Emergency Shutdown

<b>Acronym/Abbreviation</b>	<b>Definition</b>
ESI	Environmental Ship Index
FARS	Fatality Analysis Reporting System
FDA	U.S. Food and Drug Administration
FEIS/FEIR	Final Environmental Impact Statement/ Environmental Impact Report
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Map
FMCSA	Federal Motor Carrier Safety Administration
FMP	Fishery Management Plan
fps	feet per second
FTA	Federal Transit Authority
g	acceleration due to gravity
g/0.1 m <sup>2</sup>	grams per 0.1 square meter
g/bhp-hr	gram/brake horsepower-hour
g/hp-hr	gram per horsepower-hour
Gas Company	Southern California Gas Company
GCASP	General Construction Activity Storm Water Permit
GHGs	greenhouse gases
GIASP	General Industrial Activities Stormwater Permit
GMAP	Goods Movement Action Plan
GMC	Growth Management Chapter
GPA	General Plan Amendment
gpd	gallons per day
gpm	gallons per minute
gsf	gross square feet
GVW	gross vehicle weight
GVWR	gross vehicle weight rating
GWP	global warming potential
HABS	Historic American Buildings Survey
HAER	Historic American Engineering Record
Harbor Commission	Los Angeles Board of Harbor Commissioners
HAZWOPER	Hazardous Waste Operations and Emergency Response
HBRA	Health Based Risk Assessment
HC	hydrocarbon
HCM	Highway Capacity Manual
HCMs	Historic-Cultural Monuments
HDPE	high density polyethylene
HDT	Heavy duty truck
HFCP	Hazard Footprint Program
HFCs	hydrofluorocarbons
Hg	mercury
HGS	Harbor Generating Station

<b>Acronym/Abbreviation</b>	<b>Definition</b>
HHMD	Health Hazardous Materials Division
HHW	higher-high water
HID	high-intensity-discharge
HLW	higher-low water
HMA	Hazardous Materials Assessment
HMBP	Hazardous Materials Management Plan
HMD	San Diego County Department of Environmental Health's Hazardous Materials Division
HMI	Hazardous Materials Inventory
HMSD	Hazardous Materials Standards Division
HMTA	Hazardous Materials Transportation Act
HMW	high-molecular-weight
HOV	High-occupancy vehicle
hp	horsepower
HPOZ	Historic Preservation Overlay Zone
HRA	health risk assessment
HRI	Historic Resources Inventory
HSP	Harbor Safety Plan
HSWA	Hazardous and Solid Waste Act
HTS	Hyperion Treatment System
Hz	Hertz
I-	Interstate
I-110	Harbor Freeway
I-215	Moreno Valley Freeway
I-405	San Diego Freeway
I-710	Long Beach Freeway
ICF	ICF International
ICS	Incident Command System
ICTF	Intermodal Container Transfer Facility
ICU	Intersection Capacity Utilization
IDA	International Dark-Sky Association
IES	Illuminating Engineering Society
IESNA	Illuminating Engineering Society of North America
ILA	International Longshoremen's Association
ILWU	International Longshore and Warehouse Union
IMO	International Maritime Organization
IMPLAN	IMpact analysis for PLANning
Indies	Indies Cargo Terminal
IPCC	Intergovernmental Panel on Climate Change
IRP	Integrated Resource Plan
IRWMP	Integrated Regional Water Management Plan
IS	Initial Study
ISPS	International Ship and Port Facility Security

<b>Acronym/Abbreviation</b>	<b>Definition</b>
ITB	Integrated Tugboat Barge
IWG	Interagency Working Group
kBtu	1,000 British thermal units
kHZ	kilohertz
KOPs	Key Observation Points
KSF	1,000 square feet
kts	knots
kV	kilovolt
kW	kilowatt
kWh	kilowatt hours
LA Green Code	Green Building Standards Code
LA&I	Los Angeles and Independence Railroad
LA&SP	Los Angeles & San Pedro Railroad
LA/LB Harbor	Los Angeles and Long Beach Harbor
LABC	Los Angeles Building Code
LACD	Los Angeles Customs District
LACDPW	Los Angeles County Department of Public Works
LACFD	Los Angeles County Fire Department
LACMTA	Los Angeles County Metropolitan Transportation Authority
LACSD	Los Angeles County Sanitation District
LADOT	Los Angeles Department of Transportation
LADWP	Los Angeles Department of Water and Power
L <sub>AF</sub>	Sound level with “A” Frequency weighting and Fast Time weighting
LAFC	Los Angeles Municipal Fire Code
LAFD	City of Los Angeles Fire Department
LAHD	Los Angeles Harbor Department
LALB	Los Angeles and Long Beach Harbors
LA-LB	Los Angeles-Long Beach
LAMC	Los Angeles Municipal Code
LAMTA	Los Angeles Metropolitan Transit Association
LAPD	Los Angeles Police Department
LATC	Los Angeles Transportation Center
LAX	Los Angeles International Airport
LAXT	Los Angeles Export Terminal
LBP	lead based paint
lbs	pounds
lbs/day	pounds per day
LCP	Local Coastal Program
L <sub>dn</sub>	Day/Night Noise Level
LEED™	Leadership in Energy and Environmental Design
LEPC	Local Emergency Planning Committee
L <sub>eq</sub>	Equivalent Noise Level
LFL	lower flammability limit

<b>Acronym/Abbreviation</b>	<b>Definition</b>
LHW	lower-high water
LID	Low Impact Development
LLW	lower-low water
LNG	Liquefied natural gas
LOS	level of service
LRT	Light Rail Transit
LST	Localized significance threshold
LUP	Land Use Plan
M	magnitude
M.D.	mid-day
m/s	meters per second
Marine Exchange	Marine Exchange of Southern California
MARPOL	International Convention for the Prevention of Pollution from Ships
MARSEC	Maritime Security
MATES	Multiple Air Toxics Exposure Study
MATES II	Multiple Air Toxics Exposure Study II
MATES III	Multiple Air Toxics Exposure Study III
MAX	Municipal Area Express
MBTA	Migratory Bird Treaty Act
mBtu	million Btu
mby	million barrels per year
MCE	maximum credible earthquake
MCLs	Maximum Contaminant Levels
MCMIS	Motor Carrier Management Information System
mg/l	milligrams per liter
mgd	million gallons per day
MHHW	mean higher high water
Mike's	Mike's Main Channel
MLLW	mean lower low water
MMcf	million cubic feet
mmHG	millimeter of mercury
MMPA	Marine Mammal Protection Act
MMRP	Mitigation Monitoring and Reporting Program
MMT	million metric tons
MND	Mitigated Negative Declaration
MOA	Memorandum of Agreement
MOE	measure of effectiveness
MOTEMS	Marine Oil Terminal Engineering and Maintenance Standards
MOU	Memorandum of Understanding
MPA	Marine Protected Area
MPE	maximum probable earthquake
MPRSA	Marine Protection, Research and Sanctuaries Act
MRI	Midwest Research Institute



<b>Acronym/Abbreviation</b>	<b>Definition</b>
MRZ	Mineral Resource Zone
MS4	municipal separate storm sewer system
MSA	Magnuson-Stevens Fishery Conservation and Management Act
MSDS	Material Safety Data Sheet
MSL	mean sea level
MTF	Market Trading Forum
MTSA	Maritime Transportation Security Act
MW	megawatts
MWD	Metropolitan Water District of Southern California
MWh	megawatt hours
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NAHC	Native American Heritage Commission
National Register	National Register of Historic Places
NC	New Construction
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NFPA	National Fire Protection Association
ng/l	nanograms per liter
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NIMS	National Incident Management System
nm	nautical miles
NMFS	National Marine Fisheries Service
NMHC	nonmethane hydrocarbon
NNI	No Net Increase
NO <sub>2</sub>	nitrogen dioxide
NOAA	National Oceanographic and Atmospheric Administration
NOD	Notice of Determination
NOI	Notice of Intent
NOP	Notice of Preparation
NOS	National Ocean Service
NO <sub>x</sub>	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRC	National Response Center
NRHP	National Register of Historic Places
NTSB	National Transportation Safety Board
NTU	Nephelometric Turbidity Unit
NWS	National Weather Service
NYK Line	Nippon Yusen Kabushiki Kaisha
O&M	Operations and Maintenance
O <sub>3</sub>	ozone

<b>Acronym/Abbreviation</b>	<b>Definition</b>
OCR	Optical Character Recognition
ODMDS	Ocean Dredged Material Disposal Site
OEHHA	Office of Environmental Health Hazard Assessment
OFI	Operations, Facilities, and Infrastructure
OGV	ocean going vessel
OHP	Office of Historic Preservation
OHWM	ordinary high water mark
OLE	Operational Level Earthquake
OPR	Office of Planning and Research
OPS	Office of Pipeline Safety
OSCP	Oil Spill Contingency Plan
OSHA	Occupational Safety and Health and Administration
OSPR	Office of Spill Prevention and Response
PA 3	Planning Area 3, the West Turning Basin
PA 4	Planning Area 4, the West Basin
PA 5	Planning Area 5, The Wilmington District
PAH	polycyclic aromatic hydrocarbon
PAs	planning areas
Pb	lead
PBDE	polybrominated diephenyl ether
pc/mi/ln	passenger car per mile per lane
PCAC	Port Community Advisory Committee
PCBs	polychlorinated biphenyls
PCE	Passenger Car Equivalent
PCH	Pacific Coast Highway
PCP	pentachlorophenol
PE	Pacific Electric
PERP	Portable Equipment Registration Program
PFCs	perfluorocarbons
pH	hydrogen ion concentration
PHAVD	peak-hour average vehicle delay
PHI	Points of Historical Interests
PHIMF	Puente Hills Intermodal Facility
PHL	Pacific Harbor Line, Inc.
PIANC	Port International Navigation Association
PIER	Public Interest Energy Research
PL	Public Law
PM	particulate matter
PM10	particulate matter smaller than or equal to 10 microns in diameter
PM2.5	particulate matter smaller than or equal to 2.5 microns in diameter
PMA	Pacific Maritime Association
PMP	Port Master Plan
Port	Port of Los Angeles

<b>Acronym/Abbreviation</b>	<b>Definition</b>
Port Complex	Ports of Los Angeles and Long Beach
Port Plan	Port of Los Angeles Plan
Port Police	Los Angeles Harbor Department Police
PORTS	Physical Oceanographic Real Time System
Power IRP	Power Integrated Resources Plan
ppb	parts per billion
ppm	parts per million
ppmv	parts per million by volume
ppt	parts per thousand
PRC	Public Resources Code
PRGs	Preliminary Remediation Goals
proposed Project	Berths 212–224 (YTI) Container Terminal Improvements Project
psi	pounds per square inch
PSR	Project Study Report
psu	practical salinity unit
PUC	Public Utilities Commission
PVC	polyvinyl chloride
[Q]M2	Qualified Light Industrial
[Q]M3	Qualified Heavy Industrial
QSD	Qualified SWPPP Developer
RAP	Remedial Action Plan
RCNM	Roadway Construction Noise Model
RCP	Regional Comprehensive Plan
RCPG	Regional Comprehensive Plan and Guide
RCRA	Resource Conservation and Recovery Act
RENEW LA Plan	Recovering Energy, Natural Resources, and Economic Benefit from Waste for Los Angeles Plan
RFP	Request for Proposals
RHA	Rivers and Harbors Act
RMGs	rail-mount gantry cranes
RMP	Risk Management Plan
RMPP	Risk Management and Prevention Program
RMS	root mean square
RNA	regulated navigation area
ROI	region of influence
ROW	Right-of-Way
RP	revocable permit
RRP	Release Response Plan
RTGs	rubber tire gantry cranes
RTP	Regional Transportation Plan
RTTM	Real Time Transient Model
RWQCB	Regional Water Quality Control Board
San Pedro Bay Port Complex	Ports of Los Angeles and Long Beach

<b>Acronym/Abbreviation</b>	<b>Definition</b>
SAP	Sampling and Analysis Plan
SAR	Service Advisory Request
SB	Senate Bill
SC	standard condition
SCAB	South Coast Air Basin
SCADA	Supervisory Control and Data Acquisition System
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCEMP	Southern California Eelgrass Mitigation Policy
SCGC	Southern California Gas Company
SCIG	Southern California International Gateway
SCMI	Southern California Marine Institute
SCS	Sustainable Communities Strategy
SEA	Significant Ecological Area
Secretary's Standards	Secretary of the Interior's Standards for Rehabilitation
SEIS/EIR	Supplemental EIS/EIR
SEMS	Standardized Emergency Management System
SEPU	Special Events Permit Unit
SERC	State Emergency Response Commission
SERRF	Southeast Resource Recovery Facility
sf	square feet
SF <sub>6</sub>	sulfur hexafluoride
SFHA	Special Flood Hazard Area
SFM	State Fire Marshal
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SLC	State Lands Commission
SLF	Sanitary Landfill
SLR	sea level-rise
SMARA	Surface Mining and Reclamation Act of 1975
SO <sub>2</sub>	sulfur dioxide
SOC	Statement of Overriding Considerations
SO <sub>x</sub>	sulfur oxides
SP Slip	Southern Pacific Slip
SPBP CAAP	San Pedro Bay Ports Clean Air Action Plan
SPCC	Spill Prevention, Control, and Countermeasure
SPPH	Separate Phase Petroleum Hydrocarbons
SPRR	Southern Pacific Railway
SPWP	San Pedro Waterfront Plan
SQMP	stormwater quality management program
SQO	Sediment Quality Objective
SR	State Route

<b>Acronym/Abbreviation</b>	<b>Definition</b>
SR-103/SR-47	Terminal Island Freeway
SR-60	Pomona Freeway
SR-91	Artesia Freeway
SRRE	Source Reduction and Recycling Element
SS	Strike Slip
SSA	Stevedoring Services of America
State CEQA Guidelines	Guidelines for Implementation of the California Environmental Quality Act of 1970
STIP	State Transportation Improvement Program
STLC	Soluble Threshold Limit Concentrations
SUSMP	Standard Urban Stormwater Mitigation Plan
SVOCs	semi-volatile organic compounds
SWIRP	Solid Waste Integrated Resources Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TAP	Technology Advancement Program
TATTN	Tongva Ancestral Territorial Tribal Nation
TBT	tributyltin
TDM	Transportation Demand Management
TEUs	twenty-foot equivalent units
TIA	Traffic Impact Analysis
TICTF	Terminal Island Container Transfer Facility
TIFA	Trucks Involved in Fatal Accidents
TIOGA	Tioga Group, Inc.
TITP	Terminal Island Treatment Plant
TIWRP	Terminal Island Water Reclamation Plant
TMDL	Total Maximum Daily Load
TMP	Transportation master plan
TNM <sup>®</sup>	Traffic Noise Model
TOD	transit oriented development
TPH	Total Petroleum Hydrocarbons
Trapac	Trans Pacific
TRU	Transport Refrigeration Unit
TSA	Transportation Security Administration
TSS	Traffic Separation Scheme
TSS	total suspended solids
TTI	Total Terminal International
TWIC	Transportation Worker Identification Credential
UBC	Uniform Building Code
UFPs	ultrafine particles
ULSD	ultra-low sulfur diesel
UP	Union Pacific Railroad

<b>Acronym/Abbreviation</b>	<b>Definition</b>
USACE	U.S. Army Corps of Engineers
USC	U.S. Government Code
USCG	U.S. Coast Guard
USDOT	U.S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
UWMP	Urban Water Management Plan
V/C	volume to capacity
VDEC	Verified Diesel Emissions Controls
VGP	Vessel General Permit
VHF-FM	very high frequency-frequency modulation
VM	visual modification
VOCs	volatile organic compounds
VOP	Vessel Operating Procedures
VP	viewpoint
vpd	vehicles per day
VSRRP	Vessel Speed Reduction Program
VTSS	Vessel Traffic Service
WATCH Manual	Work Area Traffic Control Handbook
Water IRP	Water Integrated Resources Plan
WDRs	Waste Discharge Requirements
WEFA	Wharton Econometric Forecasting Associates
WPA	Works Progress Administration
WPD	Watershed Protection Division
WRAP	Water Resources Action Plan
WRI	World Resources Institute
WSA	water supply assessment
YTI	Yusen Terminals Inc.
ZIMAS	Zoning Information and Map Access System
Zn	zinc