

# Acronyms and Abbreviations

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°F	degrees Fahrenheit
µg/kg dw	micrograms per kilogram dry weight material
µg/L	micrograms per liter
3-D	three-dimensional
72 COLREGS	Inland Navigation Rules Act of 1980 and International Regulations for Preventing Collisions at Sea
AB	Assembly Bill
ABAG	Association of Bay Area Governments
AC Transit	Alameda-Contra Costa Transit District
AC	alternating current
ACHP	Advisory Council on Historic Preservation
ACS	American Cancer Society
AEP	Association of Environmental Professionals
AIS	air-insulated switchgear
amsl	above mean sea level
APE	Area of Potential Effects
APM	Applicant-Proposed Measure
ASTM	American Society for Testing and Materials
ATCM	Airborne Toxic Control Measure
B&V	Black and Veatch
BAAH	breaker and a half
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
Basin Plan	Water Quality Control Plan for the San Francisco Bay Basin
BCDC	San Francisco Bay Conservation and Development Commission
bgs	below ground surface
BLM	U.S. Bureau of Land Management
BMP	best management practice
BP	Before Present
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
Cal BP	calibrated years Before Present
CAL FIRE	California Department of Forestry and Fire Protection
Cal/EPA	California Environmental Protection Agency

Cal/OSHA	California Division of Occupational Safety and Health
CalEEMod	California Emissions Estimator Model
California State Parks	California Department of Parks and Recreation
Caltrans	California Department of Transportation
CAP	Clean Air Plan
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CCVT	capacitance coupled voltage transformer
CD3	Contaminant Data Display and Download
CDFG	California Department of Fish and Game
CDHS	California Department of Health Services
CDMG	California Division of Mines and Geology
CEMA	California Emergency Management Agency
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFGC	California Fish and Game Code
CFR	Code of Federal Regulations
CGS	California Geological Survey
CH <sub>4</sub>	methane
CHL	California Historical Landmark
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
CMP	Congestion Management Program
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
CPCN	Certification of Public Convenience and Necessity
CPT	cone penetration test
CPUC	California Public Utilities Commission
CRHR	California Register of Historic Resources
CSA	Council on Scientific Affairs
CTR	California Toxics Rule

CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CWA	Clean Water Act
cy	cubic yards
CZMA	Coastal Zone Management Act
dba	A-weighted decibels
DC	direct current
DMMO	Dredge Material Management Office
DOE	U.S. Department of Energy
DPS	Distinct Population Segment
DPW	Department of Public Works
DTSC	California Department of Toxic Substance Control
EDR	Environmental Data Resources Inc.
EFH	Essential Fish Habitat
EIR	Environmental Impact Report
ELF	extremely low frequency
EMF	electric and magnetic fields
ERL	Effects of Range Low
ERM	Effects Range Mean
ESA	federal Endangered Species Act
ESU	Evolutionary Significant Unit
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Maps
FR	Federal Register
FRAP	Fire and Resource Assessment Program
FTB	flowable thermal backfill
FTC	flowable thermal concrete
GANDA	Garcia and Associates
GCC	Grid Control Center
GHG	greenhouse gas
GIS	Gas-insulated Switchgear
GIS	Geographic Information System
GO	general order
GWP	global warming potential

H&S	health and safety
H <sub>2</sub> S	hydrogen sulfide
HABS	Historic American Building Survey
HAER	Historic American Engineering Record
HCP	Habitat Conservation Plan
HDD	horizontal directional drilling
HDPE	high-density polyethylene
HFC	hydrofluorocarbons
HPFF	high pressure fluid filled
HPGF	high pressure gas filled
HSAA	Hazardous Substance Account Act
HSC	Health and Safety Code
HVAC	heating, ventilation, and air conditioning
HVDC	high voltage direct current
HWCL	Hazardous Waste Control Law
I-280	Interstate 280
I.L.	insertion loss
IARC	International Agency for Research on Cancer
ICPC	International Cable Protection Committee
IEEE	Institute of Electrical and Electronics Engineers
IEEE PES	Institute of Electrical and Electronics Engineers Power and Energy Society
IHA	Incidental Harassment Authorization Permit
IOZ	Infill Opportunity Zone
ISO	Independent System Operator
JSA	Jones & Stokes Associates
kcmil	thousand circular mils
KOP	key observation point
kV/m	kilovolts per meter
L <sub>eq</sub>	sound pressure level
LOS	level of service
LRP	legally responsible person
LTC	Load-Tap Change
LTMS	Long-Term Management Strategy
M <sub>b</sub>	body wave
MBTA	Migratory Bird Treaty Act
MCC	motor control center

mG	milligauss
mg/kg dw	milligrams per kilogram dry weight material
MGD	million gallons per day
MGP	Manufactured Gas Plant
MLLW	mean lower low water
mm	millimeter
mm <sup>2</sup>	square millimeter
MMPA	Marine Mammal Protection Act
MMT/Year	million metric tons per year
MPAC	Modular Protection, Automation and Control
MRZ	Mineral Resource Zone
MTC	Metropolitan Transportation Commission
MVA	megavolt amperes
MVAR	megavolt ampere reactive
Mw	moment magnitude
MW	megawatts
N.A.	not available
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NERC	North American Electric Reliability Corporation
NFIP	National Flood Insurance Program
NGA	Next Generation Attenuation
NHPA	National Historic Preservation Act
NIEHS	National Institute of Environmental Health Sciences
NMFS	National Marine Fisheries Service
NO <sub>2</sub>	nitrogen dioxide
NOA	naturally occurring asbestos
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NO <sub>x</sub>	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRA	Natural Resource Agency
NRCS	Natural Resource Conservation Service

NRHP	National Register of Historic Places
NTR	National Toxics Rule
NWIC	Northwest Information Center
NWP	Nationwide Permit
O&M	operation and maintenance
OHP	State Office of Historic Preservation
OPA	Oil Pollution Act of 1990
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
OSPR	CDFG Office of Spill Prevention and Response
PAH	polycyclic aromatic hydrocarbon
PBDE	polybrominated diphenyl ether
PCB	polychlorinated biphenyl
PDR	production/distribution/repair
PFC	perfluorocarbon
PG&E	Pacific Gas and Electric Company
PGA	peak ground acceleration
PM	particulate matter
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than 10 microns
PM <sub>2.5</sub>	particulate matter with an aerodynamic diameter less than 2.5 microns
PRC	Public Resources Code
PSD	Prevention of Significant Deterioration
PT	potential transformers
PVC	polyvinyl chloride
PWSA	Ports and Waterways Safety Act
RAPID	Research and Public Information Dissemination
RCRA	Resource Conservation and Recovery Act of 1976
RH-DTR	Rincon Hill Downtown Residential Mixed Use District
RMP	Regional Monitoring Program
RMP	Risk Management Plan
RNA	Regulated Navigation Areas
ROW	right-of-way
RWQCB	Regional Water Quality Control Board, San Francisco Bay Region
S&HC	Streets and Highways Code
SamTrans	San Mateo County Transit District
SB	Senate Bill

SCADA	supervisory control and data acquisition
SCAQMD	South Coast Air Quality Management District
SCC	State Coastal Conservancy
SF	San Francisco
SF <sub>6</sub>	sulfur hexafluoride
SFBAAB	San Francisco Bay Area Basin
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SFCTA	San Francisco County Transportation Authority
SFDPH	San Francisco Department of Public Health
SFEI	San Francisco Estuary Institute
SFFD	San Francisco Fire Department
SFMTA	San Francisco Municipal Transportation Agency
SFPD	San Francisco Planning Department
SFPUC	San Francisco Public Utilities Commission
SFUSD	San Francisco Unified School District
SFWSAP	San Francisco Waterfront Special Area Plan
SHMA	Seismic Hazards Mapping Act
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SLC	State Lands Commission
SMARA	Surface Mining and Reclamation Act of 1975
SMP	Site Management Plan
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxide
SPCC	Spill Prevention, Control, and Countermeasure
Special Area Plan	S.F. Waterfront Special Area Plan
SSC	species of special concern
SVP	Society of Vertebrate Paleontology
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TBC	Trans Bay Cable
TCE	Temporary Construction Easement
TMDL	total maximum daily load
TMP	Traffic Management Plan
U.S.C.	United States Code
UCMP	University of California Berkeley Museum of Paleontology

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UG	underground
URS	URS Corporation
USA	Underground Service Alert
USACE	U.S. Army Corps of Engineers
USCG	U.S. Coast Guard
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
V/m	volts per meter
VOC	volatile organic compound
vpd	vehicles per day
VRP	visibility reducing particles
VTS	Vessel Traffic Service
WestCAT	Western Contra Costa Transit Authority
WETA	Water Emergency Transportation Authority
WHO	World Health Organization
WPCP	Water Pollution Control Plant
WSS	Web Soil Survey
XLPE	cross-linked polyethylene