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## Acronyms

Acroynm	Definition
°F	Fahrenheit
µg/L	micrograms per liter
µg/m <sup>3</sup>	micrograms per cubic meter
µS/cm	microsiemens per centimeter
µmhos/cm	micromhos per centimeter
1D	one-dimensional
2017 Draft EIR/EIS	Public Draft EIR/EIS for the Project in 2017
AAQA	Ambient Air Quality Analysis
AASHTO	Association of State Highway and Transportation Officials
ACID	Anderson-Cottonwood Irrigation District
ACM	asbestos-containing materials
ADIs	areas of potential direct impacts
ADL	aerially deposited lead
AF	acre-feet
AFY	acre-feet per year
AFSP	Anadromous Fish Screen Program
AICP	American Institute of Certified Planners
AIPCP	Aquatic Invasive Plant Control Program
AP-42	EPA's AP-42 <i>Compilation of Air Pollutant Emission Factors</i>
APN	Assessor's Parcel Number
AST	aboveground storage tank
ATLs	Advisory Tissue Levels
Authority	Sites Project Authority
Bay-Delta Plan	Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary
BGEPA	Bald and Golden Eagle Protection Act
bgs	below ground surface
BiOp	biological opinion
BMOs	Basin Management Objectives
BMPs	best management practices
BRWL	blue-rich white light

<b>Acroynm</b>	<b>Definition</b>
C&HRR	Colusa & Hamilton Railroad
C&LRR	Colusa and Lake Railroad
C.F.R.	Code of Federal Regulations
CAAQS	California ambient air quality standards
CAL FIRE	California Department of Forestry and Fire Protection
Cal. Code Regs	California Code of Regulations
CalEEMod	California Emissions Estimator Model
CalGEM	California Geologic Energy Management Division
CalGreen	California Green Building Standards Code
CalISO	California Independent System Operator
CalOES	Governor's Office of Emergency Services
Cal-OSHA	California-Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBD	Colusa Basin Drain
CCAPCD	Colusa County Air Pollution Control District
CCHAB	California Cyanobacteria and Harmful Algal Bloom
CCR	California Code of Regulations
CCWD	Contra Costa Water District
CDFW	California Department of Fish and Wildlife
CDSM	cement deep soil mixing
CEC	California Energy Commission
Central Valley Basin Plan	Water Quality Control Plan for the Sacramento and San Joaquin River Basins
Central Valley RWQCB	Central Valley Regional Water Quality Control Board
CEP	Certified Environmental Planner
CEQ	Council on Environmental Quality's
CEQA	California Environmental Quality Act
CERS	California Environmental Reporting System
CESA	California Endangered Species Act
CFNR	California Northern Railroad
cfs	cubic feet per second

<b>Acronym</b>	<b>Definition</b>
CGA	Colusa Groundwater Authority
CGS	California Geological Survey
CH <sub>4</sub>	methane
CHP	California Highway Patrol
CHRIS	California Historical Resources Information Center
CMIP5	Coupled Model Intercomparison Project 5
CNDDB	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>2e</sub>	carbon dioxide equivalent
CPT	cone penetration test
CPUC	California Public Utilities Commission
CPUE	catch per unit effort
CRHR	California Register of Historical Resources
CRPR	California Rare Plant Rank
CRSBZ	Coast Ranges – Sierran Block Boundary Zone
CT	central tendency
CT 2035	2035 Central Tendency
CTR	California Toxics Rule
CUPA	Certified Unified Program Agencies
CVFPB	Central Valley Flood Protection Board
CVHM	Central Valley Hydrologic Model
CVJV	Central Valley Joint Venture
CVP	Central Valley Project
CVPIA	Central Valley Project Improvement Act
CWA	Clean Water Act
CWC	California Water Commission
d-1641	Decision 1641
dB	decibels
dBA	A-weighted decibel

<b>Acronym</b>	<b>Definition</b>
DBPs	disinfection byproducts
DBW	Division of Boating and Waterways
DCC	Delta Cross Channel
DCP	Delta Conveyance Project
DDT	dichlorodiphenyltrichloroethane
DEI	diversity, equity, and inclusion
Delta	Sacramento–San Joaquin River Delta
DO	dissolved oxygen
DOC	California Department of Conservation
dph	days post hatch
DPM	diesel particulate matter
DPR	California Department of Parks and Recreation
DPS	distinct population segment
DRMS	Delta Risk Management Strategy
DSOD	California Department of Water Resources, Division of Safety of Dams
DWR	California Department of Water Resources
EC	electrical conductivity
EDWPA	El Dorado Water & Power Authority
EFH	essential fish habitat
EID	El Dorado Irrigation District
EIR/EIS	Environmental Impact Report/Environmental Impact Statement
ELT	early long-term
EMF	Electric Magnetic Field
EMFAC	Emissions Factors
EMTs	emergency medical technicians
EO	Executive Order
ERP	Ecosystem Restoration Program
ERS	emergency release structures
ESA	Endangered Species Act
ESU	evolutionarily significant unit
ETo	evapotranspiration
FCWCD	Flood Control and Water Conservation District

<b>Acronym</b>	<b>Definition</b>
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHSZs	fire hazard severity zones
Final EIR/EIS	Final Environmental Impact Report/Environmental Impact Statement
FL	fork length
FMMP	Farmland Mapping and Monitoring Program
FMUs	future mitigation units
FPPA	Farmland Protection Policy Act
ft/s	feet per second
FR	Federal Register
FRSA	Feather River Service Area
g	acceleration speed of gravity
gallons/day	gallons per day
GCAPCD	Glenn County Air Pollution Control District
GCID	Glenn-Colusa Irrigation District
GHG	greenhouse gas
GIS	geographic information system
GPS	Global Positioning System
GSPs	Groundwater Sustainability Plans
Guthion	azinphos-methyl
GWh	gigawatt-hours
GWMPs	Groundwater Management Plans
GWP	global warming potential
H:V	horizontal: vertical
HABs	harmful algal blooms
HAPC	Habitat Area of Particular Concern
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HEC-SSP	Hydraulic Engineering Center's Statistical Software Package
HFC	high-flow channel
HFCs	hydrofluorocarbons
HMMPs	Hazardous Materials Management Plans



<b>Acronym</b>	<b>Definition</b>
HOR	Head of Old River
HOS	hypolimnetic oxygenation system
hp	horsepower
HRA	health risk assessment
HSC	Health and Safety Code
HSC	habitat suitability criteria
I-	Interstate
I/O	Inlet/Outlet
I/O Works	Inlet/Outlet Works
I:E	inflow to exports
I-5	Interstate 5
IHN	Infectious Hematopoietic Necrosis
in/sec	inches per second
IPaC	Information, Planning, and Consultation
IPCC	Intergovernmental Panel on Climate Change
ISWEBE	Inland Surface Waters, Enclosed Bays, and Estuaries
ITAs	Indian Trust Assets
ITP	Incidental Take Permit
kg	kilogram
KLOG	Knights Landing Outfall Gates
kV	kilovolt
kVA	kilovolt-amperes
kW	kilowatts
LBP	lead-based paint
LCPSIM	Least Cost Planning Simulation
LESA	Land Evaluation and Site Assessment
LFC	low-flow channel
LMP	Land Management Plan
LOS	level of service
LRA	Local Responsibility Area
LRFD	Load and Resistance Factor Design
M&I	municipal and industrial

<b>Acronym</b>	<b>Definition</b>
MAF	million acre-feet
MAR	Managed Aquifer Recharge
MCLs	maximum contaminant levels
MCRP	Master of Community and Regional Planning
METS	Medical Transportation Service
MFPD	Maxwell Fire Protection District
mg	milligrams
mg/L	milligrams per liter
MGD	million gallons per day
mm	millimeters
MOA	Memorandum of Agreement
MOU	memorandum of understanding
MP	Mile Post
mph	miles per hour
MPO	Metropolitan Planning Organizations
MRR	minimum release requirement
MRZs	Mineral Resource Zones
msl	mean sea level
MT	metric tons
MUTCD	Manual for Uniform Traffic Control Devices
MVA	megavolt amperes
MW	megawatt
MWI	Maxwell Water Intertie
N <sub>2</sub> O	nitrous oxide
NAA	No Action Alternative
NAAQS	national ambient air quality standards
NCCP	Natural Community Conservation Plan
NEPA	National Environmental Policy Act
NFH	National Fish Hatchery
ng/l	nanogram/liter
NGOs	nongovernmental organizations
NHPA	National Historic Preservation Act

<b>Acronym</b>	<b>Definition</b>
NMFS	National Marine Fisheries Service
NO	nitric oxide
NO <sub>2</sub>	nitrogen dioxide
NOA	naturally occurring asbestos
NOD	Notice of Determination
NODOS	North-of-Delta Offstream Storage
NOI	Notice of Intent
NOP	Notice of Preparation
NO <sub>x</sub>	nitrogen oxides
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NTU	nephelometric turbidity units
NWR	National Wildlife Refuge
NZE	near-zero emission
OBJ-1	Objective 1
OBJ-3	Objective 3
OEHHA	Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OHP	Office of Historic Preservation
OMWEM	Other Municipal Water Economics Model
OPR	Office of Planning and Research
Pb	lead
PCBs	polychlorinated biphenyls
PECs	potential environmental concerns
PFCs	perfluorocarbons
PG&E	Pacific Gas and Electric Company
PGP	pumping generating plant
PM	particulate matter
PM <sub>10</sub>	particulates 10 microns in diameter or less
PM <sub>2.5</sub>	particulates 2.5 microns in diameter or less
PMF	probable maximum flood
POD	Pelagic Organism Decline

<b>Acronym</b>	<b>Definition</b>
POI	point of interconnection
Portfolio	2020 Water Resilience Portfolio
ppm	parts per million
ppt	parts per thousand
PPV	peak particle velocity
PRMMP	paleontological resources monitoring and mitigation plan
Project	Sites Reservoir Project
Proposition 1	Water Quality, Supply, and Infrastructure Improvement Act of 2014
PSPS	Public Safety Power Shutoff
pTms	pre-Tertiary
RBDD	Red Bluff Diversion Dam
RBPP	Red Bluff Pumping Plant
RCP	Representative Concentration Pathway
RCRA	Resource Conservation and Recovery Act
RDEIR/SDEIS	Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement
Reclamation	U.S. Department of the Interior, Bureau of Reclamation
RM	River Mile
RMP	Reservoir Management Plan
RMS	root mean square
ROC ON LTO	Reinitiation of Consultation on the Long-Term Operation of the Central Valley Project and the State Water Project
ROD	Record of Decision
ROGs	reactive organic gases
ROV	remote operated vehicle
RPAs	Reasonable and Prudent Actions
RPS	Renewable Portfolio Standard
RTP	regional transportation plan
RTS	reservoir-triggered seismicity
RV	recreational vehicle
RWQCB	Regional Water Quality Control Board
RWQCB model	Central Valley Regional Water Quality Control Board TMDL model
SALMOD	Salmonid Population Modeling

<b>Acronym</b>	<b>Definition</b>
SB	Senate Bill
SCADA	Supervisory Control and Data Acquisition
SDC	California Department of Transportation Seismic Design Criteria
SEL	sound exposure level
Settlement	Stipulation of Settlement
SF <sub>6</sub>	sulfur hexafluoride
SGMA	Sustainable Groundwater Management Act
SHPO	State Historic Preservation Officer
SIL	significant impact level
SLCPs	short-lived climate pollutants
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO <sub>2</sub>	sulfur dioxide
SOI	Secretary of Interior
SPCCPs	Spill Prevention, Containment, and Countermeasure Plans
SPFC	State Plan of Flood Control
SPRR	Southern Pacific Railroad
SR	State Route
SRA	shaded riverine aquatic
SRBPP	Sacramento River Bank Protection Project
SRFCP	Sacramento River Flood Control Project
SST	Salmonid Scoping Team
SSURGO	Soil Survey Geographic
State Water Board	State Water Resources Control Board
SURF	California Department of Pesticide Regulation's Surface Water Database
SVAB	Sacramento Valley Air Basin
SVP	Society of Vertebrate Paleontology
SWAMP	Surface Water Ambient Monitoring Program
SWAP	Statewide Agricultural Production
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
SWP-ITP	Incidental Take Permit for Long-Term Operation of the SWP in the Sacramento--San Joaquin Delta

<b>Acronym</b>	<b>Definition</b>
SWRCB	State Water Resources Control Board
TACs	toxic air contaminants
TAF	thousand acre-feet
TAF/yr	thousand acre-feet per year
TC	Tehama-Colusa
TCCA	Tehama-Colusa Canal Authority
TC Canal	Tehama-Colusa Canal
TCAPCD	Tehama County Air Pollution Control District
TCD	temperature control device
TDS	total dissolved solids
TL	trophic level
TMDL	Total Maximum Daily Load
TMP	Traffic Management Plan
TOC	total organic carbon
TRAX	Tehama Rural Area Express
TRR	Terminal Regulating Reservoir
U.S.C.	United States Code
UCMP	University of California Museum of Paleontology
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
USRDOM	Upper Sacramento River Daily Operations Model
USTs	underground storage tanks
VHFHSZ	Very High Fire Hazard Severity Zone
VMT	vehicle miles traveled
VP	Value Planning
WA	Wildlife Area
WAPA	Western Area Power Administration
WCG	wildlife crossing species guild
WDL	Water Data Library

<b>Acroynm</b>	<b>Definition</b>
WEAP	Worker Environmental Awareness Program
WIIN Act	Water Infrastructure Improvements for the Nation Act
WNV	West Nile virus
WRLCM	Winter-Run Chinook Salmon Life Cycle Model
WSE	water surface elevation
WSIP	Water Storage Investment Program
WUA	weighted usable area
ww	wet weight
WWD	Westlands Water District
YBHR	Yolo Bypass Habitat Restoration
Yolo Bypass Wildlife Area LMP	Yolo Bypass Wildlife Area Land Management Plan
YSAQMD	Yolo Solano Air Quality Management District
ZE	zero emission
ZEV	zero-emission vehicles