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Appendices

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C	Minimum Instream Flow Requirements (Agreed Flows)
D	Hydrologic, Water Supply, and Fisheries Habitat Modeling
E	Air Quality and Greenhouse Gas Emissions Calculations
F	Special-Status Species Potentially Occurring within the Biological Study Area
G	Cultural Resources Inventory, Evaluation, and Finding of Effect Report
H	Noise Modeling Outputs

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
µg/L	micrograms per liter
1,2,3-TCP	1,2,3-trichloropropane
3CE	Central Coast Community Energy
AAQS	ambient air quality standards
AB	Assembly Bill
ACHP	Advisory Council on Historic Preservation
afy	acre-feet per year
Air Basin	North Central Coast Air Basin
AMBAG	Association of Monterey Bay Area Governments
amsl	above mean sea level
ANSI	American National Standards Institute
APE	area of potential effect
AQMP	air quality management plan
Aromas	Aromas Red Sands aquifer
ASHCP	Anadromous Salmonid Habitat Conservation Plan
ASR	aquifer storage and recovery
Basin Plan	<i>Water Quality Control Plan for the Central Coastal Basin</i>
Beltz	Beltz well system
BenMAP	EPA Benefits Mapping and Analysis Program
BenMAP-CE	BenMAP-Community Edition
bgs	below ground surface
BLM	Bureau of Land Management
BMPs	best management practices
bmsl	below mean sea level
CAAQS	California Ambient Air Quality Standards
CAL FIRE	California Department of Forestry and Fire Protection
Cal/OSHA	California Division of Occupational Safety and Health
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CalGEM	California Geologic Energy Management Division
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CAP	climate action plan
CARB	California Air Resources Board
CARE	California Alternate Rates for Energy
CAS	Climate Action Strategy
CCC	California Coastal Commission
CCE	Community Choice Energy
CCR	California Code of Regulations
CCRWQCB	Central Coast Regional Water Quality Control Board
CDFW	California Department of Fish and Wildlife
CDP	coastal development permit
CEC	California Energy Commission

Acronym/Abbreviation	Definition
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFC	chlorofluorocarbon
CFGF	California Fish and Game Code
CFR	Code of Federal Regulations
cfs	cubic feet per second
CGS	California Geological Survey
CH ₄	methane
CHRIS	California Historical Resources Information System
CIP	Capital Improvement Program
City	City of Santa Cruz
cm	centimeters
CMAQ	Community Multiscale Air Quality model
CMU	concrete masonry unit
CNDDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNPS	California Native Plant Society
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	CO ₂ equivalent
coho	Central California Coast coho salmon
County	County of Santa Cruz
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRLF	California red-legged frog
CRPR	California Rare Plant Rank
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
CWD	Central Water District
CWHR	California Department of Fish and Wildlife's Wildlife Habitat Relationship
CZMA	Coastal Zone Management Act
dB	decibels
dBA	A-weighted decibels
DPM	diesel particulate matter
DPS	Distinct Population Segment
DTSC	Department of Toxic Substances Control
DTSC-SL	DTSC-modified screening level
DWR	Department of Water Resources
EIA	U.S. Energy Information Administration
EIR	Environmental Impact Report
EISA	Energy Independence and Security Act
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-To-Know Act
ESA	federal Endangered Species Act

Acronym/Abbreviation	Definition
ESL	environmental screening level
ESU	Evolutionarily Significant Unit
EV	electric vehicle
FEMA	Federal Emergency Management Agency
FESA	federal Endangered Species Act
FHSZ	fire hazard severity zone
FHWA	Federal Highway Administration
FR	Federal Register
FRAP	Fire and Resource Assessment Program
FTA	Federal Transit Administration
g	percent of gravity
GDE	groundwater-dependent ecosystem
GHG	greenhouse gas
GHWTP	Graham Hill Water Treatment Plant
GHWTPHCP	Graham Hill Water Treatment Plant Habitat Conservation Plan
GIS	geographic information system
gpcd	gallons per person per day
GPS	global positioning system
GSP	groundwater sustainability plan
GWL	groundwater level
GWP	global warming potential
HA	hydrologic area
HAP	hazardous air pollutant
HCFC	hydrochlorofluorocarbon
HCP	Habitat Conservation Plan
HERO	Human and Ecological Risk Office
HFC	hydrofluorocarbon
HIA	health impact assessment
HMBP	Hazardous Material Business Plan
HMCP	Hazardous Materials Contingency Plan
HMMP	Hazardous Materials Management Plan
HRI	Historic Resources Inventory
has	hydrologic subarea
HU	hydrologic unit
HUC	hydrologic unit code
Hz	Hertz
IFC	International Fire Code
in/sec	inches per second
IPaC	Inventory for Planning and Conservation
IPCC	Intergovernmental Panel on Climate Change
IPHCP	Interim Programmatic Habitat Conservation Plan
IS	Initial Study
ISTEA	Intermodal Surface Transportation Efficiency Act
IWP	Integrated Water Plan
kWh	kilowatt hours
LACM	Natural History Museum of Los Angeles County
LAFCO	Local Agency Formation Commission

Acronym/Abbreviation	Definition
LCP	Local Coastal Program
L_{dn}	day-night average noise level
Legislature	California State Legislature
L_{eq}	equivalent noise level
LESA	Land Evaluation and Site Assessment
LID	Low Impact Development
L_{max}	maximum noise level
L_{min}	minimum noise level
LOS	level of service
LUST	leaking underground storage tank
MBARD	Monterey Bay Air Resources District
MBCP	Monterey Bay Community Power
MCL	maximum contaminant level
MCV	Manual of California Vegetation
mg	million gallons
mg/L	milligrams per liter
MGA	Santa Cruz Mid-County Groundwater Agency
mgd	million gallons per day
mg/y	million gallons per year
MHA	Mount Hermon Association
mL	milliliters
mm	millimeters
MM	Mitigation Measure
MMT	million metric tons
mpg	miles per gallon
mph	miles per hour
MPN	most probable number
MPO	metropolitan planning organization
MS4	Municipal Separate Storm Sewer System
MT	metric ton
MTBE	methyl tert-butyl ether
Mw	moment magnitude
mya	million years ago
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NI	no impact
NMFS	National Marine Fisheries Service
NO_2	nitrogen dioxide
NOI	Notice of Intent
NOP	Notice of Preparation
NO_x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NTU	nephelometric turbidity units
O_3	ozone

Acronym/Abbreviation	Definition
OMHCP	Operations and Maintenance Habitat Conservation Plan
OPR	Governor's Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PCE	Passenger Car Equivalents
PFC	perfluorocarbon
PG&E	Pacific Gas and Electric Company
PGM	photochemical grid model
PM _{2.5}	fine particulate matter
PM ₁₀	coarse particulate matter
POU	place of use
ppm	parts per million
PPV	peak particle velocity
PRIMP	Paleontological Resources Impact Mitigation Program
Proposed Project	Santa Cruz Water Rights Project
Purisima	Purisima Formation
PVC	polyvinyl chloride
R-M	Mountain Residential
R-R	Rural Residential
RA	Residential Agriculture
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
RFS	Renewable Fuel Standard
RMP	Representative Monitoring Point
RMPA	Cotoni-Coast Dairies California Coastal National Monument Resource Management Plan Amendments
RMS	root mean square
ROG	reactive organic gas
RPS	Renewables Portfolio Standard
RSL	regional screening level
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
SAFE	Safer Affordable Fuel-Efficient
Santa Cruz Metro	Santa Cruz Metropolitan Transit District
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCADA	supervisory control and data acquisition
SCAQMD	South Coast Air Quality Management District
SCCC	Santa Cruz County Code
SCCSD	Santa Cruz County Sanitation District
SCP	Standard Construction Practice
SCS	Sustainable Communities Strategy
scwd ²	Santa Cruz Water Department and Soquel Creek Water District
scwd ² DEIR	scwd ² Regional Seawater Desalination Project Draft EIR
SEL	sound exposure level
SF ₆	sulfur hexafluoride
SGMA	Sustainable Groundwater Management Act
SJVAPCD	San Joaquin Valley Air Pollution Control District

Acronym/Abbreviation	Definition
SLCP	short-lived climate pollutant
SLOAPCD	San Luis Obispo Air Pollution Control District
SLURP	<i>San Lorenzo River Urban Management Plan</i>
SLVWD	San Lorenzo Valley Water District
SMGWA	Santa Margarita Groundwater Agency
SO ₂	sulfur dioxide
SqCWD	Soquel Creek Water District
SSC	species of special concern
steelhead	Central California Coast steelhead
STC	Sound Transmission Class
STLC	soluble threshold limit concentration
SU	Special Use
SVP	Society of Vertebrate Paleontology
SVWD	Scotts Valley Water District
SWIS	Solid Waste Information System
SWMP	Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TAZ	transportation analysis zone
TBA	tert-butyl alcohol
TDH	Total Dynamic Head
TDM	transportation demand management
TMDL	total maximum daily load
TP	Timber Production
TPHg	gasoline-range hydrocarbons
UCSC	University of California, Santa Cruz
UNFCCC	United Nations Framework Convention on Climate Change
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UWMP	Urban Water Management Plan
V/C	volume-to-capacity
VdB	vibration decibels
VMT	vehicle miles traveled
VOC	volatile organic compound
WDR	waste discharge requirement
WSA	water supply assessment
WSAC	Water Supply Advisory Committee
WWTF	wastewater treatment facility