

TABLE OF CONTENTS

Section	Page
EXECUTIVE SUMMARY	ES-1
ES.1 Purpose	ES-1
ES.2 Project Summary	ES-1
ES.2.1 Project Setting	ES-1
ES.2.2 Project Description	ES-1
ES.2.3 Project Objectives	ES-7
ES.3 Summary of Environmental Impacts and Mitigation Measures	ES-8
ES.4 Significant Unavoidable Adverse Impacts	ES-43
ES.5 Summary of Project Alternatives	ES-45
ES.5.1 Alternative 1: No-Project Alternative	ES-45
ES.5.2 Alternative 2: Reduced Size Alternative	ES-45
ES.6 Areas of Controversy.....	ES-45
ES.6.1 Disagreement Among Experts.....	ES-46
ES.6.2 Substantial Evidence	ES-46
ES.6.3 Potentially Controversial Issues	ES-46
ES.7 Public Review of the Draft EIR.....	ES-47
1 INTRODUCTION.....	1-1
1.1 Previous Application	1-1
1.2 Overview of the CEQA Process	1-1
1.2.1 Purpose and Authority.....	1-1
1.2.2 LAFCo Lead Agency Authority and Procedure.....	1-2
1.2.3 LAFCo CEQA Policies	1-2
1.3 Scope of the EIR.....	1-9
1.4 Environmental Issues Determined Not to Be Significant.....	1-17
1.5 Organization of the EIR	1-17
1.6 Review of the Draft EIR.....	1-20
2 PROJECT DESCRIPTION	2-1
2.1 Project Location and Setting	2-1
2.2 Regional Planning	2-2
2.2.1 Sacramento Area Council of Governments’ Blueprint	2-2
2.2.2 Metropolitan Transportation Plan/Sustainable Communities Strategy	2-7
2.3 Local Planning.....	2-7
2.3.1 Sacramento County	2-7
2.3.2 City of Elk Grove	2-8
2.4 Proposed Project.....	2-8
2.4.1 Land Use Scenario	2-9
2.4.2 Municipal Services Review	2-9
2.4.3 Infrastructure and Services	2-10
2.5 Project Objectives.....	2-10
2.6 Intended Uses of this Draft EIR	2-11

2.7	Permits and Approvals	2-11
3	ENVIRONMENTAL SETTING, IMPACTS, AND MITIGATION MEASURES.....	3-1
3.0	Approach to the Environmental Analysis.....	3-1
3.1	Aesthetics	3.1-1
3.1.1	Environmental Setting.....	3.1-1
3.1.2	Regulatory Framework.....	3.1-7
3.1.3	Environmental Impacts and Mitigation Measures.....	3.1-10
3.2	Agricultural Resources	3.2-1
3.2.1	Environmental Setting.....	3.2-1
3.2.2	Regulatory Framework.....	3.2-3
3.2.3	Environmental Impacts and Mitigation Measures.....	3.2-16
3.3	Air Quality.....	3.3-1
3.3.1	Environmental Setting.....	3.3-1
3.3.2	Regulatory Framework.....	3.3-10
3.3.3	Environmental Impacts and Mitigation Measures.....	3.3-18
3.4	Biological Resources	3.4-1
3.4.1	Environmental Setting.....	3.4-1
3.4.2	Regulatory Framework.....	3.4-19
3.4.3	Environmental Impacts and Mitigation Measures.....	3.4-26
3.5	Cultural Resources	3.5-1
3.5.1	Environmental Setting.....	3.5-1
3.5.2	Research Methodology.....	3.5-3
3.5.3	Native American Consultation	3.5-4
3.5.4	Regulatory Framework.....	3.5-7
3.5.5	Environmental Impacts and Mitigation Measures.....	3.5-10
3.6.	Energy	3.6-1
3.6.1	Environmental Setting.....	3.6-1
3.6.2	Regulatory Framework.....	3.6-4
3.6.3	Environmental Impacts and Mitigation Measures.....	3.6-12
3.7	Geology, Soils, Minerals, and Paleontological Resources	3.7-1
3.7.1	Environmental Setting.....	3.7-1
3.7.2	Regulatory Framework.....	3.7-4
3.7.3	Environmental Impacts and Mitigation Measures.....	3.7-10
3.8	Greenhouse Gas Emissions	3.8-1
3.8.1	Environmental Setting.....	3.8-1
3.8.2	Regulatory Framework.....	3.8-4
3.8.3	Environmental Impacts and Mitigation Measures.....	3.8-14
3.9	Hazards and Hazardous Materials	3.9-1
3.9.1	Environmental Setting.....	3.9-1
3.9.2	Regulatory Framework.....	3.9-7
3.9.3	Environmental Impacts and Mitigation Measures.....	3.9-17
3.10	Hydrology and Water Quality	3.10-1
3.10.1	Environmental Setting.....	3.10-1
3.10.2	Regulatory Framework.....	3.10-3

3.10.3	Environmental Impacts and Mitigation Measures.....	3.10-20
3.11	Land Use, Population, Housing, Employment, Environmental Justice, and Unincorporated Disadvantaged Communities.....	3.11-1
3.11.1	Environmental Setting.....	3.11-1
3.11.2	Regulatory Framework.....	3.11-5
3.11.3	Environmental Impacts and Mitigation Measures.....	3.11-18
3.12	Noise and Vibration.....	3.12-1
3.12.1	Environmental Setting.....	3.12-1
3.12.2	Regulatory Framework.....	3.12-14
3.12.3	Environmental Impacts and Mitigation Measures.....	3.12-31
3.13	Public Services and Recreation.....	3.13-1
3.13.1	Environmental Setting.....	3.13-1
3.13.2	Regulatory Framework.....	3.13-4
3.13.3	Environmental Impacts and Mitigation Measures.....	3.13-9
3.14	Transportation.....	3.14-1
3.14.1	Environmental Setting.....	3.14-1
3.14.2	Regulatory Framework.....	3.14-9
3.14.3	Environmental Impacts and Mitigation Measures.....	3.14-20
3.15	Utilities and Service Systems.....	3.15-1
3.15.1	Environmental Setting.....	3.15-1
3.15.2	Regulatory Framework.....	3.15-11
3.15.3	Environmental Impacts and Mitigation Measures.....	3.15-15
4	ALTERNATIVES.....	4-1
4.1	Selection of Alternatives.....	4-1
4.1.1	Ability of the Alternative to Attain Most Project Objectives.....	4-2
4.1.2	Feasibility of the Alternatives.....	4-3
4.1.3	Avoidance or Substantial Reduction of Significant Effects.....	4-3
4.2	Alternatives Considered but Rejected from Detailed Analysis in the EIR.....	4-4
4.2.1	Provide a Buffer.....	4-4
4.2.2	Expanded SOIA Area.....	4-4
4.2.3	Alternative Use of Project Site.....	4-4
4.2.4	Alternate Location Alternative for Future Development.....	4-4
4.3	Alternatives Considered in Detail in the EIR.....	4-5
4.3.1	Alternative 1: No-Project Alternative.....	4-5
4.3.2	Alternative 2: Reduced Size Alternative.....	4-5
4.4	Comparison of Alternatives.....	4-6
4.4.1	Aesthetics.....	4-6
4.4.2	Agricultural Resources.....	4-9
4.4.3	Air Quality.....	4-10
4.4.4	Biological Resources.....	4-10
4.4.5	Cultural Resources.....	4-11
4.4.6	Energy.....	4-12
4.4.7	Geology, Soils, Minerals, and Paleontological Resources.....	4-12
4.4.8	Greenhouse Gas Emissions.....	4-13

4.4.9	Hazards and Hazardous Materials	4-13
4.4.10	Hydrology and Water Quality	4-14
4.4.11	Land Use, Population, Housing, Employment, Environmental Justice, and Unincorporated Disadvantaged Communities.....	4-15
4.4.12	Noise and Vibration.....	4-16
4.4.13	Public Services and Recreation	4-16
4.4.14	Transportation and Traffic.....	4-17
4.4.15	Utilities and Service Systems	4-18
4.5	Environmentally Superior Alternative	4-18
5	OTHER CEQA CONSIDERATIONS	5-1
5.1	Significant and Unavoidable Adverse Impacts	5-1
5.2	Significant Irreversible Environmental Changes.....	5-2
5.3	Cumulative Impacts.....	5-3
5.3.1	Cumulative Context.....	5-4
5.3.2	Cumulative Impact Analysis	5-5
5.4	Growth-Inducing Impacts.....	5-28
5.4.1	Growth Inducing Impacts of the Project	5-28
6	REFERENCE	6-1
7	LIST OF PREPARERS.....	7-1

Exhibits

ES-1	Regional Location Map.....	ES-3
ES-2	Elk Grove Proposed Sphere of Influence Amendment Area	ES-5
ES-3	Alternative 2 Reduced Size Alternative	ES-48
1-1	Project Vicinity	1-3
1-2	Project Location Map.....	1-5
2-1	Regional Location Map.....	2-3
2-2	Elk Grove Proposed Sphere of Influence Amendment Area	2-5
3.1-1	Photo Locations.....	3.1-2
3.1-2	Photo Location 1, facing west.....	3.1-3
3.1-3	Photo Location 2, facing east.....	3.1-3
3.1-4	Photo Location 3, facing north.....	3.1-4
3.1-5	Photo Location 4, facing north.....	3.1-4
3.1-6	Photo Location 5, facing southeast	3.1-5
3.1-7	Photo Location 6, facing southeast	3.1-5
3.1-8	Photo Location 7, facing northwest.....	3.1-6
3.2-1	Important Farmland Map	3.2-5
3.2-2	Lands Under Williamson Act Contract Map.....	3.2-7
3.2-3	Changes in Important Farmland.....	3.2-9
3.2-4	General Plan Land Use Designations.....	3.2-11
3.2-5	Zoning Map.....	3.2-13
3.4-1	Habitat Map.....	3.4-3
3.4-2	CNDDDB Occurrences within 5 Miles.....	3.4-11
3.5-1	Previously Completed Studies	3.5-5
3.7-1	Soil Map.....	3.7-5
3.8-1	2014 California GHG Emissions by Sector	3.8-3
3.9-1	Risk Contours at Suburban Propane.....	3.9-5
3.10-1	100-Year Flood Zone	3.10-5
3.11-1	Environmental Justice Areas.....	3.11-7
3.11-2	Disadvantaged Unincorporated Communities	3.11-9
3.11-3	Land Use Designations within the SOIA Area	3.11-13
3.12-1	Typical Noise Levels.....	3.12-3
3.12-2	Noise Monitoring Locations Map	3.12-10
3.12-3a	Existing Roadway Noise Contours	3.12-12
3.12-3b	Existing Highway Noise Contours.....	3.12-13
3.12-4a	Cumulative No Project Roadway Noise Contours	3.12-43
3.12-4b	Cumulative No Project Highway Noise Contours	3.12-44
3.12-4c	Future Plus Project Roadway Noise Contours	3.12-45
3.12-4d	Future Plus Project Highway Noise Contours.....	3.12-46
3.14-1	Project Roadway Segments.....	3.14-3
3.15-1	Sacramento County Water Agency Service Area	3.15-2
3.15-2	Sacramento Area Sewer District Service Area	3.15-8
3.15-3	Existing and Future Infrastructure Expansion Plan.....	3.15-9
4-1	Alternative 2 Reduced Size Alternative	4-7

Tables

ES-1	Summary of Project Impacts and Mitigation Measures	ES-9
1-1	Notice of Preparation Comment Letters.....	1-11
1-2	Scoping Meeting Comments	1-16
2-1	Conceptual Land Use Scenario	2-9
3.2-1	Summary of Agricultural Land Conversion in Sacramento County	3.2-2
3.3-1	National and California Ambient Air Quality Standards	3.3-6
3.3-2	Ambient Air Quality Summary – Elk Grove – Bruceville Road Air Monitoring Station.....	3.3-7
3.3-3	Sacramento County Attainment Designations	3.3-8
3.3-4	City of Elk Grove Climate Action Plan Applicable GHG Reduction Measures.....	3.3-16
3.3-5	Conceptual Land Use Scenario for the Purposes of Analysis Only	3.3-18
3.3-6	Maximum Annual Criteria Air Pollutant and Precursor Construction Emissions	3.3-22
3.3-7	Maximum Annual Criteria Air Pollutant and Precursor Long-Term Operational Emissions.....	3.3-24
3.4-1	Wildlife Species Observed, or Whose Sign was Observed, During the March 2016 Field Reconnaissance Survey.....	3.4-5
3.4-2	Special-Status Plant Species Known or Reported and Potential for Occurrence in the SOIS Area....	3.4-8
3.4-3	Special-Status Wildlife Known or Reported and Potential to Occur in the SOIA Area	3.4-13
3.6-1	SMUD Service Area Average Electrical Consumption and Forecast.....	3.6-1
3.6-2	SMUD Electrical Power Mix, 2014	3.6-2
3.6-3	PG&E Service Area Average Natural Gas Consumption and Forecast	3.6-3
3.6-4	City of Elk Grove Climate Action Plan Applicable Energy Reduction Measures.....	3.6-9
3.6-5	Estimated Annual Electrical and Natural Gas Demand, Conceptual Land Use Scenario.....	3.6-14
3.7-1	Modified Mercalli Scale.....	3.7-2
3.7-2	Soil Types Found in the Project Area	3.7-3
3.8-1	Sacramento County 2005 GHG Emissions Inventory – City of Elk Grove Portion	3.8-4
3.8-2	City of Elk Grove 2005 GHG Emissions Inventory.....	3.8-4
3.8-3	City of Elk Grove Climate Action Plan Applicable GHG Reduction Measures.....	3.8-13
3.8-4	Statewide Efficiency Target – Land Use-Related Emissions and Employment	3.8-16
3.8-5	Estimated GHG Emissions.....	3.8-17
3.9-1	Reasonably Foreseeable Probability of Occurrence.....	3.9-14
3.9-2	Maximum Acceptable Exposure Criteria for Agricultural, Residential, and Non-Residential Land Uses.....	3.9-15
3.10-1	Estimate of Crop Water Usage within the SOIA Area.....	3.10-2
3.10-2	Projected Water Demands for Build-Out of Future Development.....	3.10-23
3.11-1	Sacramento County General Plan Consistency Analysis	3.11-21
3.11-2	Elk Grove General Plan Consistency Analysis	3.11-21
3.11-3	Sacramento LAFCo Policy Consistency Analysis	3.11-24
3.11-4	Jobs Housing Balance	3.11-29
3.12-1	Subjective Reaction to Changes in Noise Levels of Similar Sources	3.12-2
3.12-2	Effects of Various Vibration Levels on People and Buildings	3.12-8
3.12-3	Human Response to Groundborne Vibration Levels	3.12-9
3.12-4	Summary of Measured 24-hour Long Term Ambient Noise Levels.....	3.12-9
3.12-5	Summary of Modeled Levels of Existing Traffic Noise	3.12-14
3.12-6	Land Use Noise Compatibility Guidelines.....	3.12-17

3.12-7	Noise Level Performance Standards for New Projects Affected by or Including Non-Transportation Noise Sources.....	3.12-20
3.12-8	Requirements for Acoustical Analysis.....	3.12-21
3.12-9	Maximum Allowable Noise Exposure, Transportation Noise Sources.....	3.12-21
3.12-10	Noise Standards for New Uses Affected by Traffic and Railroad Noise Sacramento County Noise Element	3.12-28
3.12-11	Non-Transportation Noise Standards Sacramento County Noise Element Median/Maximum.....	3.12-28
3.12-12	Requirements for Acoustical Analyses Prepared in Sacramento County	3.12-29
3.12-13	Excerpts from the County of Sacramento Noise Control Ordinance	3.12-29
3.12-14	Typical Construction Equipment Noise Levels	3.12-34
3.12-15	Typical Vibration Levels for Construction Equipment.....	3.12-37
3.12-16	Predicted Traffic Noise Levels, Existing Plus Project Conditions.....	3.12-40
3.12-17	Predicted Traffic Noise Levels, Future Plus Project (2020) Conditions.....	3.12-41
3.13-1	Elk Grove Unified School District Enrollment, 2015–2016.....	3.13-3
3.14-1	Level of Service Definitions for Study Roadways1	3.14-6
3.14-2	Roadway Segment Level of Service – Existing Conditions.....	3.14-7
3.14-3	Land Use Estimates for Elk Grove SOIA Area.....	3.14-22
3.14-4	SOIA Area Project Trip Distribution	3.14-22
3.14-5	Roadway Segment Level of Service – Existing Plus Project Conditions	3.14-25
3.15-1	Estimate of Crop Water Usage within the SOIA Area.....	3.15-1
3.15-2	Comparison of Water Supply and Demand in Zone 40 (2010–2035).....	3.15-6
3.15-3	City of Elk Grove Primary Landfills.....	3.15-10
3.15-4	Projected Water Demands for Build-Out of Future Development.....	3.15-17
4-1	Farmland Classifications for Alternative 2	4-9
4-2	Comparison of Significant Environmental Effects of the Alternatives to the Proposed Project.....	4-19
5-1	Roadway Segment Level of Service – Cumulative No Project Conditions	5-21
5-2	Roadway Segment Level of Service – Comparison between Cumulative No Project and Existing No Project Conditions.....	5-22
5-3	Roadway Segment Level of Service – Cumulative Plus Project Conditions	5-23
5-4	Roadway Segment Level of Service – Comparison between Cumulative No Project and Cumulative Plus Project Conditions	5-25

Appendices

A	NOP and NOP Responses
B	Air Quality and GHG Emissions
C	Cultural Resources
D	Noise Modeling
E	Cultural Resources (Confidential)

This page intentionally left blank

ACRONYMS AND OTHER ABBREVIATIONS

µin/sec	microinch per second
°F	Fahrenheit
O-D	Origin-Destination
AASHTO	American Association of State Highway and Transportation Officials
AB	Assembly Bill
AB 32	Assembly Bill 32, The Global Warming Solutions Act of 2006
ACMs	asbestos-containing materials
ACWA	Association of California Water Agencies
ADA	Americans with Disabilities Act
ADT	average daily traffic
af	acre-feet
afy	acre-feet per year
AG-20	Agricultural, 20-acre minimum
AG-80	Agricultural, 80-acre minimum
amsl	above mean sea level
Application Area	Kammerer/99 Sphere of Influence Amendment
AQAP	Air Quality Attainment Plan
AQMP	Air Quality Management Plans
ARB	California Air Resources Board
B.P.	before present
Basin Plan	Sacramento River and San Joaquin River Basins
BAT	Best Available Technology Economically Achievable
BCT	Best Conventional Pollutant Control Technology
Blueprint	Sacramento Region Blueprint Project
BMPs	best management practices
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/EPA	California Environmental Protection Agency
Cal/OSHA	California Department of Industrial Relations, Division of Occupational Safety and Health
CalEEMod	California Emissions Estimator Model
CALGREEN	2013 California Green Building Standards Code
CalRecycle	California Integrated Waste Management Board
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CAQ	Conservation and Air Quality
CBC	California Building Code
CCR	California Code of Regulations
CCSD	Cosumnes Community Services District
CDE	California Department of Education
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CESA	California Endangered Species Act
CFC	California Fire Code
CFD	Community Facilities District
CFR	Code of Federal Regulations
CH ₄	Methane
CHABA	Committee of Hearing, Bio Acoustics, and Bio Mechanics
CHP	California Highway Patrol

CHRIS	California Historic Resources Information System
CI	Circulation
City	City of Elk Grove
CIWMA	California Integrated Waste Management Act
CKH Act	Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000
CMP	Congestion Management Plan
CNDDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	Carbon Dioxide
CO ₂ e	carbon dioxide equivalents
Court	County of Mendocino, the First District Court of Appeals
CRHR	California Register of Historical Resources
CRPR	California Rare Plant Rank
CSCGM	Central Sacramento County Groundwater Management Plan
CTR	California Toxics Rule
CUPA	Certified Unified Program Agency
CVP	Central Valley Project
CWA	Clean Water Act
CWHR	California Wildlife Habitat Relationships
dB	decibels
dBA	A-weighted decibels
dBA/DD	A-weighted decibels per doubling of distance
dbh	diameter at breast height
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DEHP	di[2-ethylhexyl]phthalate
Delta	Sacramento-San Joaquin Delta
diesel PM	Particulate exhaust emissions from diesel-fueled engines
dioxin	2,3,7,8-TCDD
DOC	California Department of Conservation
DOF	Department of Finance
DOT	Department of Transportation
DPR	California Department of Pesticide Regulation
Dry Cleaning ATCM	Airborne Toxic Control Measure for Emissions of Perchloroethylene from Dry Cleaning Operations
DTSC	California Department of Toxic Substances Control
DWQ	Division of Water Quality
DWR	California Department of Water Resources
ECOS	Environmental Council of Sacramento
EDD	Employee Development Department
EGCSD	Elk Grove Community Services District
EGPD	City of Elk Grove's Police Department
EGUSD	Elk Grove Unified School District
EIR	environmental impact report
EMD	Environmental Management Department
EMTs	emergency medical technicians
EPA	Environmental Protection Agency
EPAct	Energy Policy Act of 1992
ESA	Federal Endangered Species Act
ez-tran	e-Tran neighborhood shuttle service
Farmland	Prime Farmland, Unique Farmland, or Farmland of Statewide Importance
FEMA	Federal Emergency Management Agency

FHWA	Federal Highway Administration
FHWA RD 77-108	Federal Highway Administration Highway Traffic Noise Prediction Model
FMMP	Farmland Mapping and Monitoring Program
FRA	Federal Railroad Association
FTA	Federal Transit Authority
GHG	greenhouse gas
GIS	Geographic information system
GVGM	Great Valley Geomorphic Province
GWh	gigawatt hours
GWP	Global warming potential
H ₂ S	Hydrogen Sulfide
HEPA	High Efficiency Particle Arresting
High GWP	High Global Warming Potential
HOV	high occupancy vehicle
HRA	health risk assessment
HSC	Health and Safety Code
HVAC	heating, ventilation, and air conditioning
Hz	hertz
I-5	Interstate 5
IEPR	Integrated Energy Policy Report
in/sec	inches per second
IPaC	Information, Planning, and Conservation System
IPCC	Intergovernmental Panel on Climate Change
ISO	Insurance Services Office
ISS	Interceptor Sequencing Study
ITE	Institute of Transportation Engineers
ITS	intelligent transportation system
JPA	Joint Powers Authority
kBtu	British thermal units
kV	kilovolt
kWh	million kilowatt-hours
LAFCo	Sacramento Local Agency Formation Commission
lbs/day	pounds per day
LCFS	Low Carbon Fuel Standard
L _{dn}	Day-Night Noise Level
LEAs	local enforcement agencies
L _{eq}	Equivalent Noise Level
LID	low impact development
L _{max}	Maximum Noise Level
L _{min}	Minimum Noise Level
LOS	level of service
LRA	local responsibility area
LRP	Legally Responsible Person
LRSP	Laguna Ridge Specific Plan
LUPs	Linear Underground/Overhead Projects
Manual	Policy, Standards, and Procedures Manual
MBTA	Migratory Bird Treaty Act
MEI	maximally exposed individual
MERV	Minimum Efficiency Reporting Value
mgd	million gallons per day
MLD	Most Likely Descendant

MM therms	million therms
MMI	Modified Mercalli Intensity
MMRP	Mitigation Monitoring and Reporting Program for the Connector Project
mph	miles per hour
MPO	Metropolitan Planning Organization
MSR	Municipal Service Review
MTCO _{2e}	metric tons of carbon dioxide equivalents
MTIP	Metropolitan Transportation Improvement Program
MTP	Metropolitan Transportation Plan
MUN	Municipal and domestic supply
MW	megawatts
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NAL	numeric action level
NCIC	North Central Information Center
NEHRP	National Earthquake Hazards Reduction Program
NEL	numeric effluent limitations
NEPA	National Environmental Policy Act
NHTSA	National Highway Traffic and Safety Administration
NO	nitric oxide
NO ₂	nitrogen dioxide
NOC	notice of completion
NOI	Notice of Intent
NOP	Notice of Preparation
NO _x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NTU	Nephelometric Turbidity Units
O ₃	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
OES	California Office of Emergency Services
OPR	Governor's Office of Planning and Research
Pb	Lead
PCBs	polychlorinated biphenyls
PG&E	Pacific Gas and Electric Company
photovoltaic	PV
PM ₁₀	particulate matter with aerodynamic diameter less than 10 microns
PM _{2.5}	particulate matter with aerodynamic diameter less than 2.5 microns
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
PPC	Public Protection Classification
ppd	pounds per day
PPV	peak particle velocity
PRD	Permit Registration Document
proposed project	proposed Sphere of Influence Amendment
PUC	California Public Utilities Commission
RCA	Resources Conservation Act
RCRA	Resource Conservation and Recovery Act of 1976
REAP	Rain Event Action Plan
Reporting Rule	Final Mandatory Greenhouse Gas Reporting Rule
RMS	root mean square
ROG	reactive organic gas

RRS	Renewable Portfolio Standard
RTP	Regional Transportation Plan
RUCS	Rural-Urban Connection Strategy
RWQCB	Regional Water Quality Control Board
SACOG	Sacramento Area Council of Governments
SARA	Superfund Amendments and Reauthorization Act of 1986
SASD	Sacramento Area Sewer District
SB	Senate Bill
SCAOG	Sacramento Regional Council of Governments
Scoping Plan	Climate Change Scoping Plan
SCP	2010 System Capacity Plan Update
SCS	Sustainable Communities Strategy
SCS	U.S. Soil Conservation Service
SCSD	Sacramento County Sheriff's Department
SCWA	Sacramento County Water Agency
SENL	Single-Event [Impulsive] Noise Level
SEPA	Southeast Policy Area
SF ₆	sulfur hexafluoride
SFPD	School Facilities Planning Division
SGMA	Sustainable Groundwater Management Act
SHMP	State Hazard Mitigation Plan
SIP	State Implementation Plan
SMAQMD	Sacramento Metropolitan Air Quality Management District
SMUD	Sacramento Municipal Utility District
SO ₂	sulfur dioxide
SoGL	South of Grant Line
SOI	Sphere of Influence
SOIA	Sphere of Influence Amendment
SOIA Area	Sphere of Influence Amendment Area
SR	State Route
SRCS	Sacramento Regional County Sanitation District
SRWTP	Sacramento Regional Wastewater Treatment Plant
SSHCP	South Sacramento Habitat Conservation Plan
STA	Sacramento Transportation Authority
State CEQA Guidelines	California Environmental Quality Act Guidelines
STC	Sound Transmission Class
SVAB	Sacramento Valley Air Basin
SVP	Society for Vertebrate Paleontology
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TACs	toxic air contaminants
TCR	Transportation Concept Report
TDM	Transportation Demand Management Program
TMDL	total maximum daily loads
TRUs	transport refrigeration units
U.S. EPA	U.S. Environmental Protection Agency
UARP	Upper American River Project
UBC	US Uniform Building Code
Unified Program	Unified Hazardous Waste and Hazardous Materials Management Regulatory Program
UPA	Urban Policy Area
USACE	U.S. Army Corps of Engineers
USB	Urban Service Boundary
USC	U.S. Code
USDA	U.S. Department of Agriculture

USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geologic Survey
UWMP	urban water management plan
v/c	volume/capacity ratio
VdB	vibration decibels
VMT	vehicle miles traveled
WDRs	Waste Discharge Requirements
WPCP	Water Pollution Control Plan
WSIP	Water System Infrastructure Plan
WSMP	<i>Water Supply Master Plan</i>
WTP	Water Treatment Plant
ZEV	zero emission vehicles
ZNE	zero net energy
Zone 40 WSIP	<i>Zone 40 Water System Infrastructure Plan</i>
Zone 41 UWMP	<i>2010 Zone 41 Urban Water Management Plan</i>