

Contents

List of Tables.....	v
List of Figures.....	ix
List of Acronyms and Abbreviations.....	xi
Executive Summary.....	ES-1
Chapter 1 Introduction.....	1-1
1.1 Project Background and Overview	1-1
1.2 Purpose of this Environmental Impact Report	1-1
1.2.1 Level of Detail and Scope of the Environmental Impact Report	1-2
1.3 Scoping and Public Involvement.....	1-2
1.3.1 Purpose of Scoping.....	1-2
1.3.2 Notice of Preparation Scoping Meetings	1-3
1.3.3 Future Opportunities for Public Input.....	1-4
1.3.4 Final Environmental Impact Report	1-4
1.4 Intended Use of this Environmental Impact Report.....	1-4
1.5 Document Format.....	1-5
Chapter 2 Project Description.....	2-1
2.1 Project Setting.....	2-1
2.1.1 Location	2-1
2.1.2 Existing Conditions and Land Uses	2-1
2.1.3 Surrounding Land Uses.....	2-2
2.2 Project Objectives	2-2
2.3 Project Overview.....	2-4
2.3.1 Project Entitlements.....	2-5
2.3.2 Proposed Land Use Plan.....	2-9
2.3.3 Project Features	2-9
2.3.4 Project Phasing and Construction	2-15
2.4 Required Approvals.....	2-15
Chapter 3 Impact Analysis	3-1
Resources Considered in the Environmental Impact Report	3-1
Terminology.....	3-1
3.1 Aesthetics.....	3.1-1
3.1.1 Concepts and Terminology.....	3.1-1
3.1.2 Existing Conditions	3.1-3
3.1.3 Environmental Impacts	3.1-16
3.2 Air Quality	3.2-1

3.2.1	Existing Conditions	3.2-1
3.2.2	Environmental Impacts	3.2-15
3.3	Biological Resources	3.3-1
3.3.1	Existing Conditions	3.3-1
3.3.2	Environmental Impacts	3.3-34
3.4	Cultural Resources	3.4-1
3.4.1	Existing Conditions	3.4-2
3.4.2	Environmental Impacts	3.4-17
3.5	Geology, Soils, Minerals, and Paleontological Resources.....	3.5-1
3.5.1	Existing Conditions	3.5-2
3.5.2	Environmental Impacts	3.5-22
3.6	Greenhouse Gas Emissions.....	3.6-1
3.6.1	Existing Conditions	3.6-1
3.6.2	Environmental Impacts	3.6-12
3.7	Hazards and Hazardous Materials	3.7-1
3.7.1	Existing Conditions	3.7-1
3.7.2	Environmental Impacts	3.7-13
3.8	Hydrology, Water Quality, and Water Resources.....	3.8-1
3.8.1	Existing Conditions	3.8-1
3.8.2	Environmental Impacts	3.8-16
3.9	Land Use Planning and Agricultural Resources.....	3.9-1
3.9.1	Existing Conditions	3.9-1
3.9.2	Environmental Impacts	3.9-8
3.10	Noise and Vibration	3.10-1
3.10.1	Noise Terminology	3.10-1
3.10.2	Existing Conditions	3.10-8
3.10.3	Environmental Impacts	3.10-15
3.11	Population and Housing.....	3.11-1
3.11.1	Existing Conditions	3.11-1
3.11.2	Environmental Impacts	3.11-5
3.12	Public Services and Utilities	3.12-1
3.12.1	Existing Conditions	3.12-1
3.12.2	Environmental Impacts	3.12-31
3.13	Recreation.....	3.13-1
3.13.1	Existing Conditions	3.13-1
3.13.2	Environmental Impacts	3.13-9
3.14	Transportation and Circulation.....	3.14-1
3.14.1	Existing Conditions	3.14-1

3.14.2	Environmental Impacts	3.14-11
Chapter 4 Alternatives Analysis		4-1
4.1	Alternatives Overview.....	4-1
4.2	Alternatives Development	4-1
4.2.1	Methods and Screening Criteria.....	4-1
4.3	Alternatives Analysis.....	4-9
4.3.1	Alternative 1—No-Project Alternative	4-11
4.3.2	Alternative 2—Reduced Wetland Impact	4-23
4.3.3	Alternative 3—Reduced Development Footprint	4-34
4.3.4	Alternative 4—Minimal Oak Impact.....	4-45
4.4	Environmentally Superior Alternative	4-56
4.5	Alternatives Considered but Dismissed from Further Evaluation in this Draft EIR	4-59
4.5.1	Alternate Location Alternative	4-59
4.5.2	Jobs-Housing Balance Alternative	4-59
4.5.3	Low-Density Residential—RE-10 Alternative	4-60
4.5.4	Low-Density Residential—RE-5 Alternative	4-60
Chapter 5 Other CEQA Considerations		5-1
5.1	Overview	5-1
5.2	Cumulative Impacts	5-1
5.2.1	Cumulative Scenario.....	5-2
5.2.2	Analysis of Potential Cumulative Impacts	5-7
5.3	Growth-Inducing Impacts	5-27
5.3.1	Remove Obstacles to Growth or Provide New Access	5-28
5.3.2	Economic, Population, and Housing Growth	5-29
5.4	Significant and Unavoidable Impacts.....	5-29
5.5	Significant Irreversible Environmental Changes	5-31
5.6	Mitigation Measures with the Potential for Environmental Effects under CEQA	5-32
5.6.1	Geology, Soils, and Paleontological Resources Mitigation Measures.....	5-32
5.6.2	Hazards and Hazardous Materials Mitigation Measures	5-33
5.6.3	Transportation Mitigation Measures	5-33
5.7	Potential Indirect Effects Associated with Secondary Dwelling Units	5-35
5.7.1	Background.....	5-35
5.7.2	Secondary Dwelling Unit Development Potential in VMVSP	5-35
5.7.3	Regulatory Considerations Pertaining to CEQA Review	5-36
5.7.4	Potential Environmental Effects of Construction and Occupancy of Secondary Dwelling Units.....	5-36
Chapter 6 Report Preparers		6-1

6.1	El Dorado County	6-1
6.2	ICF	6-1
6.3	Fehr & Peers.....	6-2
Chapter 7 References Cited		7-1
7.1	Chapter 2, Project Description.....	7-1
7.2	Chapter 3, Impact Analysis	7-1
7.2.1	Section 3.1, Aesthetics	7-1
7.2.2	Section 3.2, Air Quality	7-2
7.2.3	Section 3.3, Biological Resources	7-5
7.2.4	Section 3.4, Cultural Resources.....	7-11
7.2.5	Section 3.5, Geology, Soils, Minerals, and Paleontological Resources	7-12
7.2.6	Section 3.6, Greenhouse Gas Emissions.....	7-15
7.2.7	Section 3.7, Hazards and Hazardous Materials.....	7-18
7.2.8	Section 3.8, Hydrology, Water Quality, and Water Resources	7-20
7.2.9	Section 3.9, Land Use Planning and Agricultural Resources	7-22
7.2.10	Section 3.10, Noise and Vibration.....	7-23
7.2.11	Section 3.11, Population and Housing	7-24
7.2.12	Section 3.12, Public Services and Utilities.....	7-25
7.2.13	Section 3.13, Recreation	7-30
7.2.14	Section 3.14, Transportation and Circulation	7-30
7.3	Chapter 4, Alternatives Overview.....	7-31
7.4	Chapter 5, Other CEQA Considerations	7-32

Appendices are found on the attached CD

Appendix A	Notice of Preparation and Comment Matrix
Appendix B	Consistency with El Dorado County General Plan Policies
Appendix C	Air Quality and Greenhouse Gas Studies and Calculations
Appendix D	EDCAQMD Rule 223-1 Best Management Practices and Rule 223-2
Appendix E	Plant Species
Appendix F	Oak Resources Technical Report
Appendix G	Native American Consultation Documentation
Appendix H	Water Supply Assessment
Appendix I	CEQA Guidelines Appendix F: Energy Conservation
Appendix J	Drainage Analysis
Appendix K	Transportation Impact Analysis
Appendix L	Deer Creek WWTP Mitigation Monitoring Program
Appendix M	Wildfire Risk Analysis
Appendix N	Fire Evacuation Assessment

Tables

ES-1	Summary of Impacts and Mitigation Measures	follows ES-11
ES-2	Comparison of Environmental Impacts of Alternatives to the Proposed Project	ES-8
2-1	Existing Land Use Designations and Zoning	2-2
2-2	Proposed Land Use Summary.....	2-6
2-3	Proposed Zoning Summary	2-7
3.2-1	National and State Ambient Air Quality Standards	3.2-2
3.2-2	Ambient Criteria Air Pollutant Monitoring Data (2020–2022).....	3.2-11
3.2-3	Federal and State Attainment Status for the Project Area	3.2-12
3.2-4	Estimated Maximum Unmitigated Construction Emissions (pounds per day)	3.2-27
3.2-5	Estimated Maximum Mitigated Construction Emissions (pounds per day).....	3.2-28
3.2-6	Estimated Unmitigated Operational Emissions (pounds per day)	3.2-32
3.2-7	Estimated Operational Emissions with Mitigation Measure TRA-2 (pounds per day)	3.2-33
3.2-8	Estimated Mitigated Combined Construction and Operational Emissions (pounds per day)	3.2-36
3.2-9	Conservative Estimate of Increased Regional Health Effect Incidence Resulting from Buildout of the VMVSP (cases per year).....	3.2-41
3.2-10	Modeled Carbon Monoxide Concentrations at Study Area Intersections	3.2-44
3.3-1	Biological Resource Survey Dates.....	3.3-12
3.3-2	Total Area of Vegetation Communities and Drainages in the Study Area	3.3-15
3.3-3	Special-Status Plant Species with Potential to Occur in the Village of Marble Valley Specific Plan Project Area	follows 3.3-82
3.3-4	Special-Status Wildlife Species Known or with Potential to Occur in the Village of Marble Valley Specific Plan Project Region	follows 3.3-82
3.3-5	Permanent Direct Impacts on Biological Resources within the VMVSP Project Area	3.3-36
3.4-1	Known Cultural Resources Sites in the Onsite VMVSP Area	3.4-12
3.4-2	Known Cultural Resources in the Offsite Improvement Areas	3.4-16
3.4-3	Known Cultural Resources in the Traffic Improvement Areas	3.4-17
3.5-1	Project Area Slope Information.....	3.5-10
3.5-2	Detailed Soil Characteristics of the Project Area	3.5-12
3.5-3	Active/Early Quaternary Faults within a 100-Kilometer Radius of the Project Area	3.5-14
3.5-4	Paleontological Sensitivity Ratings	3.5-20

3.5-5	Society of Vertebrate Paleontology's Recommended Treatment for Paleontological Resources.....	3.5-23
3.5-6	Mineral Resources for the Project Area	3.5-35
3.6-2	Global, National, and State Greenhouse Gas Emission Inventories.....	3.6-11
3.6-3	Informational Greenhouse Gas Efficiency Benchmarks	3.6-21
3.6-4	Estimated Construction Greenhouse Gas Emissions (metric tons per year)	3.6-21
3.6-5	Estimated Operational GHG Emissions (metric tons per year, unless otherwise stated)	3.6-22
3.6-6	Estimated Operational GHG Emissions with Implementation of Quantified Mandatory VMVSP Policies (metric tons per year, unless otherwise stated).....	3.6-23
3.6-7	Consistency of the VMVSP with the 2022 Scoping Plan Key Project Attributes for Transportation Electrification and VMT Reduction.....	3.6-28
3.6-8	Estimated Full Build Operational GHG Emissions with Implementation of Mitigation Measure TRA-2 and Quantifiable Revisions to VMVSP Policies Required by Mitigation Measure GHG-2 (metric tons per year, unless otherwise stated)	3.6-32
3.6-9	Project Mobile, Area, Construction, and Building Natural Gas Sector Emissions Subject to Reduction under Mitigation Measure GHG-2 (metric tons CO ₂ e)	3.6-37
3.6-10	VMVSP Consistency with 2017 Scoping Plan Policies	3.6-50
3.8-1	Designated Beneficial Uses for Surface Waterbodies within the Project Vicinity	3.8-13
3.8-2	303(d) Listed Impaired Waters with Potential to be Affected by the Project.....	3.8-13
3.9-1	Existing Land Use Designations and Zoning	3.9-5
3.9-2	Farmland Mapping and Monitoring Program Designations.....	3.9-8
3.10-1	Definition of Sound Measurements	3.10-2
3.10-2	Typical A-weighted Sound Levels	3.10-3
3.10-3	Vibration Source Levels for Construction Equipment	3.10-5
3.10-4	Vibration Damage Potential Threshold Criteria Guidelines	3.10-6
3.10-5	Vibration Annoyance Potential Criteria Guidelines	3.10-6
3.10-6	Human Response to Airblast and Ground Vibration from Blasting	3.10-7
3.10-7	Maximum Allowable Noise Exposure for Construction Noise in Rural Regions and Adopted Plan Areas.....	3.10-9
3.10-8	Maximum Allowable Noise Exposure for Transportation Noise Sources	3.10-10
3.10-9	Maximum Allowable Noise Exposure for Non-Transportation Noise Sources	3.10-11
3.10-10	Summary of Short-Term Sound Level Measurements, January 14, 2014 (ambient noise levels)	3.10-13
3.10-11	Existing Traffic Noise on Roadway Segments in the Project Vicinity	3.10-13
3.10-12	Typical Construction Noise Emission Levels.....	3.10-18

3.10-13	Calculated Construction Noise Emission Levels	3.10-19
3.10-14	Existing Plus Project and Near-Term Plus Project Traffic Noise on Roadway Segments in the Project Vicinity.....	3.10-23
3.10-15	Existing Plus Project Traffic Noise on Roadway Segments in the Project Area Vicinity.....	3.10-28
3.10-16	Near-Term Plus Project Traffic Noise on Roadway Segments in the Project Area Vicinity.....	3.10-29
3.10-17	Estimated Airblast and Ground-Vibration Levels	3.10-34
3.11-1	El Dorado County Population Growth 1990–2020.....	3.11-3
3.11-2	El Dorado County Population Growth Projections 2020–2045.....	3.11-3
3.11-3	Unincorporated El Dorado County Regional Housing Needs Allocation for 2021–2029.....	3.11-5
3.11-4	Projected Population Resulting from VMVSP	3.11-6
3.12-1	Summary of 2022–2023 Student Enrollment.....	3.12-16
3.12-2	El Dorado Irrigation Water Supply Summary 2020-2045 (values in acre-feet).....	3.12-19
3.12-3	Estimated Combined Water Demand from Other Existing and Planned Future Uses in the El Dorado Irrigation District Service Area	3.12-21
3.12-4	El Dorado Irrigation District Drought Action Plan Stages and Required Actions	3.12-23
3.12-5	Energy Content by Energy Source	3.12-28
3.12-6	El Dorado County Total and Per Capita Energy Consumption (2022)	3.12-30
3.12-7	Student Generation Factors in the Project Area	3.12-38
3.12-8	Projected Students Generated by the Proposed Project	3.12-38
3.12-9	Current Enrollments and Capacities in the Project Area.....	3.12-39
3.12-10	Wastewater Service Demand from the Proposed Project	3.12-41
3.12-11	Estimated Project Water Demands (2013 WSA)	3.12-51
3.12-12	Summary of Total Estimated Water Demands (Proposed Project and Other Existing and Planned Future Uses) (2013 WSA)	3.12-52
3.12-13	Comparison of Water Supply and Total Demand by Hydrologic Year Type.....	3.12-53
3.12-14	Estimated Annual Operational Energy Consumption for the Proposed Project	3.12-59
3.12-15	Proposed Project Per-Capita Energy Consumption.....	3.12-59
3.13-1	El Dorado Hills CSD Parks Categories	3.13-6
3.13-2	Parkland Levels of Service	3.13-7
3.13-3	Parkland Levels of Service, Cameron Park CSD	3.13-8
3.14-1	Vehicle Miles Traveled in Unincorporated El Dorado County	3.14-9
3.14-2	Village of Marble Valley Specific Plan Land Use	3.14-16
3.14-3	Village of Marble Valley Specific Plan's VMT, Residential Component.....	3.14-16

3.14-4	Village of Marble Valley Specific Plan's VMT, Commercial Office Component.....	3.14-17
3.14-5	Village of Marble Valley Specific Plan's VMT, Commercial Retail Component	3.14-17
3.14-6	Village of Marble Valley Specific Plan's VMT, Residential Component (with Mitigation Measure TRA-2)	3.14-18
4-1	Alternatives Analyzed.....	4-9
4-2	Comparison of Environmental Impacts of Alternatives to the Proposed Project	4-57
5-1	El Dorado County Approved Projects, 2004 County General Plan.....	5-4
5-2	Other Projects	5-6
5-3	Cumulative Traffic Noise on Roadway Segments in the Project Area Vicinity.....	5-19
5-4	Future Wastewater Generation for Deer Creek WWTP	5-23
5-5	Village of Marble Valley Specific Plan's VMT, Residential Component (Cumulative)	5-26
5-6	Village of Marble Valley Specific Plan's VMT, Commercial Office Component (Cumulative)	5-26
5-7	Estimated Maximum Criteria Pollutant Emissions from Construction of Secondary Units (pounds per day)	5-37
5-8	Estimated GHG Emissions from Construction of Secondary Units (metric tons per year).....	5-37
5-9	Estimated Criteria Pollutant Emissions from Operation of Secondary Units (pounds per day)	5-37
5-10	Estimated GHG Emissions from Operation of Secondary Units (metric tons per year).....	5-38

Figures

Figures follow the chapter or section in which they are referenced.

- 2-1 Regional Location
- 2-2 Project Location
- 2-3 Existing Conditions
- 2-4 Proposed Amendment to Community Region
- 2-5 Proposed Land Use Designations
- 2-6 Proposed Zoning
- 2-7 Preliminary Roadway Circulation Plan
- 2-8 Preliminary Trail Circulation Plan
- 2-9 Conceptual Potable Water Plan
- 2-10 Conceptual Recycled Water Plan
- 2-11 Conceptual Wastewater Plan
- 2-12 Interim Phase I Potable Water Improvements
- 2-13 Offsite Infrastructure Improvements
- 2-14 Potential Off-Site Oak Tree Mitigation Areas
- 2-15 Measure E Traffic Improvements
- 3.1-1 Representative Photo and Simulation Locations
- 3.1-2a Representative Photographs (Photos 1 and 2)
- 3.1-2b Representative Photographs (Photos 3 and 4)
- 3.1-2c Representative Photographs (Photos 5 and 6)
- 3.1-2d Representative Photographs (Photos 7 and 8)
- 3.1-2e Representative Photographs (Photos 9 and 10)
- 3.1-2f Representative Photographs (Photos 11 and 12)
- 3.1-2g Representative Photographs (Photo 13)
- 3.1-3 Viewshed Analysis of the Proposed Project from US 50
- 3.1-4 Visual Simulation of the Proposed Project from US 50
- 3.2-1 Naturally Occurring Asbestos in the Planning Area
- 3.3-1 Biological Resources in the VMVSP Study Area
- 3.3-2 Biological Resources Impacts, VMVSP Project Area and Offsite Improvement Areas
- 3.3-3 VMVSP Oak Mitigation Planting Areas
- 3.4-1 Offsite Improvements, Cultural Resources Sensitivity

- 3.5-1 Slope Map
- 3.5-2 Geologic Map of the Project Area Marble Valley
- 3.5-3 Soils in the Project Area
- 3.5-4 Faults in the Region
- 3.6-1 MTP/SCS Map with Village of Marble Valley Location
- 3.8-1 Existing Drainage Features
- 3.8-2 Stormwater Drainage
- 3.9-1 Important Farmland
- 3.10-1 Noise Monitoring Locations in the Project Area
- 3.10-2 Potential Sound Wall Locations
- 3.13-1 Parks in the Project Vicinity
- 3.14-1 Study Area
- 3.14-2 Peak Hour Traffic Volumes and Lane Configurations - Existing Conditions
- 3.14-3 US 50 Freeway Mainline and Ramp Peak Hour Traffic Volumes - Existing Conditions
- 3.14-4 Bicycle Facilities
- 4-1 Alternative 1 No Project Alternative
- 4-2 Alternative 2 Reduced Wetland Impact
- 4-3 Alternative 3 Reduced Development Footprint
- 4-4 Alternative 4 Minimal Oak Impact Alternative
- 5-1 Locations of Cumulative Projects

Acronyms and Abbreviations

2017 Ozone Plan	<i>Sacramento Regional 2008 8-Hour Ozone Attainment and Reasonable Further Progress Plan</i>
AB	Assembly Bill
af	acre-feet
af/ac	acre-feet of water use annually per acre of land
af/du	acre-feet per dwelling unit
AFY	acre-feet per year
Alquist-Priolo Act	Alquist-Priolo Earthquake Fault Zoning Act
AP	Adopted Plan
APN	Assessor's Parcel Number
AP-VMVSP	Adopted Plan-Village of Marble Valley Specific Plan
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
AT	Agriculture Tourism
BAAQMD	Bay Area Air Quality Management District
BAU	business-as-usual
BGEPA	Bald and Golden Eagle Protection Act
BMP	best management practice
BTU	British thermal units
C	Celsius
CAA	Clean Air Act
CAAQS	California ambient air quality standards
CAL FIRE	California Department of Forestry and Fire Protection
CalEEMod	California Emissions Estimator Model
Cal-EPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CAP	climate action plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
Carl Moyer Program	Carl Moyer Memorial Air Quality Standards Attainment Program
CBSC	California Building Standards Code
CCAA	California Clean Air Act
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CDPH	California Department of Public Health

CEC	California Energy Commission
CEDHSP	Central El Dorado Hills Specific Plan
Central Valley Water Board	Central Valley Regional Water Quality Control Board
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CESA	California Endangered Species Act
CFD	Community Facilities District
CFR	Code of Federal Regulations
CH ₄	methane
CIP	capital improvement plan
CNDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNPPA	California Native Plant Protection Act
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CO _{2e}	carbon dioxide equivalent
COG	council of governments
COP21	Conference of Parties
County	El Dorado County
County General Plan	El Dorado County General Plan
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CSD	community services district
CTC	California Transportation Commission
CUWCC	California Urban Water Conservation Council
CVP	Central Valley Project
CWA	Clean Water Act
CWD	County Water District
dB	decibels
dBA	A-weighted decibel
DFM	distribution feeder main
DOF	California Department of Finance
DOSD	State Division of Safety of Dams
DPM	diesel particulate matter
Drainage Manual	<i>County of El Dorado Drainage Manual</i>
DTSC	California Department of Toxic Substances Control
du	dwelling unit
du/ac	dwelling unit per acre

DWR	California Department of Water Resources
EDCAQMD	El Dorado County Air Quality Management District
EDCAQMD CEQA Guidelines	<i>EDCAQMD's Guide to Air Quality Assessment, Determining Significance of Air Quality Impacts Under the California Environmental Quality Act</i>
EDCTA	El Dorado County Transit Authority
EDCTC	El Dorado County Transportation Commission
EDCTDM	El Dorado County Travel Demand Forecasting Model
EDCWA	El Dorado County Water Agency
EDHFD	El Dorado Hills Fire Department
EDHSP	El Dorado Hills Specific Plan
EID	El Dorado Irrigation District
EIR	environmental impact report
EMD	Environmental Management Department
EO	Executive Order
ESA	federal Endangered Species Act
ESL	Environmental Screening Level
F	Fahrenheit
Fed. Reg.	<i>Federal Register</i>
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FILs	facility improvement letters
FIRM	flood insurance rate map
FMMP	Farmland Mapping and Monitoring Program
FPR	facility plan report
General Construction Permit	General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order 2010-0014-DWQ)
GHG	greenhouse gas
GIS	geographic information system
GSA	groundwater sustainability agency
GSP	groundwater sustainability plan
GWP	global warming potential
HCD	California Department of Housing and Community Development
HFC	hydrofluorocarbon
HFHSZ	high fire hazard severity zone
HI	hazard index
HOA	homeowners' association
"Hot Spots" Act	Air Toxics "Hot Spots" Information and Assessment Act of 1987
HPTP	historic properties treatment plan

HSWA	Hazardous and Solid Waste Amendments of 1984
HVAC	heating, ventilation, and air conditioning
HWCA	Hazardous Waste Control Act
Hz	Hertz
I-	Interstate
IBC	International Building Code
IHMP	important habitat mitigation plan
IPCC	Intergovernmental Panel on Climate Change
IWMP	Integrated Waste Management Plan
IWRMP	Integrated Water Resources Master Plan
km	kilometer
kWh	kilowatt-hours
LCFS	low carbon fuel standard
L _{dn}	day-night sound level
LDR	Low-Density Residential
LED	light-emitting diode
LEED	Leadership in Energy and Environmental Design
LID	low-impact development
L _{max}	maximum sound level
L _{min}	minimum sound level
LOS	level of service
LRVHD	Lime Rock Valley Historic District
LRVSP	Lime Rock Valley Specific Plan
LUST	leaking underground storage tank
MBTA	Migratory Bird Treaty Act
MCAB	Mountain Counties Air Basin
MERV	minimum efficiency reporting value
mg/kg	milligrams per kilogram
mgd	million gallons per day
MLD	most likely descendant
MMRP	Mitigation Monitoring and Reporting Program
MOU	Memorandum of Understanding
MPO	metropolitan planning organization
MRF	Material Recovery Facility
MRZ	mineral resource zone
MS4	municipal separate storm sewer system
MTIP	<i>Metropolitan Transportation Improvement Program</i>
MTP	Metropolitan Transportation Plan
MVAD	Marble Valley Archaeological District
MVHLMD	Marble Valley Historic Limestone Mining District

MWELO	Model Water Efficient Landscape Ordinance
N ₂ O	nitrous oxide
NAAQS	national ambient air quality standards
NAHC	Native American Heritage Commission
NCIC	North Central Information Center
NDC	nationally determined contribution
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NMFS	National Marine Fisheries Service
NO	nitric oxide
NO ₂	nitrogen dioxide
NOA	naturally occurring asbestos
NO _x	nitrogen oxides
NP	Neighborhood Park
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRHP	National Register of Historic Places
NWP	nationwide permit
NWPR	Navigable Waters Protection Rule
O&M	operations and maintenance
OHWM	ordinary high water mark
OP	Office Park
OPR	Governor's Office of Planning and Research
ORMP	Oak Resources Management Plan
OS	Open Space
OSMP	Open Space Management Plan
Pb	lead
pCi	picocurie
pCi/L	picocurie per liter
PEV	plug-in electric vehicle
PG&E	Pacific Gas and Electric Company
PM	particulate matter
PM10	particulate matter 10 microns in diameter or less
PM2.5	particulate matter 2.5 microns in diameter or less
ppb	parts per billion
PPV	peak particle velocity
PRC	California Public Resources Code
proposed project	Village of Marble Valley Specific Plan

psi	pounds per square inch
PV	photovoltaic
RCEM	Roadway Construction Emissions Model
RCRA	Resource Conservation and Recovery Act of 1976
Reclamation	U.S. Bureau of Reclamation
Regional Water Board	Regional Water Quality Control Board
RHNA	Regional Housing Needs Allocation
RHNP	Regional Housing Needs Plan
ROG	reactive organic gas
RPS	Renewables Portfolio Standard
RTP	regional transportation plan
SACOG	Sacramento Area Council of Governments
SAFE	Safer Affordable Fuel-Efficient
SB	Senate Bill
SCS	sustainable communities strategy
SCWA	Sacramento County Water Agency
SEL	sound exposure level
SFNA	Sacramento Federal Nonattainment Area
SGMA	Sustainable Groundwater Management Act
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SLCP	short-lived climate pollutant
Small MS4 Permit	Stormwater Discharges from Small Municipal Separate Storm Sewer Systems General Permit No. CAS000004 (Order 2013-001-DWQ)
SMAQMD	Sacramento Metropolitan Air Quality Management District
SMARA	Surface Mining and Reclamation Act of 1975
SMUD	Sacramento Municipal Utility District
SO ₂	sulfur dioxide
SR	State Route
SRA	State Responsibility Area
State Water Board	State Water Resources Control Board
SVP	Society of Vertebrate Paleontology
SWANCC	<i>Solid Waste Agency of Northern Cook County v. United States Army Corps of Engineers</i>
SWMP	stormwater management plan
SWPPP	stormwater pollution prevention plan
TAC	toxic air contaminant
Tanner Act	Toxic Air Contaminant Identification and Control Act
TGPA/ZOU	targeted general plan amendment/zoning ordinance update
TIM	Traffic Impact Mitigation

TMDL	total maximum daily load
TMP	transportation management plan
TNW	traditional navigable waters
TPH	total petroleum hydrocarbons
TR	Tourist Recreational
TRI	Toxic Release Inventory
UAIC	United Auburn Indian Community
UARP	Upper American River Project
Under2 MOU	Global Climate Leadership Memorandum of Understanding
US	U.S. Highway
USACE	U.S. Army Corps of Engineers
USBM	U.S. Bureau of Mines
USC	United States Code
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
UST	underground storage tank
UWMP	Urban Water Management Plan
VC	Village Commercial
VHFHSZ	very high fire hazard severity zone
VMT	vehicle miles traveled
VMVSP	Village of Marble Valley Specific Plan
VOC	volatile organic compounds
VP	Village Park
VRH	Village Residential – High
VRL	Village Residential – Low
VRM	Village Residential – Medium
WDR	waste discharge requirement
WSA	water supply assessment
WTP	water treatment plant
WWFMP	Wastewater Facilities Master Plan
WWTP	wastewater treatment plant
ZNE	zero net energy