



Volume I



SANTA ANA GENERAL PLAN UPDATE



**Recirculated
Draft Program Environmental Impact Report**

State Clearinghouse #2020029087

August 2021

Prepared for:

City of Santa Ana

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Abbreviations and Acronyms

ABBREVIATIONS AND ACRONYMS

| | |
|------------|--|
| AAQS | ambient air quality standards |
| AB | Assembly Bill |
| ACM | asbestos-containing materials |
| ACS | American Community Survey |
| ADT | average daily traffic |
| AELUP | airport environs land use plan |
| af | acre-foot |
| afy | acre-feet per year |
| ALUC | airport land use commission |
| AQMD | air quality management district |
| AQMP | air quality management plan |
| AR4 | <i>Fourth Assessment Report: Climate Change 2007</i> (Intergovernmental Panel on Climate Change) |
| BMP | best management practices |
| BPP | basin production percentage |
| CAFE | corporate average fuel economy |
| CalARP | California Accidental Release Prevention Program |
| CalEPA | California Environmental Protection Agency |
| CAL FIRE | California Department of Forestry and Fire Protection |
| CALGreen | California Green Building Standards Code |
| Cal OES | California Office of Emergency Services |
| Cal/OSHA | California Occupational Safety and Health Administration |
| CalRecycle | California Department of Resources, Recycling, and Recovery |
| Caltrans | California Department of Transportation |
| CAP | climate action plan |
| CARB | California Air Resources Board |
| CBC | California Building Code |
| CCR | California Code of Regulations |
| CDBG | Community Development Block Grants |
| CDFW | California Department of Fish and Wildlife |
| CDR | Center for Demographic Research |
| CEC | California Energy Commission |

Abbreviations and Acronyms

| | |
|------------------|--|
| CEQA | California Environmental Quality Act |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act |
| CFC | California Fire Code |
| CFR | Code of Federal Regulations |
| CGP | Construction General Permit |
| CHRIS | California Historical Resources Information System |
| CIP | capital improvements program |
| CMP | congestion management program |
| CNDDDB | California Natural Diversity Database |
| CNEL | community noise equivalent level |
| CO | carbon monoxide |
| CO _{2e} | carbon dioxide equivalent |
| COG | council of governments |
| CPUC | California Public Utilities Commission |
| CRR | Community Risk Reduction (OCFA department) |
| CTC | California Transportation Commission |
| CUPA | Certified Unified Program Agency |
| dB | decibel |
| dba | A-weighted decibel |
| DOF | Department of Finance (CA) |
| DOT | US Department of Transportation |
| DPM | diesel particulate matter |
| DSOD | Division of Safety of Dams |
| DTSC | Department of Toxic Substances Control |
| DU | dwelling unit |
| DWR | Department of Water Resources (CA) |
| EAP | emergency action plan |
| EDD | California Employment Development Department |
| EIR | environmental impact report |
| EOP | emergency operations plan |
| EPA | United States Environmental Protection Agency |
| EPCRA | Emergency Planning and Community Right-to-Know Act |
| FAA | Federal Aviation Administration |

Abbreviations and Acronyms

| | |
|-----------------|---|
| FAR | Federal Aviation Regulation |
| FEMA | Federal Emergency Management Agency |
| FESA | Federal Endangered Species Act |
| FHSZ | fire hazard severity zone |
| FHWA | Federal Highway Administration |
| FTA | Federal Transit Administration |
| GGUSD | Garden Grove Unified School District |
| GHG | greenhouse gases |
| gpd | gallons per day |
| GPU | General Plan Update |
| GSP | groundwater sustainability plan |
| GWh | gigawatt-hour |
| GWP | global warming potential |
| GWRS | groundwater replenishment system |
| HAA | Housing Accountability Act |
| HCD | California Housing and Community Development Department |
| HCP | habitat conservation plan |
| HOO | housing opportunity ordinance (City) |
| HRC | Historic Resources Commission (City) |
| HUD | US Department of Housing and Urban Development |
| HVAC | heating, ventilating, and air conditioning system |
| IFC | International Fire Code |
| IPCC | Intergovernmental Panel on Climate Change |
| IRWD | Irvine Ranch Water District |
| JWA | John Wayne Airport |
| kWh | kilowatt hour |
| L _{dn} | day-night noise level |
| L _{eq} | equivalent continuous noise level |
| LACM | Natural History Museum of Los Angeles County |
| LBP | lead-based paint |
| LCFS | low-carbon fuel standard |
| LEPC | local emergency planning committee |
| LID | low impact development |

Abbreviations and Acronyms

| | |
|-----------------|---|
| LIP | local implementation plan |
| LOS | level of service |
| LRA | local responsibility area |
| LRTP | long range transportation plan |
| LST | localized significance thresholds |
| MATES | Multiple Air Toxics Exposure Study |
| MEMU | Metro East Mixed Use (Overlay Zone) |
| mgd | million gallons per day |
| MMcf | million cubic feet |
| MMT | million metric tons |
| MPAH | Master Plan of Arterial Highways (OCTA) |
| MPD | master plan of drainage |
| MPO | metropolitan planning organization |
| MPSH | Master Plan of Streets and Highways (City) |
| MRZ | mineral recovery zone |
| MT | metric ton |
| MWD | Metropolitan Water District of Southern California |
| MWDOC | Municipal Water District of Orange County |
| NAGPRA | Native American Graves Protection and Repatriation Act |
| NAHC | Native American Heritage Commission |
| NCCP/HCP | natural communities conservation plan/habitat conservation plan |
| NHMP | natural hazards mitigation plan |
| NHPA | National Historic Preservation Act |
| NO _x | nitrogen oxides |
| NOP | Notice of Preparation |
| NPDES | National Pollution Discharge Elimination System |
| NRHP | National Register of Historic Places |
| O ₃ | ozone |
| OCFA | Orange County Fire Authority |
| OCFCD | Orange County Flood Control District |
| OCHCA | Orange County Health Care Agency |
| OCPW | Orange County Public Works |
| OCSD | Orange County Sanitary District |

Abbreviations and Acronyms

| | |
|-------------|---|
| OCTA | Orange County Transportation Authority |
| OCTAM | Orange County Traffic Analysis Model |
| OCWD | Orange County Water District |
| OEHHA | California Office of Environmental Health Hazard Assessment |
| OHP | Office of Historic Preservation |
| OPR | Governor’s Office of Planning and Research |
| OUSD | Orange Unified School District |
| P-C regions | production-consumption regions |
| PEIR | program environmental impact report |
| PHGA | peak horizontal ground acceleration |
| PHMSA | Pipeline and Hazardous Materials Safety Administration (US) |
| PM | particulate matter |
| ppm | parts per million |
| PPV | peak particle velocity |
| PRC | California Public Resources Code |
| PRD | permit registration document |
| RCRA | Resource Conservation and Recovery Act |
| RHNA | regional housing needs assessment |
| RMS | root mean square |
| RPS | renewable portfolio standard |
| RTP | regional transportation plan |
| RTP/SCS | regional transportation plan / sustainable communities strategy |
| RWQCB | Regional Water Quality Control Board |
| SAMC | Santa Ana Municipal Code |
| SARA | Superfund Amendments and Reauthorization Act |
| SAUSD | Santa Ana Unified School District |
| SB | Senate Bill |
| SCAG | Southern California Association of Governments |
| SCCIC | South Central Coastal Information Center |
| SCD | Statewide Compliance Division |
| SCE | Southern California Edison |
| SCS | sustainable communities strategy |
| SD | specific development |

Abbreviations and Acronyms

| | |
|-----------------|---|
| SERC | State Emergency Response Commission |
| SGMA | California Sustainable Groundwater Management Act |
| SIP | state implementation plan |
| SLF | Sacred Lands File |
| SMARA | Surface Mining and Reclamation Act |
| SMP | sewer master plan |
| SoCAB | South Coast Air Basin |
| SO _x | sulfur oxides |
| SOI | sphere of influence |
| SQMP | stormwater quality management plan |
| SRA | source receptor area (air quality) |
| SRA | state responsibility area (wildfire) |
| SWP | State Water Project |
| SWPPP | Storm Water Pollution Prevention Plan |
| SWRCB | State Water Resources Control Board |
| TAC | toxic air contaminants |
| TCR | tribal cultural resource |
| TDS | total dissolved solids |
| TIA | traffic impact analysis |
| TMDL | total maximum daily load |
| TNM | transportation noise model |
| tpd | tons per day |
| TUSD | Tustin Unified School District |
| UASI | Urban Area Security Initiative |
| USACE | US Army Corps of Engineers |
| USFWS | United States Fish and Wildlife Service |
| USGS | United States Geological Survey |
| UST | underground storage tank |
| UWMP | urban water management plan |
| VdB | velocity decibels |
| VMT | vehicle miles traveled |
| VOC | volatile organic compound |
| WMP | water master plan |

Abbreviations and Acronyms

| | |
|--------|--------------------------------------|
| WQMP | water quality management plan |
| WUI | wildland-urban interface |
| ZE/NZE | zero emissions / near-zero emissions |
| ZNE | zero net energy |