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| | |
|---|---|
| °C | degrees Celsius |
| °F | degrees Fahrenheit |
| $\mu g/m^3$ | micrograms per cubic meter |
| 3D | three-dimensional |
| | |
| AAQS | ambient air quality standard |
| AC | alternating current |
| ACEC | Area of Critical Environmental Concern |
| ACSR | aluminum conductor steel reinforced |
| ADT | average daily traffic |
| AERMOD | American Meteorological Society/Environmental Protection Agency Regulatory Model |
| af | acre-feet |
| AFC | Application for Certification |
| APCD | Air Pollution Control District |
| APCO | Air Pollution Control Officer |
| APE | Area of Potential Effect |
| APN | assessor's parcel number |
| Applicant | SES Solar Two, LLC |
| AS1 | Alternative Site #1 |
| AS2 | Alternative Site #2 |
| AS3 | Alternative Site #3 |
| | |
| BACT | Best Available Control Technology |
| BLM | Bureau of Land Management |
| BMP | Best Management Practice |
| | |
| CAA | Clean Air Act |
| CAAA | Clean Air Act Amendment |
| CADD | computer-aided drafting and design |
| CalARP | California Accidental Release Prevention (Program) |
| CAISO | California Independent System Operator |
| Cal-OSHA | California Occupational Safety and Health Administration |
| Caltrans | California Department of Transportation |
| CARB | California Air Resources Board |
| CBC | California Building Code |
| CCR | California Code of Regulations |
| CDC | California Development Company |
| CDCA | California Desert Conservation Area |
| CDDSRC | Colorado Desert District Stout Research Center |
| CDFG | California Department of Fish and Game |

| | |
|---|---|
| CEC | California Energy Commission |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act of 1980 |
| CEQ | Council on Environmental Quality |
| CEQA | California Environmental Quality Act |
| CFR | Code of Federal Regulations |
| CGS | California Geological Survey |
| CHP | California Highway Patrol |
| CHSC | California Health and Safety Code |
| CNDDB | California Natural Diversity Database |
| CNEL | community noise equivalent level |
| CO | carbon monoxide |
| CPUC | California Public Utilities Commission |
| CRHR | California Register of Historic Resources |
| CSP | concentrating solar power |
| CUP | Conditional Use Permit |
| CUPA | Certified Unified Program Agency |
| CWA | Clean Water Act |
| | |
| dB | decibel |
| dBA | A-weighted decibel |
| DC | direct current |
| DCS | Distribution Control System |
| DEM | Digital Elevation Model |
| DOT | Department of Transportation |
| DPW | Department of Public Works |
| DTSC | (California) Department of Toxic Substances Control |
| DWR | (California) Department of Water Resources |
| | |
| EA | Environmental Assessment |
| EAC | early action compact |
| EMF | electromagnetic field |
| EMS | emergency medical services |
| EPA | Environmental Protection Agency |
| EPRI | Electric Power Research Institute |
| EPS | emergency power supply |
| ERP | Emergency Response Plan |
| ESIL | existing scenic integrity level |
| | |
| FAA | Federal Aviation Administration |
| FEMA | Federal Emergency Management Agency |

| | |
|---|---|
| FHWA | Federal Highway Administration |
| FIRM | Flood Insurance Rate Map |
| FLPMA | Federal Land Policy and Management Act |
| | |
| g/hp-hr | gram per horsepower hour |
| GIS | geographical information system |
| GPA | General Plan Amendment |
| gpm | gallons per minute |
| GPS | Global Positioning System |
| GSU | generator step-up unit |
| | |
| HMBP | Hazardous Materials Business Plan |
| HMMP | Hazardous Materials Management Program |
| HP | horsepower |
| HRA | health risk assessment |
| HVAC | heating, ventilation, and air-conditioning |
| Hz | hertz |
| | |
| I-8 | Interstate 8 |
| IBC | International Building Code |
| ICAPCD | Imperial County Air Pollution Control District |
| IEEE | Institute of Electrical and Electronic Engineers |
| IGCC | integrated gasification combined cycle |
| IID | Imperial Irrigation District |
| IIPP | Injury and Illness Prevention |
| IM | Instruction Memorandum |
| | |
| JHA | Job Hazard Analysis |
| | |
| KOP | key observation point |
| KRGA | known geothermal resource area |
| kV | kilovolt(s) |
| kV/m | kilovolt(s) per meter |
| | |
| LACM | Natural History Museum of Los Angeles County |
| $L_{eq}$ | equivalent sound level |
| LID | low impact development |
| LORS | laws, ordinances, regulations, and standards |
| LOS | level of service |
| LUO | Land Use Ordinance |

| | |
|---|---|
| MCC | Motor Control Center |
| mg/L | milligram(s) per liter |
| MOU | Memorandum of Understanding |
| MVA | mega volt amperes |
| MW | megawatt(s) |
| | |
| NAF | Naval Air Facility |
| NAHC | Native American Heritage Commission |
| NEC | National Electrical Code |
| NEMA | National Electrical Manufacturer's Association |
| NEPA | National Environmental Policy Act of 1969 |
| NFPA | National Fire Protection Association |
| NNSR | Nonattainment New Source Review |
| $NO_2$ | nitrogen dioxide |
| $NO_x$ | nitrogen oxides |
| NPDES | National Pollutant Discharge Elimination System |
| NRCS | Natural Resources Conservation Service |
| NRHP | National Register of Historic Places |
| NRPB | National Radiological Protection Board |
| NSPS | new source performance standards |
| NTR | NTR plc |
| NWS | national weather service |
| | |
| O&M | operation and maintenance |
| $O_3$ | ozone |
| OCA | Off-site Consequences Analysis |
| OEHHA | Office of Environmental Health Hazard Assessment |
| OHV | off-highway vehicle |
| OLM | ozone-limiting method |
| OSHA | Occupational Safety and Health Administration |
| OWS | oil and water separator |
| | |
| P.L. | Public Law |
| PCE | passenger car equivalent |
| PCU | Power Conversion Unit |
| PG | Professional Geologist |
| $PM_{10}$ | particulate matter less than 10 microns in diameter |
| $PM_{2.5}$ | particulate matter less than 2.5 microns in diameter |
| PPA | Power Purchase Agreement |
| PPE | personal protective equipment |

| | |
|---|---|
| ppm | parts per million |
| PRC | (California) Public Resources Code |
| Project | Solar Two Project and its ancillary systems |
| PSD | Prevention of Significant Deterioration |
| psi | pound(s) per square inch |
| PTO | permit to operate |
| PWL | power level |
| | |
| R | Range |
| RCRA | Resource Conservation and Recovery Act |
| REC | Recognized Environmental Conditions |
| REL | reference exposure level |
| RFQ | Request for Qualifications |
| RMP | Risk Management Plan |
| RO | reverse osmosis |
| ROW | right-of-way |
| RPS | Renewable Portfolio Standards |
| RWQCB | Regional Water Quality Control Board |
| | |
| S 80 | Evan Hewes Highway |
| SAM | Social Accounting Matrix |
| SCADA | Supervisory Control and Data Acquisition |
| SCAG | Southern California Association of Governments |
| SCAQMD | South Coast Air Quality Management District |
| SCS | Soil Conservation Service |
| SDG&E | San Diego Gas & Electric |
| SHAP | standards for hazardous air pollutants |
| SIP | State Implementation Plan |
| $SO_2$ | sulfur dioxide |
| Solar Two | SES Solar Two, LLC |
| SPA | Specific Planning Area |
| SR | State Route |
| SPL | sound pressure level |
| STATSGO | State Soil Geographic Database |
| SVP | Society of Vertebrate Paleontology |
| SWPPP | Storm Water Pollution Prevention Plan |
| SWRCB | State Water Resources Control Board |
| | |
| T | Township |
| TAC | toxic air contaminants |

| | |
|---|---|
| T-BACT | Toxic Best Available Control Technology |
| TDS | total dissolved solids |
| THI | total hazard index |
| TSP | total suspended particulate |
| TTC | temporary traffic control |
| TWA | time-weighted average |
| | |
| U.S. | United States |
| UBC | Uniform Building Code |
| UCMP | University of California Museum of Paleontology |
| UPS | uninterruptible power supply |
| US 98 | United States Highway 98 |
| USACE | United States Army Corps of Engineers |
| USC | United States Code |
| USFS | United States Forest Service |
| USFWS | United States Fish and Wildlife Service |
| USGS | United States Geological Survey |
| | |
| V/m | volt(s) per meter |
| V | volt |
| VAC | volts alternating current |
| VDC | volts direct current |
| VRM | Visual Resource Management |
| VRMM | visual resource mitigation measures |
| VSOI | visual sphere of influence |
| | |
| $W/m^2$ | watts per square meter |
| WDR | Waste Discharge Requirements |
| | |
| YBP | years before present |
| | |
| ZLD | zero-liquid discharge |