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**ACRONYMS**

| | |
|---|---|
| °C | Degrees Celsius |
| °F | Degrees Fahrenheit |
| µg/m$^3$ | Micrograms per Cubic Meter |
| 3D | Three-Dimensional |
| | |
| A | Ampere |
| AAC | All Aluminum Cable |
| AAQS | Ambient Air Quality Standard |
| AC | Alternating Current |
| ACEC | Area of Critical Environmental Concern |
| ACSR | Aluminum Conductor Steel Reinforced |
| ADT | Average Daily Traffic |
| A&E | Architectural and Engineering Design Firm |
| 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 Three, LLC and SES Solar Six, LLC |
| AS1 | Alternative Site #1 |
| AS2 | Alternative Site #2 |
| AS3 | Alternative Site #3 |
| ASHRAE | American Society of Heating, Refrigerating and Air-Conditioning Engineers |
| ATS | Advanced Tracking System |
| | |
| BACT | Best Available Control Technology |
| BLM | Bureau of Land Management |
| BMP | Best Management Practice |
| BNSF | Burlington Northern Santa Fe |
| | |
| 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 |
| CDD | California Desert District |
| 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 |
| CMAR | Construction Manager Contractor at Risk |
| CNDDB | California Natural Diversity Database |
| CNEL | Community Noise Equivalent Level |
| CO | Carbon Monoxide |
| $CO_2$ | Carbon Dioxide |
| COC | Conditions of Certification |
| CPCN | Certificate of Public Convenience and Necessity |
| 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 |
| DECC | Dish Engine Critical Component |
| DEM | Digital Elevation Model |
| DHS | California Department of Water Resources |

| | |
|---|---|
| DOT | Department of Transportation |
| DPW | Department of Public Works |
| DTSC | (California) Department of Toxic Substances Control |
| DVAR | Dynamic VAR |
| DWR | (California) Department of Water Resources |
| | |
| EA | Environmental Assessment |
| EAC | Early Action Compact |
| EIS | Environmental Impact Statement (federal) |
| EMF | Electromagnetic Field |
| EMS | Emergency Medical Services |
| EMT | Emergency Medical Technician |
| 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 |
| FIS | Flood Insurance Study |
| FLPMA | Federal Land Policy and Management Act |
| FMEA | Failure Mode Effect Analysis |
| | |
| g/hp-hr | Gram per Horsepower Hour |
| GENSET | Diesel Powered Backup Generator |
| GIS | Geographical Information System |
| GPA | General Plan Amendment |
| Gpd | Gallons per Day |
| gpm | Gallons per Minute |
| GPS | Global Positioning System |
| GSU | Generator Step-Up Unit |
| | |
| HAZCOM | Hazards Communication Program |
| HID | High Intensity Discharge |
| 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-40 | Interstate 40 |
| IBC | International Building Code |
| ID | Identification Number |
| IEEE | Institute of Electrical and Electronic Engineers |
| IGCC | integrated gasification combined cycle |
| IIPP | Injury and Illness Prevention |
| IM | Instruction Memorandum |
| ISO | Independent System Operator |
| | |
| JHA | Job Hazard Analysis |
| | |
| kCM | Thousand Circular Mils |
| KOP | Key Observation Point |
| KRGA | Known Geothermal Resource Area |
| kV | Kilovolt(s) |
| kVA | Kilovolt-amperes |
| kV/m | Kilovolt(s) per Meter |
| kW | Kilowatt |
| kWe | Kilowatt-electric |
| | |
| $L_{eq}$ | Equivalent Sound Level |
| LID | Low Impact Development |
| LLC | Limited Liability Corporation |
| 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 |
| MTBF | Mean Time Between Failures |
| MVA | Mega Volt Amperes |
| MW | Megawatt(s) |
| | |
| NAHC | Native American Heritage Commission |
| NEC | National Electrical Code |
| NEMA | National Electrical Manufacturer's Association |

| | |
|---|---|
| NEPA | National Environmental Policy Act of 1969 |
| NERC | North American Electric Reliability Council |
| 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 |
| NRPI | National Resource Projects Inventory |
| 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 |
| OSSF | On-Site Sewage Facility |
| 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 |
| POD | Plan of Development |
| PPA | Power Purchase Agreement |
| PPE | Personal Protective Equipment |
| ppm | Parts per Million |
| PRC | (California) Public Resources Code |
| Project | Solar One Project and its ancillary systems |
| PSD | Prevention of Significant Deterioration |
| psi | Pound(s) per Square Inch |
| PTO | Permit to Operate |

| | |
|---|---|
| PWL | Power Level |
| QA | Quality Assurance |
| QC | Quality Control |
| | |
| R | Range |
| RCRA | Resource Conservation and Recovery Act |
| REC | Recognized Environmental Conditions |
| REL | Reference Exposure Level |
| RFP | Request for Proposal |
| RFQ | Request for Qualifications |
| RMP | Risk Management Plan |
| RO | Reverse Osmosis |
| ROD | Record of Decision |
| ROW | Right-of-Way |
| RPS | Renewable Portfolio Standards |
| RR | Railroad |
| RWQCB | Regional Water Quality Control Board |
| | |
| SAM | Social Accounting Matrix |
| SC | Sediment Control Techniques |
| SCADA | Supervisory Control and Data Acquisition |
| SCAG | Southern California Association of Governments |
| SCAQMD | South Coast Air Quality Management District |
| SCE | Southern California Edison Company |
| SDSS | Solar Dish Stirling System |
| SES | Stirling Energy Systems |
| SHAP | Standards for Hazardous Air Pollutants |
| SIP | State Implementation Plan |
| SIS | System Impact Study |
| SMACNA | Sheet Metal and Air Conditioning Contractors' National Association |
| $SO_2$ | Sulfur Dioxide |
| SPA | Specific Planning Area |
| SPCC | Spill Prevention Control and Countermeasures |
| SPL | Sound Pressure Level |
| SPS | Special Protection System |
| SR | State Route |
| SS | Soil Stabilization Techniques |
| STATSGO | State Soil Geographic Database |
| STCC | Standard Transportation Commodity Code |
| 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 |
| TC | Tracking Control Techniques |
| 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 |
| 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 |
| VAR | Volt-Amperes Reactive |
| 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 |
| WBAN | Weather Bureau Army Navy |
| WDR | Waste Discharge Requirements |
| WE | Wind Erosion |
| WSA | Wilderness Study Area |
| WSCC | |
| | |
| YBP | Years Before Present |
| ZLD | Zero-Liquid Discharge |