**WORK SCOPE**

**ATTACHMENT C**

**Glossary of Terms and Acronyms**

This attachment includes a list of common technical terms, words, phrases and acronyms used in Energy Commission work. Contractor shall be familiar with and able to interpret and translate these terms. From time to time, the Energy Commission may update the glossary of terms, to include new terms, delete obsolete terms or revise existing terms. The CAM will provide an updated glossary to Contractor and review the changes with Contractor. Contractor shall ensure that all interpreters and translators who provide service under this Agreement have a copy of the current glossary, and are familiar with and able to interpret/translate these terms competently.

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| **Acronyms** | **Definitions** |
| µg/m³ | Microgram per Cubic Meter |
| AAC | All Aluminum Conductor |
| AAEE | Additional Achievable Energy Efficiency |
| AAQS | Ambient Air Quality Standard |
| AB | Assembly Bill |
| AC | Alternating Current |
| ACE | Argus Congeneration Expansion Project |
| ACEC | Area of Critical Environmental Concern |
| ACM | Alternative Calculation Method |
| ACR | Annual Compliance Report |
| ACSR | Aluminum Conductor Steel-Reinforced |
| ACSS | Aluminum Conductor Steel-Supported |
| ACT | Advanced Combustion Technology |
| ACWA | Association of California Water Districts |
| ADT | Average Daily Traffic |
| AEC | Alamitos Energy Center |
| AERMOD | AMS/EPA Regulatory Model |
| AF | Acre Feet (water measure) |
| afa | Acre Feet per Acre |
| AFC | Application for Certification |
| AFY | Acre Feet per Year |
| AHSM | Advanced Horizontal Storage Modules |
| AMI | Advanced Metering Infrastructure |
| AMP | Aging Management Program |
| Ampacity | Current-carrying capacity, expressed in amperes, of a conductor at specified ambient conditions, at which damage to the conductor is nonexistent or deemed acceptable based on economic, safety, and reliability considerations |
| Ampere | The unit of current flowing in a conductor |
| ANSI | American National Standards Institute  |
| APCB | Air Pollution Control Board |
| APCD | Air Pollution Control District |
| APCO | Air Pollution Control Officer |
| AQ | Air Quality |
| AQCMM | Air Quality Construction Mitigation Manager |
| AQCMP | Air Quality Construction Mitigation Plan |
| AQIP | Air Quality Improvement Program |
| AQMD | Air Quality Management District |
| AQMP | Air Quality Management Plan |
| ARB or CARB | Air Resources Board (often used as CARB - California Air Resources Board) |
| ARCCA | Alliance of Regional Collaboratives for Climate Adaptation |
| ARFVTP | Alternative & Renewable Fuel & Vehicle Technology Program |
| ARPA-E | Advanced Research Projects Agency - Energy |
| ARRA | American Recovery & Reinvestment Act  |
| ASME | American Society of Mechanical Engineers |
| AST | Above Ground Storage Tank |
| ATC | Authority to Construct |
| ATTE Center | Advanced Transportation Technology & Energy Center |
| BAAQMD | Bay Area Air Quality Management District |
| BACT | Best Available Control Technology |
| BCDC | Bay Conservation and Development Commission |
| BCF | Billion Cubic Feet |
| Bcfd | Billion Cubic Feet per Day |
| BEV | Battery-Electric Vehicle |
| BLM | U.S. Bureau of Land Management |
| BMP Manual | Best Management Practices Manual |
| BMP's  | Best Management Practices |
| BNLL | Blunt Nose Leopard Lizard |
| BOE | Barrel of Oil Equivalent or State Board of Equalization |
| BOEM | Bureau of Ocean Energy Management  |
| BPA | U.S. Bonneville Power Administration  |
| BRMIMP | Biological Resources Mitigation Implementation & Monitoring Plan |
| Btu or MMBtu | British Thermal Unit (also MMBtu - Million British Thermal Unit) |
| Bundle | Two wires, 18 inches apart |
| Bus | Conductors that serve as a common connection for two or more circuits |
| BVWSD | Buena Vista Water Storage District |
| CAA  | Clean Air Act or U.S. Clean Air Act |
| CAAQS | California Ambient Air Quality Standards |
| CaFCP | California Fuel Cell Partnership |
| CA-GREET | California Greenhouse Gases, Regulated Emissions & Energy Use in Transportation Model |
| CAISO or ISO | California Independent System Operator (also CALISO) |
| Cal/OSHA | California Occupational Safety & Health Administration |
| CalEPA | California Environmental Protection Agency |
| CalRecycle  | California Department of Resources Recycling & Recovery |
| CALTRANS | California Department of Transportation |
| CARB or ARB | California Air Resources Board (ARB - Air Resources Board) |
| CAT  | Climate Action Team |
| CBD | Center for Biological Diversity |
| CBE | Communities for a Better Environment |
| CBO or DCBO | Chief Building Official (DCBO - Delegate Chief Building Official)  |
| CCAA | California Clean Air Act |
| CCC | California Coastal Commission |
| CCCC  | California Climate Change Center |
| CCCCO | California Community Colleges Chancellor's Office |
| CCCG  | Combined Cycle Coal Gasifier |
| CCGT | Combined Cycle Gas Turbine |
| CCPA | Central California Power Agency |
| CCPI | Clean Coal Power Initiative Program |
| CCR | California Code of Regulations |
| CCT | Clean Coal Technology |
| CCTAG | Climate Change Technical Advisory Group |
| CDF | California Department of Forestry/Finance |
| CDFW | California Department of Fish & Wildlife (formerly Department of Fish & Game) |
| CEC  | California Energy Commission (or Energy Commission) |
| CEDU | California Energy Demand Updated Forecast |
| CEMS | Continuous Emission Monitoring System |
| CEQA | California Environmental Quality Act |
| CERCDC | California Energy Resources Conservation & Development Commission (CEC) |
| CF | Cubic Feet |
| cf | Capacity Factor |
| CFM or cfm | Cubic Feet per Minute  |
| CFR | Code of Federal Regulations |
| cfs | Cubic Feet per Second |
| CH₄ | Methane |
| CHIT | California Hydrogen Infrastructure Tool |
| CIWMB | California Integrated Waste Management Board (now Cal Recycle) |
| Climate-ADAPT | Climate Adaptation Platform |
| CNG | Compressed Natural Gas |
| CNRA | California Natural Resources Agency |
| CO | Carbon Monoxide |
| CO₂ | Carbon Dioxide |
| CO₂E | Carbon Dioxide Equivalent |
| COC | Condition of Certification |
| Conductor | The part of the transmission line (the wire) that carries the current |
| Congestion management | A scheduling protocol, which provides that dispatched generation and transmission loading (imports) will not violate criteria |
| Co-op | Electric Cooperative |
| COPs | Conferences of the Parties |
| CPCN | Certificate of Public Convenience & Necessity |
| CPM | Compliance Project Manager (CEC) |
| CPP | United States Clean Power Plan |
| CPUC or PUC | California Public Utilities Commission |
| CRHR | California Register of Historical Resources |
| CRMMP | Cultural Resources Monitoring & Mitigation Plan |
| CSI | California Solar Initiative  |
| CSLC | California State Lands Commission |
| CSP | Concentrating Solar Power |
| CSPA | California Sportfishing Protection Alliance |
| CTG | Combustion Turbine Generator |
| CUPA | Certified Unified Participating Agency  |
| CURE | California Unions for Reliable Energy |
| CVP | Central Valley Project |
| CVRP  | Clean Vehicle Rebate Project |
| CWDB | California Workforce Development Board |
| CWMA | California Integrated Waste Management Act |
| DB | Decibel |
| dB | A weighted sound level |
| dBa | Decibel on the A scale |
| DC | Direct Current |
| DCBO or CBO | Delegate Chief Building Official (CBO - Chief Building Official) |
| Degrees F | Degrees Fahrenheit |
| DEIR | Draft EIR |
| DEIS | Draft EIS |
| DER | Distributed Energy Resources |
| DGE | Diesel Gallon-Equivalent |
| Diablo Canyon | Diablo Canyon Power Plant |
| DOC or PDOC | Determination of Compliance (also PDOC - Preliminary)  |
| DOE | Department of Energy (also U.S. Department of Energy) |
| DOGGR | Division of Oil, Gas & Geothermal Resources (also Department of Conservation) |
| Double-contingency condition | Also known as emergency or N-2 condition, a forced outage of two system elements usually (but not exclusively) caused by one single event; examples of an N-2 contingency include loss of two transmission circuits on a single tower line or loss of two elements connected by a common circuit breaker due to the failure of that common breaker |
| DR | Demand Response |
| DRECP | Desert Renewable Energy Conservation Plan |
| DRP | Distribution Resource Plan |
| DSCFM | Dry Standard Cubic Feet per Minute |
| DTSC | California Department of Toxic Substances Control |
| DWP or LADWP | L.A. Department of Water & Power (LADWP) |
| DWR | California Department of Water Resources |
| ECM | Energy Conservation Measure |
| EDD | Employment Development Department |
| EDF | Environmental Defense Fund |
| EE | Energy Efficiency |
| EIM | Energy Imbalance Market |
| EIR or FEIR | Environmental Impact Report |
| EIS | Environmental Impact Statement, U.S. |
| EJ | Environmental Justice |
| Emergency overload | See single-contingency condition; this is also called an N-1 condition |
| EMF | Electromagnetic Fields |
| EOR | Enhanced Oil Recovery |
| EPA or USEPA | Environmental Protection Agency (also USEPA - U.S) |
| EPIC  | Electric Program Investment Charge |
| EPR | Environmental Performance Report |
| EPS | Emission Performance Standard |
| ERC | Emission Reduction Credit |
| ESA | Environmental Site Assessment (also Federal Endangered Species Act or Environmentally sensitive area) |
| ESHA | Environmental Sensitive Habitat Area |
| ETP | Employment Training Panel |
| EVCS | Electric Vehicle Charging Station |
| FAA | Federal Aviation Administration |
| FAST Act | Fixing America's Surface Transportation Act |
| FCEV | Fuel Cell Electric Vehicle |
| FDOC | Final Determination of Compliance  |
| FEIR or EIR | Final Environmental Impact Report |
| FERC | Federal Energy Regulatory Commission (formerly FPC) |
| FFV | Flex-Fuel Vehicle |
| FONSI | Findings of No Significant Impact |
| FSA or SA | Final Staff Assessment (also SA - Staff Assessment) |
| Ft³/s | Cubic Feet per Second |
| FY | Fiscal Year |
| GCC | Global Climate Change |
| gCO₂e/MJ | Grams of Carbon Dioxide-Equivalent per Megajoule |
| GFO  | Grant Funding Opportunity |
| GGE | Gasoline Gallon-Equivalent |
| GGRF | Greenhouse Gas Reduction Fund |
| GHG | Greenhouse Gas |
| GP | General Plan |
| gr/scf | Grains per Standard Cubic Foot (7,000 grains = 1 pound) |
| GVW | Gross Vehicle Weight |
| GVWR | Gross Vehicle Weight Rating |
| GWh | Gigawatt Hour |
| GWP | Global Warming Potential |
| H₂S | Hydrogen Sulfide |
| HAO | Hearing Advisers Office (CEC) |
| HBEP | Huntington Beach Energy Project |
| HBGS | Huntington Beach Generating Station |
| HDD | Horizontal Directional Drilling |
| HFC | Hydrofluorocarbons |
| HMBP | Hazardous Materials Business Plan |
| HR | Heat Rate |
| HRA | Health Risk Assessment |
| HRSG | Heat Recovery Steam Generator |
| HSC | Health and Safety Code |
| HTF | Heat Transfer Fluid |
| HVAC | Heating, Ventilating & Air Conditioning |
| HVDC | High-Voltage Direct Current |
| HVIP | Hybrid & Zero-Emission Truck & Bus Voucher Incentive Project |
| I&M | Inspection & Maintenance |
| ICGCC | Integrated Coal Gasification Combined Cycle Power Plant |
| IDER | Integrated Distributed Energy Resources |
| IEP | Independent Energy Producers |
| IEPR | Integrated Energy Policy Report |
| IGCC | Integrated Gasification (or Gasifier) Combined Cycle |
| IID | Imperial Irrigation District |
| INDC | Intended Nationally Determined Contributions |
| INFORM  | Integrated Forecast & Reservoir Management System |
| IOU | Investor-Owned Utility |
| IPCC  | Intergovernmental Panel on Climate Change |
| IRP | Integrated Resource Plan |
| IS | Initial Study |
| IS/ND | Initial Study/Negative Declaration (often referred to as Neg Dec) |
| ISFSI | Independent Spent Fuel Storage Installations |
| ISO or CAISO | Independent System Operator (also CALISO - CA Independent System Operator) |
| ISOCA | ISO Control Area |
| IWMB | Integrated Waste Management Board |
| JASC | Joint Agency Steering Committee |
| KCAPCD | Kern County Air Pollution Control District |
| kcmil | One-Thousand Circular Mil  |
| KCWA | Kern County Water Agency |
| kV | Kilovolt  |
| kW | Kilowatt |
| kWh | Kilowatt hour |
| KWp | Peak kilowatt |
| LADWP or DWP | Los Angeles Department of Water & Power |
| LARWQCB | Los Angeles Regional Water Quality Control Board |
| LAX | Los Angeles International Airport |
| lb/mmscf | Pounds per Million Standard Cubic Feet |
| LBNL | Lawrence Berkeley National Laboratory |
| lbs | Pounds |
| LCA  | Local Capacity Area |
| LCAAT | Local Capacity Area Accounting Tool |
| LCAPCD | Lake County Air Pollution Control District |
| LCAPCO | Lake County Air Pollution Control Officer |
| LCFS | Low Carbon Fuel Standard |
| LCTI | Low Carbon Transportation Investments |
| LDC | Load Duration Curve (also Local Distribution Company) |
| LDN or DNL | Day-Night Noise Level |
| Leq | Equivalent Sound Pressure Level (also Equivalent Noise Level) |
| LHV | Lower Heating Value |
| LLC | Limited Liability Company |
| Ln | Percentile Noise Level |
| LNG | Liquefied Natural Gas |
| LOCA | Localized Constructed Analogues |
| Loop | An electrical cul-de-sac; a transmission configuration that interrupts an existing circuit, diverts it to another connection, and returns it back to the interrupted circuit, thus forming a loop or cul-de-sac |
| LORS | Laws, Ordinances, Regulations & Standards |
| LOS | Level of Service |
| LP  | Low-Pressure |
| LTPP | Long-Term Procurement Planning |
| LUPA | Land Use Plan Amendment |
| m (M) | Meter, million, mega, or milli |
| M&O | Maintenance & Operating |
| m/s | Meters per Second |
| MATS  | Mercury & Air Toxics Standards |
| mb/d | Millions of Barrels per Day |
| MBUAPCD | Monterey Bay Unified Air Pollution Control Dist. |
| MCE | Maximum Credible Earthquake |
| MCF | Thousand Cubic Feet |
| MCL | Maximum Containment Level |
| MCR | Monthly Compliance Report |
| MCR | Maximum Compliance Report |
| MEC | Metcalf Energy Center |
| Megavar | One Megavolt Ampere Reactive |
| MEI | Maximally Exposed Individual |
| mG | Milligauss |
| mg/L | Milligrams per Liter |
| mg/m³ | Milligrams per Cubic Meter |
| MGD  | Million Gallons per Day |
| MID | Modesto Irrigation District |
| MJ | Megajoule |
| MLDs | Most Likely Descendants (Native Americans) |
| MM | Million |
| mmb/d | Million Barrels per Day |
| MMBtu | Million British Thermal Units |
| MMBtu/hr | Million British Thermal Units per Hour |
| MMCF | Million Cubic Feet |
| MMcfd | Million Cubic Feet per Day |
| MMTCO₂e | Million Metric Tons of Carbon Dioxide-Equivalent |
| MOU | Memorandum of Understanding |
| MPC | Multipurpose Canister |
| MPE | Maximum Probable Earthquake |
| MQ | Minimum Qualifications |
| MREC | Mission Rock Energy Center |
| MRF | Material Recovery Facility |
| MRV | Monitoring, Reporting & Verification Plan |
| MT | Metric Tons |
| MTCO₂E | Metric Tons of CO₂-Equivalent |
| MTU | Metric Tons of Uranium |
| MVA | Megavolt Ampere |
| MVAR | Mega Unit of Reactive Power |
| MW | Megawatt |
| MWh | Megawatt Hour |
| N-0 condition | See normal operation/normal overload |
| N-1 condition | Single contingency, transmission element or generator out of service (see single-contingency condition) |
| N-2 condition | Two major elements of the grid out of service (see double-contingency condition) |
| N₂O | Nitrous Oxide |
| NAAQS | National Ambient Air Quality Standards |
| NAHC | Native American Heritage Commission |
| NAM | Native American Monitors |
| NAS | Naval Air Station |
| NASA | National Aeronautics & Space Administration |
| NCPA | Northern California Power Agency |
| NCRWQCB | North Coast Regional Water Quality Control Board |
| NEC | National Electrical Code |
| NEM | Net Energy Metering |
| NEPA | National Environmental Policy Act |
| NERC | National Electric Reliability Council |
| NESC | National Electric Safety Code |
| NGVIP | Natural Gas Vehicle Incentive Project |
| NH₃ | Ammonia |
| NMFS | National Marine Fisheries Service |
| NO | Nitric Oxide |
| NO₂ | Nitrogen Dioxide |
| NOAA  | National Oceanic & Atmospheric Administration |
| NOD | Notice of Decision |
| NOI | Notice of Intent |
| NOP | Notice of Preparation (of EIR) |
| NOPA | Notice of Proposed Award |
| Normal operation/ normal overload (N-0)  | When all customers receive the power they are entitled to without interruption and at steady voltage, and no element of the transmission system is loaded beyond its continuous rating |
| NOV |  Notice of Violation |
| NOₓ | Nitrogen Oxides |
| NPDES | National Pollutant Discharge Elimination System |
| NPR | Naval Petroleum Reserve |
| NRC | Nuclear Regulatory Commission |
| NRDC | Natural Resources Defense Council |
| NREL | National Renewable Energy Laboratory |
| NSPS | New Source Performance Standard |
| NSR | New Source Review (also Non-Spinning Reserve) |
| NYMEX | New York Mercantile Exchange |
| O&M | Operations & Maintenance |
| O₂ | Oxygen |
| O₃ | Ozone |
| OEHHA | Office of Environmental Health Hazard Assessment |
| OEHI or OXY | Occidental of Elk Hills, Inc. |
| OFO | Operational Flow Order |
| OPC | California Ocean Protection Council |
| OPR | Governor's Office of Planning & Research |
| OSHA | Occupational Safety & Health Administration (or Act) |
| OSP | Out-of-State Power |
| OTC | Once-Through Cooling |
| Outlet | Transmission facilities (e.g. circuit, transformer, circuit breaker) linking generation facilities to the main grid |
| PADD5 | Petroleum Administration for Defense District Five |
| PAO | Public Adviser's Office, CEC |
| PCE | Passenger Car Equivalent |
| PCFFA | Pacific Coast Federation of Fishermen's Associations |
| PCH | Pacific Coast Highway |
| PDOC or DOC | Preliminary Determination of Compliance (also DOC)  |
| PE | Professional Engineer |
| PEL | Permissible Exposure Limit |
| PEV | Plug-In Electric Vehicle |
| pf | Power Factor |
| PF | Power Flow |
| PFBC | Pressurized Fluidized Bed Combustion |
| PFC | Perfluorocarbons |
| PG&E | Pacific Gas & Electric |
| PGA | Peak Ground Acceleration |
| PHC | Prehearing Conference |
| PHEV | Plug-In Hybrid Electric Vehicle |
| PIER | Public Interest Energy Research |
| PM | Particulate Matter (also Project Manager) |
| PM10 | Particulate Matter less than 10 microns in diameter |
| PM2.5 | Particulate Matter less than 2.5 microns in diameter |
| PMPD | Presiding Members Proposed Decision |
| PON | Program Opportunity Notice |
| POU | Publicly Owned Utility |
| Power flow analysis | A power flow analysis is a forward-looking computer simulation of essentially all generation and transmission system facilities that identifies overloaded circuits, transformers, and other equipment and system voltage levels |
| PPA | Power Purchase Agreement |
| ppb | Parts per Billion |
| PPE | Personal Protective Equipment |
| ppm | Parts Per Million |
| ppmv | Parts Per Million by Volume |
| ppmvd | Parts Per Million by Volume, Dry |
| ppt | Parts per Trillion |
| PRA | Probabilistic Risk Assessment |
| PRC | California Public Resources Code |
| PRMMP | Paleontological Resource Monitoring & Mitigation Plan |
| PSA | Preliminary Staff Assessment |
| PSD | Prevention of Significant Deterioration |
| PSI | Pollution Standards Index |
| Psig | Pounds per Square Inch Gauge |
| PTA | Petition to Amend |
| PTC | Permit to Construct |
| PTE | Potential to Emit |
| PTO | Permit to Operate |
| PUC or CPUC | Public Utilities Commission |
| PURPA | Federal Public Utilities Regulatory Policy Act of 1978 |
| PV | Photovoltaic |
| PVC | Polyvinyl Chloride |
| PVMRM | Plume Volume Molar Ratio Method |
| QA/QC | Quality Assurance/ Quality Control |
| QF | Qualifying Facility |
| QFs | Qualified Facilities |
| QSR | Quarterly Status Report |
| R&D | Research & Development |
| RCPs | Representative Concentration Pathways |
| RD&D | Research Development & Demonstration |
| RDEIR | Revised Draft EIR |
| Reactive power | Reactive power is generally associated with the reactive nature of motor loads that must be fed by generation units in the system; an adequate supply of reactive power is required to maintain voltage levels in the system |
| REAT | Renewable Energy Action Team |
| RECLAIM | Regional Clean Air Incentives Market |
| REL | Reference Exposure Limit |
| Remedial action scheme (RAS) | A remedial action scheme is an automatic control provision, which, for instance, will trip a selected generating unit upon a circuit overload |
| RETI | Renewable Energy Transmission Initiative |
| RF | Radio Frequency |
| RFP | Request for Proposal |
| RFQ | Request for Qualifications |
| RFS | Renewable Fuel Standard |
| RIN | Renewable Identification Number |
| RMP | Risk Management Plan |
| RMR | Reliability Must Run Generation |
| RO | Reverse Osmosis |
| ROC | Report of Conversation (also Reactive Organic Compounds) |
| ROD | Record of Decision |
| ROG | Reactive Organic Gases |
| ROW | Rights-Of-Way |
| RPM | Revolutions per Minute |
| RPMPD | Revised Presiding Members Proposed Decision |
| RPS | Renewables Portfolio Standard |
| RQ | Reportable Quantities |
| RR | Railroad (also Renewable Resource) |
| RTP | Real Time Pricing |
| RWQCB | Regional Water Quality Control Board |
| S.P. | Southern Pacific |
| S0₂ | Sulfur Dioxide |
| SA or FSA | Staff Assessment (FSA - Final) |
| SACCWIS | Statewide Advisory Committee on Cooling Water Intake Structures |
| San Onofre | San Onofre Nuclear Generating Station |
| SANDAG | San Diego Association of Governments |
| SAT | Site Acceptance Test |
| SB | Senate Bill |
| SCAQMD | South Coast Air Quality Management District |
| SCE | Southern California Edison |
| scf | Standard Cubic Feet |
| SCFM | Standard Cubic Feet per Minute |
| SCGT | Simple Cycle Gas Turbine |
| SCPPA | Southern California Public Power Authority |
| SCR | Selective Catalytic Reduction |
| Scripps | Scripps Institution of Oceanography |
| SCRP | Southern California Reliability Project |
| SCVWD | Santa Clara Valley Water District |
| SDG&E | San Diego Gas & Electric |
| SEGS | Solar Electric Generating System |
| SF | Safety Factor |
| SF₆ | Sulfur Hexafluoride |
| SG | Self-Generation |
| Single-contingency condition | Also known as emergency or N-1 condition, occurs when one major transmission element (e.g., circuit, transformer, circuit breaker) or one generator is out of service |
| SIP | State Implementation Plan |
| SJVAPCD | San Joaquin Valley Air Pollution Control District |
| SMAPCD | Sacramento Metropolitan Air Pollution Control District |
| SMUD | Sacramento Municipal Utility District |
| SMUDGEO | SMUD Geothermal |
| So₂ | Sulfur Dioxide |
| SO₄ | Sulfate |
| SoCal Gas | Southern California Gas Company |
| SOCRE | South Orange County Reliability Enhancement |
| Solid dielectric cable | Copper or aluminum conductors that are insulated by solid polyethylene-type insulation and covered by a metallic shield and outer polyethylene jacket |
| SOP | Standard Operating Procedure |
| SOₓ | Oxides of Sulfur |
| SPCC | Spill Prevention Control & Countermeasure |
| Special protection scheme/system (SPS) | An SPS detects a transmission outage (either a single or credible multiple contingency) or an overloaded transmission facility and then trips or runs back generation output to avoid potential overloaded facilities or other criteria violations |
| SPPE | Small Power Plant Exemption |
| SR | Spinning Reserve (also System Reliability) |
| SSAC | Steel-Supported Aluminum Conductor |
| STC | Solar Tax Credit |
| STEL | Short-term exposure limit, 15-minute exposure |
| STEP | Siting, Transmission & Environmental Protection Division |
| STG | Steam Turbine Generator |
| STIG | Steam Injected Gas Turbine |
| SWEPI | Shell Western Energy Production, Inc. |
| Switchyard | A power plant switchyard is an integral part of a power plant and is used as an outlet for one or more electric generators |
| SWP | State Water Project |
| SWPPP | Storm Water Pollution Prevention Plan |
| SWRCB | State Water Resources Control Board |
| T&D | Transmission & Distribution |
| TAC | Toxic Air Contaminant (also Technical Advisory Committee) |
| TAP | Toxic Air Pollution |
| TBtu | Trillion Btu |
| TCF | Trillion Cubic Feet |
| TDS | Total Dissolved Solids |
| Thermal rating | See ampacity |
| TID | Turlock Irrigation District |
| T-Line | Transmission Line |
| TLSN | Transmission Line Safety & Nuisance |
| TPD | Tons per Day |
| TPP | Transmission Planning Process |
| TPY | Tons Per Year |
| TSE | Transmission System Engineering |
| TSM | Transportation System Management |
| TSP | Total Suspended Particulate Matter |
| U.S. BLM | United States Bureau of Land Management |
| U.S. DOE | United States Department of Energy |
| UC Davis | University of California, Davis |
| UCLA | University of California, Los Angeles |
| UL | Underwriters Laboratories, Inc. |
| UMAX | Underground Maximum |
| Underbuild | A transmission or distribution configuration where a transmission or distribution circuit is attached to a transmission tower or pole below (under) the principle transmission line conductors |
| Undercrossing  | A transmission configuration where a transmission line crosses below the conductors of another transmission line, generally at 90 degrees |
| UNFCCC | United Nations Framework Convention on Climate Change |
| USACE | U.S. Army Corps of Engineers |
| USBR | U.S. Bureau of Reclamation (recently was WPRS) |
| USDI | U.S. Department of the Interior |
| USEPA or EPA | U.S. Environmental Protection Agency |
| USFS | U.S. Forest Service (USDA) |
| USFWS | United States Fish & Wildlife Service |
| USGS | U.S. Geological Survey |
| UST | Underground Storage Tank |
| VCAPCD | Ventura County Air Pollution Control District |
| vars | Reactive Power |
| VMT | Vehicle Miles Traveled |
| VOC | Volatile Organic Compounds |
| VPO |  Variable Pressure Operation  |
| VRM | Visual Resource Management |
| WAA | Warren-Alquist Act |
| WAPA | U.S. Western Area Power Administration (DOE) |
| WCI | Western Climate Initiative |
| WDR | Waste Discharge Requirements |
| WECC  | Western Electricity Coordinating Council |
| WHO | World Health Organization |
| WRF | Weather Forecasting & Research |
| ZEV | Zero-Emission Vehicle |