

| Acronym | Full Name/Title                                 | Details   |
|---------|---|---|
| AAAS    | American Academy for the Advancement of Science | AAAS is an international non-profit organization dedicated to advancing science around the world by serving as an educator, leader, spokesperson and professional association |
| AR      | atmospheric rivers                              |   |
| B-120   | Bulletin 120                                    | forecast of snowmelt runoff   |
| BDCP    | Bay Delta Conservation Plan                     |   |
| BDO     | Bay Delta Office                                |   |
| BMP     | best management practices                       |   |
| CalClim | California Climate Data Archive                 |   |
| CalSim  | water resources simulation model                |   |
| CAP     | Climate Action Plan                             |   |
| CARB    | California Air Resources Board                  |   |
| CC      | climate change                                  |   |
| CCCC    | California Climate Change Center                |   |
| CCS     | carbon dioxide capture and storage              |   |
| CDEC    | California Data Exchange Center                 |   |

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| CDIAC  | Carbon Dioxide Information Analysis Center                         | US DOE   |
| CEQA   | California Environmental Quality Act                               |  |
| CFC    | chlorofluorocarbons  | greenhouse gases covered under the 1987 Montreal Protocol  |
| cfs    | cubic feet per second  |  |
| CO2    | carbon dioxide   | a naturally occurring gas, and also a byproduct of burning of fossil fuels and biomass, as well as land-use changes and other industrial processes |
| CO2e   | carbon dioxide equivalent  | a metric measure used to compare the emissions from various greenhouse gases based on their global warming potential (GWP)                         |
| CVFMP  | Central Valley Flood Management Program                            |  |
| CVFPP  | Central Valley Flood Protection Program                            |  |
| CVP    | Central Valley Project   |  |
| DDF    | depth duration frequency   |  |
| ENSO   | El Nino Southern Oscillation                                       |  |
| ET     | evapotranspiration   | the combined process of evaporation from the Earth's surface and transpiration from vegetation   |
| FESSRO | FloodSAFE Environmental Stewardship and Statewide Resources Office |  |
| GCM    | global circulation model   | a global, three-dimensional computer model of the climate system which can be used to simulate human-induced                                       |
| GHG    | greenhouse gas   |  |

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| GISS    | Goddard Institute for Space Studies   |  |
| GWP     | global warming potential  | the cumulative radiative forcing effects of a gas over a specified time horizon result in the emission of a unit mass of gas relative to a reference gas   |
| HadCRUT | Hadley Centre/University of East Anglia Climatic Research Unit Temperature analysis | global climate model   |
| IPCC    | Intergovernmental Panel on Climate Change   |  |
| IRWM    | Integrated Regional Water Management  |  |
| JSTR    | jetstream   |  |
| LAT     | latitude  |  |
| LONG    | longitude   |  |
| NASA    | National Aeronautics and Space Administration                                       |  |
| NCAR    | National Center for Atmospheric Research  |  |
| NCDC    | National Climatic Data Center   | NOAA   |
| NOAA    | National Oceanic and Atmospheric Administration                                     |  |
| NRC     | National Research Council   | functions under the National Academies; mission is to improve govt decision making and public policy, increase public education and understanding, and promote the acquisition and dissemination of knowledge in matters involving science, engineering, technology and health |
| OPR     | Office of Planning and Research   |  |
| OSC     | Office of the State Climatologist   | Dr. Michael Anderson   |
| PIER    | Public Interest Energy Research Program   | California Energy Commission (CEC) program to support public interest energy research and development that will improve the quality of life in CA by bringing environmentally safe, affordable and reliable energy services and products to the marketplace                    |

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| PRISM   | Parameter-elevation Regressions on Independent Slopes Model |  |
| RPS     | renewable portfolio standard                                |  |
| SCO     | State Climate Office  |  |
| SLR     | sea level rise  |  |
| SWE     | snow water equivalent                                       |  |
| SWP     | State Water Project   |  |
| UNEP    | United Nations Environmental Program                        |  |
| UNFCCC  | United Nations Framework Convention on Climate Change       |  |
| US EPA  | United States Environmental Protection Agency               |  |
| US GCRP | United States Global Change Research Program                | coordinates and integrates federal research on change in the global environment and their implications for society; mandated by Congress in the Global Change Research Act of 1990; formerly the US Climate Change Science Program (USCCSP)  |
| US HCN  | United States Historical Climatology Network                | "a high quality data set of daily and month records of basic meteorological variables from 1218 observing stations across the 48 contiguous United States  |
| VIC     | variable infiltration capacity                              | rainfall-runoff model used to estimate streamflows   |
| WCI     | Western Climate Initiative                                  |  |
| WEAP    | Water Evaluation and Planning System                        | model  |
| WMO     | World Meteorological Organization                           | WMO is a specialized agency of the UN; it is the UN system's authoritative voice on the state and behavior of Earth's atmosphere, its interaction with the oceans, the climate it produces and the resulting distribution of water resources |
| WRCC    | Western Regional Climate Center                             |  |
| WRI     | World Resources Institute                                   |  |
| WRRC    | Western Regional Climate Center                             |  |