



# Montezuma II Wind Energy Project Draft Environmental Impact Report

Volume II - Appendices

Prepared for Solano County Department of Resource Management

Prepared by

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**MONTEZUMA II WIND ENERGY PROJECT DRAFT EIR**

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## LIST OF ACRONYMS AND ABBREVIATIONS

|          |   |
|----------|---|
| AADT     | Annual Average Daily Traffic                              |
| AB       | Assembly Bill   |
| AFB      | Air Force Base  |
| AFFSA    | U.S. Air Force Flight Standards Agency                    |
| ALUC     | Airport Land Use Commission                               |
| ALUCPs   | Airport Land Use Compatibility Plans                      |
| amsl     | above mean sea level                                      |
| ANSI     | American National Standards Institute                     |
| APLIC    | Avian Power Line Interaction Committee                    |
| APN      | Assessor's Parcel Number                                  |
| BAAQMD   | Bay Area Air Quality Management District                  |
| BCDC     | San Francisco Bay Conservation and Development Commission |
| BLM      | Bureau of Land Management                                 |
| BMPs     | Best Management Practices                                 |
| BP       | before present  |
| BPA      | Bonneville Power Administration                           |
| CAA      | Clean Air Act   |
| CAAQS    | California Ambient Air Quality Standards                  |
| CAC      | Citizen's Advisory Committee's                            |
| CAISO    | California Independent System Operator Corporation        |
| CAL-OSHA | California Occupational Safety and Health Administration  |
| Caltrans | California Department of Transportation                   |
| CARB     | California Air Resources Board                            |
| CBC      | California Uniform Building Code                          |
| CCR      | Code of California Regulations                            |
| CDC      | California Department of Conservation                     |
| CDFG     | California Department of Fish and Game                    |
| CEC      | California Energy Commission                              |
| CEQA     | California Environmental Quality Act                      |
| CESA     | California Endangered Species Act                         |
| CDFP     | California Department of Fire and Forestry                |
| CFR      | Code of Federal Regulations                               |

|                 |  |
|-----------------|--|
| CGS             | California Geological Survey   |
| CHRIS           | California Historical Resources Inventory System                                       |
| CIWMB           | California Integrated Waste Management Board   |
| CNDDB           | California Natural Diversity Database  |
| CNEL            | Community Noise Equivalent Level   |
| CNPS            | California Native Plant Society  |
| CO              | carbon monoxide  |
| CO <sub>2</sub> | carbon dioxide   |
| CPRC            | California Public Resources Code   |
| CPUC            | California Public Utilities Commission   |
| CRADA           | Cooperative Research and Development Agreement   |
| CRHP            | California Register of Historic Places   |
| CSSC            | CDFG Species of Special Concern  |
| CTS             | California tiger salamander  |
| CVRWQCB         | Central Valley Regional Water Quality Control Board                                    |
| CWA             | Clean Water Act  |
| dB              | decibel  |
| dBA             | A-Weighted Sound Level   |
| dBC             | C-Weighted Sound Level   |
| DOGGR           | California Department of Conservation's Division of Gas, Oil, and Geothermal Resources |
| D-SLR           | digital single lens reflex   |
| E & E           | Ecology and Environment, Inc.  |
| EIR             | Environmental Impact Report  |
| EIS             | Environmental Impact Statement   |
| EMI             | Electromagnetic interference   |
| EPA             | U.S. Environmental Protection Agency   |
| ESA             | Endangered Species Act   |
| F               | Fahrenheit   |
| FAA             | Federal Aviation Administration  |
| FCC             | Federal Communications Commission  |
| FEMA            | Federal Emergency Management Agency  |
| FIRMs           | Flood Insurance Rate Maps  |
| FRAP            | Fire and Resource Assessment Program   |
| GHG             | greenhouse gas   |
| GIS             | geographic information system  |

|                    |  |
|--------------------|--|
| GMF                | Government Master File                                 |
| GPS                | global positioning system                              |
| H <sub>2</sub> S   | hydrogen sulfide                                       |
| HAWT               | horizontal axis wind turbines                          |
| HCP                | Habitat Conservation Plan                              |
| HDD                | horizontal directional drilling                        |
| HSG                | hydrological soil groups                               |
| Hz                 | Hertz  |
| I-680              | Interstate 680   |
| I-80               | Interstate 80  |
| IRAC               | Interdepartmental Radio Advisory Committee             |
| km                 | kilometers   |
| kV                 | kilovolt   |
| L <sub>dn</sub>    | Day/Night Noise Level                                  |
| L <sub>eq</sub>    | Equivalent Noise Level                                 |
| LOS                | Level of Service                                       |
| MBTA               | Migratory Bird Treaty Act                              |
| Met                | meteorological   |
| MMCO <sub>2e</sub> | metric tons CO <sub>2</sub> -equivalent                |
| MW                 | megawatt   |
| NAAQS              | National Ambient Air Quality Standards                 |
| NAHC               | Native American Heritage Commission                    |
| NEMA               | National Electric Manufacturers Association            |
| NFIP               | National Flood Insurance Program                       |
| NO <sub>2</sub>    | nitrogen dioxide                                       |
| NOP                | Notice of Preparation                                  |
| NO <sub>x</sub>    | oxides of nitrogen                                     |
| NRCS               | Natural Resource Conservation Service                  |
| NRHP               | National Register of Historic Places                   |
| NTIA               | National Telecommunications Information Administration |
| NWIC               | Northwest Information Center                           |
| O <sub>3</sub>     | Ozone  |
| O&M                | Operations & Maintenance                               |
| OES                | Office of Emergency Services                           |
| OHP                | California Office of Historic Preservation             |
| OSHA               | Occupational Safety and Health Administration          |

|                   |   |
|-------------------|---|
| OWG               | Operations Working Group  |
| Pb                | Lead  |
| PCBs              | Polychlorinated biphenyls   |
| PG&E              | Pacific Gas and Electric  |
| PM <sub>10</sub>  | particulate matter with diameters less than or equal to 10 microns  |
| PM <sub>2.5</sub> | particulate matter with diameters less than or equal to 2.5 microns |
| PPA               | power purchase agreements   |
| Qa                | Quaternary Alluvium   |
| Qmz               | Quaternary Montezuma Formation                                      |
| Qpf               | Quaternary alluvial fan deposits                                    |
| RCRA              | Resource Conservation and Recovery Act                              |
| RMP               | Raptor Mitigation Plan  |
| ROG               | reactive organic gases  |
| RPS               | Renewable Portfolio Standard  |
| RWG               | Radar Working Group   |
| RWQCB             | Regional Water Quality Control Board                                |
| SCADA             | site control and data acquisition                                   |
| SEMSC             | Solano Emergency Medical Services Cooperative                       |
| SIP               | State Implementation Plan   |
| SMUD              | Sacramento Municipal Utilities District                             |
| SO <sub>2</sub>   | sulfur dioxide  |
| SPCC              | Spill Prevention, Control, and Countermeasure Plan                  |
| SR                | State Route   |
| SRCD              | Suisun Resource Conservation District                               |
| STARS             | Standard Terminal Automation Replacement System                     |
| SWPPP             | Stormwater Pollution Prevention Plan                                |
| SFBRWQCB          | San Francisco Bay Regional Water Quality Control Board              |
| SWRCB             | State Water Resources Control Board                                 |
| TAC               | Solano County Avian Technical Advisory Committee                    |
| UCMP              | University of California Museum of Paleontology                     |
| USACE             | United States Army Corps of Engineers                               |
| USDA              | United States Department of Agriculture                             |
| USFWS             | United States Fish and Wildlife Service                             |
| USGS              | U.S. Geological Survey  |
| VAWT              | vertical axis wind turbines   |
| VOR               | very high frequency omni-directional range                          |

|        |   |
|--------|---|
| VRM    | Visual Resource Management                  |
| WCFZ   | Worst Case Fresnel Zone                     |
| WEG    | wind erodibility groups                     |
| WTG    | wind turbine generator                      |
| YSAQMD | Yolo-Solano Air Quality Management District |