



Final Supplemental Environmental Impact Report

# Strauss Wind Energy Project

County EIR No. 18EIR-00000-0001 and State Clearinghouse No. 2018071002



October 2019



Lead Agency:

**County of Santa Barbara**

**Planning & Development, Energy, Minerals & Compliance Division**

123 Anapamu Street, Santa Barbara, CA 93101

Contact: Kathy Pfeifer, (805) 568-2507

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# Acronyms and Abbreviations

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AB	Assembly Bill
ADT	Average Daily Traffic
AMP	Adaptive Management Plan
ANSI	American National Standards Institute
APAC	Agricultural Preserve Advisory Committee
APCD	Air Pollution Control District
APLIC	Avian Power Line Interaction Committee
APN	Assessor’s Parcel Numbers
ATVs	All-Terrain Vehicles
BAAQMD	Bay Area Air Quality Management District
BACI	Before-after/Control-impact
BBCS	Bird and Bat Conservation Strategy
BGEPA	Bald and Golden Eagle Protection Act
BMPs	Best Management Practices
CAAQS	California ambient air quality standards
CARB	California Air Resources Board
CAS	Climate Action Strategy
CBC	California Building Code
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CDMG	California Division of Mines and Geology
CDP	Coastal Development Permit
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFC	California Fire Code
CGS	California Geological Survey
CHLs	California Historical Landmarks
CMP	Corrugated metal pipes
CNG	Compressed natural gas

CNPS .....	California Native Plant Society
CO .....	Carbon Monoxide
COLT.....	City of Lompoc Transit
CPUC.....	California Public Utilities Commission
CRPR .....	California Rare Plant Rank
CSB .....	County of Santa Barbara
CSSC.....	Coast range newt
CUP .....	Conditional Use Permit
CWA.....	Clean Water Act
DBH .....	Diameter at breast height
DNH .....	Determination of No Hazard
DOC .....	Department of Conservation
DOE .....	U.S. Department of Energy
DPM.....	Diesel particulate matter
DU .....	Distribution Upgrades
ECAP .....	Energy and Climate Action Plan
EHS .....	Environmental Health Services
EIR .....	Environmental Impact Report
ELFs .....	Extremely low frequency
EMF .....	Electric and magnetic field
EMS .....	Emergency Medical Service
EMT .....	Emergency Medical Technician
EPA .....	Environmental Protection Agency
EQAP.....	Environmental Quality Assurance Program
ESA .....	Endangered Species Act
ESBB.....	El Segundo blue butterfly
ESHA .....	Environmentally Sensitive Habitat Area
ETGM .....	Environmental Thresholds and Guidelines Manual
EU .....	European Union
FAA .....	Federal Aviation Administration
FERC.....	Federal Energy Regulatory Commission
GCC .....	Global climate change

**Acronyms and Abbreviations**

GHG	Greenhouse gas
GO	General Order
GO95	CPUC General Order 95
GWP	Global warming potential
HCM	Highway Capacity Manual
HCS	Highway Capacity Software
HDD	Horizontal directional drilling
HFCs	Hydrofluorocarbons
IBA	Important Bird Areas
IBC	International Building Code
ICU	Intersection Capacity Utilization
IE	Independent Engineering
IEEE	Institute of Electrical and Electronics Engineers
IFU	Interconnection Facilities Upgrade
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organization for Standardization
KOPs	Key Observation Points
LACM	Los Angeles County Museum
LAMP	Local Agency Management Program
LCFS	Low Carbon Fuel Standard
LCPs	Local Coastal Programs
LFD	Lompoc Fire Department
LNG	Liquefied natural gas
LNTes	Low-Noise-Trailing-Edges
LOS	Levels of service
LRA	Local Responsibility Area
LRWRP	Lompoc Regional Wastewater Reclamation Plant
LT-1	Levels at three locations, one
LUDC	Land Use & Development Code
LUP	Land use plan
LVBC	Lompoc Valley Bicycling Club
LVDC	Lompoc Valley Distance Club

LWEP .....	Lompoc Wind Energy Project
LWRP .....	Lompoc Wastewater Reclamation Plant
MHFP .....	Multi-Hazard Functional Plan
MM .....	Mitigation Measure
MOA.....	Memorandum of Agreement
MOEs .....	Measures of Effectiveness
MSDS .....	Material Safety Data Sheets
MT .....	Metric ton
MW .....	megawatt
NAAQS .....	National ambient air quality standards
NAHC .....	Native American Heritage Commission
NEMA.....	National Electric Manufacturers Association
NEPA .....	National Environmental Policy Act
NESC .....	National Electric Safety Code
NFPA .....	National Fire Protection Agency
NOA .....	Notice of Availability
NOD .....	Notice of Determination
NOP .....	Notice of Preparation
NPDES.....	National Pollutant Discharge Elimination System
NRCS .....	National Resource Conservation Service
NSR .....	New Source Review
OEHHA .....	Office of Environmental Health Hazard Assessment
OHWM.....	Ordinary high-water mark
OSHA.....	Occupational Health and Safety Administration
OWTS.....	Onsite Wastewater Treatment Systems
PCEs .....	Passenger car equivalents
PCO .....	Point of Change of Ownership
PERP.....	Portable Equipment Registration Program
PFCs .....	Perfluorocarbons
PGAs .....	Peak site accelerations
PM10 .....	Particulate matter (less than 10 microns in diameter)
PM2.5 .....	Fine particulate matter (less than 2.5 microns in diameter)

**Acronyms and Abbreviations**

POI .....	Point of Interconnection
PRC .....	Public Resources Code
PRMMP.....	Paleontological Resource Mitigation and Monitoring Plan
PSHA.....	Probabilistic Seismic Hazard Assessment Maps
R1 .....	Residential property
REC .....	Recognized environmental conditions
RFR .....	Radiofrequency Radiation
RNU .....	Reliability Network Upgrades
ROC .....	Reactive organic compounds
RPS .....	Renewables Portfolio Standard
RWQCB.....	Regional Water Quality Control Board
SAOs .....	Santa Ana Occurrences
SBAS.....	Santa Barbara Audubon Society
SBC .....	County of Santa Barbara
SBCAG.....	Santa Barbara County Association of Governments
SBCFD .....	Santa Barbara County Fire Department
SBCPW .....	Santa Barbara Public Works Department
SBCSD .....	Santa Barbara County Sheriff’s Department
SCADA.....	Supervisory Control and Data Acquisition
SCEDC .....	Southern California Earthquake Data Center
SEIR .....	Supplemental Environmental Impact Report
SHPO.....	State Historic Preservation Officer
SLR .....	Sea-level rise
SMARA.....	Surface Mining and Reclamation Act
SOC .....	Statement of Overriding Considerations
SOD .....	Sudden Oak Death
SODAR .....	Sonic detection and ranging units
SP .....	Service population
SR .....	State Route
SR-1 .....	State Route 1
SR-246 .....	State Route 246
SRA .....	State Responsibility Areas

SRRE.....	Source Reduction and Recycling Element
SSSE .....	Seismic Safety and Safety Element
SSURGO .....	Soil Survey Geographic
SVP .....	Society of Vertebrate Paleontology
SWEP.....	Strauss Wind Energy Project
SWMP .....	Solid Waste Management Plan
SWPPP .....	Stormwater Pollution Prevention Plan
SWQMP .....	Storm Water Quality Management Plan
SWRCB.....	State Water Resources Control Board
TACs .....	Toxic Air Contaminant
TCRs .....	Tribal Cultural Resources
TDM .....	Transportation Demand Management
TMP .....	Traffic Management Plan
TRP .....	Tree Replacement Plan
USACE .....	U.S. Army Corps of Engineers
USDOI .....	U.S. Department of the Interior
USEIA .....	U.S. Energy Information Administration
USFWS .....	U.S. Fish and Wildlife Service
USGS .....	U.S. Geological Survey
V/C .....	Volume to capacity
VAFB .....	Vandenberg Air Force Base
VHFHSZ .....	Very High Fire Hazard Severity Zone
VHFSZ.....	Very High Fire Severity Zone
WCP .....	Weed Control Plan
WEAP .....	Worker education and awareness program
WGI .....	Working Group I
WTG.....	Wind Turbine Generator

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