9. Mitigation Monitoring Program

This chapter provides the Mitigation Monitoring Program for the Strauss Wind Energy Project (SWEP or Project). Santa Barbara County, as the CEQA Lead Agency, has the responsibility of ensuring that mitigation measures adopted as conditions of Project approval are implemented as intended. As the Owner/Operator, Strauss Wind LLC would be responsible for implementing these measures, as well as other conditions imposed on the project by the County or other agencies in permits or in regulations administered by those agencies.

The Mitigation Monitoring Program for the approved Project establishes the approach to implementing the mitigation measures identified in the SEIR. Upon Project approval and approval of this Mitigation Monitoring Program by the County, a detailed Environmental Quality Assurance Program (EQAP) would be developed, as described in Section 9.2 below. The EQAP would describe compliance monitoring roles and responsibilities, and would be the mechanism whereby the County would implement the Mitigation Monitoring Program.

Mitigation Monitoring Program tables are presented at the end of each resource's environmental analysis section of the SEIR (Sections 4.2 through 4.18) and are repeated in Section 9.5 below. These tables, along with the full text of the mitigation measures themselves, are central elements of the Mitigation Monitoring Program. Monitoring for compliance with the adopted mitigation measures would occur during either Project construction or operation as specified in each measure.

9.1 Authority for the Mitigation Monitoring Program

As the Lead Agency under CEQA, the County of Santa Barbara is required to adopt a program for monitoring or reporting on the implementation of adopted mitigation measures for the approved Project to confirm that measures are implemented as defined in the SEIR. This Lead Agency responsibility originates in Public Resources Code Section 21081.6(a) (Findings) and State CEQA Guidelines Sections 15091(d) (Findings) and 15097 (Mitigation Monitoring or Reporting).

9.2 Organization of the EQAP

Upon Project approval, the County would compile a Final Mitigation Monitoring Program for as part of the documentation of its approval of the Project. Based on the mitigation monitoring program, the EQAP would be prepared by the Owner/Operator prior to the issuance of Zoning Clearance for the Project and would serve as a self-contained guide for implementing the program throughout Project construction and operation. The EQAP will be prepared according to procedures established by County Planning and Development (P&D) and shall include the following:

- All conditions and mitigation measures imposed on the Project and the impacts they are mitigating separated by subject area.
- A plan for coordination and implementation of all measures and any additional plans and programs required therein.

- A description of all measures the Owner/Operator will take to assure compliance, including field monitoring, data collection, management and coordination of all field personnel and feedback to field personnel and affected County agencies including P&D.
- A contractor to carry out the EQAP shall be selected by P&D in consultation with the Owner/Operator. The contractor(s) will be under contract and responsible to the County, with all costs to be funded by the Owner/Operator. The EQAP contractor shall appoint at least one On-site Environmental Coordinator (OEC) responsible for overall monitoring, but shall employ as many qualified specialists as necessary, as determined by P&D, to oversee specific mitigation areas (e.g., archaeologists, biologists). In addition, the OEC has the authority and ability to ensure compliance with all conditions of Project approval and to stop work in an emergency.
- Contractor feedback responsibilities shall include weekly, monthly and quarterly reports (as specified in EQAP) to be prepared throughout grading and construction. These shall include status of development, status of conditions, incidents of non-compliance and their results and any other pertinent or requested data.

The EQAP shall also provide for any appropriate procedures not specified in the conditions of approval to be carried out as necessary to minimize environmental impacts.

9.3 Mitigation Compliance Responsibility

The responsibility for implementing adopted mitigation measures rests with the Project Owner/Operator, unless otherwise specified in the measure, for the life of the Project.

As CEQA Lead Agency, Santa Barbara County is responsible for monitoring the approved Project to ensure that required mitigation measures are implemented. The purpose of the Mitigation Monitoring Program is to document that the mitigation measures required by the County are implemented as intended and in accordance with the requirements specified in each adopted measure.

When a mitigation measure requires that a study or plan be developed during the pre-construction phase of the Project, the Owner/Operator must submit the final study or plan to the County for review and approval. Any study or plan that requires approval by the County must allow time for adequate review. Other agencies with jurisdiction or authority over aspects of the Project may require additional review time. It would be the responsibility of the County environmental monitoring team to confirm that appropriate opportunities for agency reviews have occurred and required approvals obtained. The following presents a representative list of the various County entities and responsible agencies that could be involved in the review and approval of required studies and plans, as well as their implementation during construction and operations:

Santa Barbara County

Planning & Development (P&D) Department, Energy, Minerals, & Compliance Division. P&D is responsible for the permit application review for the proposed Project, including preparation of the SEIR. P&D will also be responsible for the development of the EQAP and its implementation, including the review and approval of preconstruction plans and studies, and coordination with other agencies, as needed. During Project construction and operation, P&D will ensure that mitigation measures, plan requirements, and permit conditions are being implemented through on-site monitoring and review of required compliance documentation.

- P&D Building & Safety Division. The Building & Safety Division of the P&D Department
 administers and enforces State and County building, grading, electrical, plumbing, and
 mechanical codes by issuing building permits, inspecting ongoing construction projects, and
 investigating building complaints. The Building & Safety Division will ensure that all Project
 activities and plans comply with current relevant building codes.
- County Environmental Health Services. Santa Barbara County Environmental Health Services is certified by the California Environmental Protection Agency as the Certified Unified Program Agency (CUPA) for the County of Santa Barbara. The CUPA regulates businesses that handle hazardous materials, generate or treat hazardous waste, or store hazardous materials or waste, including the review and inspection of Hazardous Material Business Plan implementation. The primary goal of the CUPA Program is to protect public health and the environment by promoting compliance with applicable laws and regulations. All inspectors in the CUPA Program are trained Hazardous Materials Specialists who take part in continuous education programs to ensure consistency and uniformity during inspections.
- County Air Pollution Control District (District). The District works to protect the people and the environment of Santa Barbara County from harmful effects of air pollution. Its jurisdiction covers the incorporated cities of Buellton, Carpinteria, Goleta, Guadalupe, Lompoc, Santa Barbara, Santa Maria, and Solvang. The District is required by state and federal clean air laws to adopt air pollution reduction rules. In turn, the Project must follow current rules, regulations, and any applicable permits that the District is responsible for approving.
- County Fire Department. The Santa Barbara County Fire Department serves and safeguards the community from the impacts of fires, medical emergencies, environmental emergencies, and natural disasters through leadership, planning, education, prevention, code enforcement, and all-hazard emergency response. The Santa Barbara County Fire Department will ensure that Project activities follow requirements to minimize wildfire hazards.
- **City of Lompoc.** The City of Lompoc will be responsible for the following:
 - Encroachment permits for work within the City rights-of-way
 - Oversize vehicle permit(s), including purple weight and bonus overloads.
 - Approval of a detailed Traffic Control Plan addressing vehicles traveling through Lompoc.
 - Fees for increases in peak-hour trips, if warranted.
 - A Traffic Management Plan.
 - An agreement between the Applicant and the City of Lompoc providing the Applicant will make all repairs to affected roadways, properties and infrastructure, including, but not limited to: sidewalks, parkways, landscaping, street lights, curb, gutter, and signs necessary to restore them their pre-Project condition, as evidenced by photo/videotape documentation undertaken before the start of the Project.
 - Bonds or other financial assurance acceptable to the City, guaranteeing performance under the above-referenced agreement.
 - Photo documentation of pre- and post-construction condition of roadways used to transport vehicles and equipment through the City.
 - Any applicable land use review for improvements to private property within the City or on City-owned property.
 - Recycled Water Permit.

The City's General Plan includes goals and policies that provide guidelines and standards for land uses. The following Land Use goal and policies are relevant to the proposed Project:

<u>Goal 5:</u> Protect the City's and Lompoc Valley's natural resources.

Policy 5.4: Development proposals in the vicinity of natural objects that have unique aesthetic significance shall not be permitted to block, alter, or degrade existing visual quality without the provision of suitable visual enhancement. This may include open space, eucalyptus groves, or vegetation that serves as a view corridor or has important visual attributes. Development proposals shall be sited to ensure that these features are retained or replaced to the extent feasible, resulting in minimal view impairment.

Policy 5.6: The City shall limit development on slopes of 20% or greater by designating parcels with a substantial portion of the site containing steep slopes as Open Space, Community Facility (particularly parks), Rural Residential or Very Low-Density Residential designations.

Policy 5.7: Development on slopes exceeding 20% shall be avoided if other less steep areas are available for building sites on a given property. Any development on slopes exceeding 20% shall minimize grading and avoid interruption of ridgelines. Development on slopes exceeding 20% shall also be subject to Architectural Review by the City to minimize potential aesthetic impacts.

• City of Lompoc, Municipal Code, Noise Ordinance. The City of Lompoc (Section 8.08.030) prohibits certain noisy construction activities in residential zones or within 500 feet during nighttime hours (9:00 p.m. to 7:00 a.m.).

State of California

- California Department of Fish and Wildlife (CDFW). The CDFW is responsible for issuing
 incidental take permits for any Project activities that would affect State listed sensitive and
 endangered species in accordance with California Endangered Species Act. CDFW will review
 Project plans designed to mitigate for Project impacts on State listed species, as well as plans
 for habitat restoration for these species. CDFW is also responsible for issuing Lake and
 Streambed Alteration Agreements under the California Fish and Game Code.
- Regional Water Quality Control Board (RWQCB). The RWQCB will review and monitor implementation of the Storm Water Pollution Prevention Plan (SWPPP), including Best Management Practices, for the Project.
- California Public Utilities Commission (CPUC). The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies. The CPUC will accept the advice letter for construction of PG&E upgrades.
- Caltrans, District 5. Caltrans manages more than 60,000 miles of California's highway and freeway lanes, provides inter-city rail services, permits public-use airports, and works with local agencies. Caltrans carries out its mission of providing a safe, sustainable, integrated and efficient transportation system. Caltrans' responsibilities would include approving any encroachment permit(s) for any portions of the power line that extend into or across the SR-1 right-of-way; approving the permit to transport Extra Legal Loads and/or oversized material; and approve any road closures.

Federal Agencies

- U.S. Fish and Wildlife Service (USFWS). The USFWS is responsible for ensuring compliance with
 federal Endangered Species Act and Bald and Golden Eagle Protection Act, including issuing
 permits required by these laws. In addition, USFWS will review Project plans designed to
 mitigate for potential impacts to federally listed species, as well as plans for habitat restoration
 for these species.
- U.S. Army Corps of Engineers (USACE). The USACE issues permits required by the Clean Water
 Act for disposal of dredged materials into waters of the U.S. The USACE will monitor the Project
 for compliance with Clean Water Act permit conditions imposed on the Project.
- Federal Aviation Administration (FAA). The FAA enforces regulations on airspace obstructions such as wind turbines to ensure safety for air traffic. The FAA will review the Notice of Proposed Construction or Alteration to ensure compliance with airspace obstruction standards and review and approve the Lift Plan and WTG Lighting Plan.

The County may delegate duties and responsibilities for monitoring to the EQAP contractor or consultants working on behalf of the agencies. As well, some monitoring responsibilities may be assumed by CEQA responsible agencies, where areas or resources under their jurisdiction are potentially affected or involved.

The Owner/Operator would deploy its own monitors and consultants for its own purposes, to ensure implementation of its commitments and execution of its responsibilities. The number of Owner/Operator environmental monitors assigned to the Project would be determined by the Owner/Operator and would depend on the number of concurrent construction activities underway, their locations, and the types of resources potentially affected. The County would ensure that persons assigned monitoring duties by Owner/Operator are qualified to undertake those duties.

9.4 General Monitoring Procedures

9.4.1 Environmental Monitors & Agency Inspectors

The various mitigation measures and plan requirements will require implementation (1) prior to the start of construction, (2) during construction and operation, and (3) post-construction. The County and its EQAP contractor are responsible for integrating the mitigation monitoring procedures into the construction and operation processes in coordination with the Owner/Operator. To oversee the monitoring procedures and to ensure success, the EQAP OEC(s) assigned must be on site during construction activity having the potential to create a significant environmental impact or other impact for which mitigation is required. Likewise, the EQAP OEC(s) and agency Inspectors from other departments or agencies or will be on site to ensure compliance with their respective authorities during operations.

9.4.2 Operations and Construction Personnel

A key element in the success of mitigation monitoring is the full cooperation of Project personnel and supervisors, both during both construction and operations. Successful implementation of many of the mitigation measures requires specific actions and behaviors on the part of the construction supervisors or crews who will be hired under contract to the Owner/Operator. Likewise, mitigation developed for

operations will need to be implemented by Owner/Operator and their staff and subcontractors. To ensure success, the following actions would be taken:

- Specific procedures to be followed by construction and operations contractor companies engaged to do their respective work would be written into their contracts with the Owner/Operator. Procedures to be followed by construction and operation personnel would be written into an agreement that all construction and operation personnel would be asked to sign, thereby denoting their consent to the procedures.
- As specified by mitigation, a Worker Environmental Awareness Program (WEAP) would be conducted to inform and train construction and operations personnel about the requirements of the monitoring program. The County's environmental monitor(s) would verify that each crew member received the required training.
- A written summary of mitigation monitoring procedures would be provided to construction and operations supervisors for all mitigation measures requiring their respective attention.

9.4.3 General Reporting Procedures

A checklist will be developed and maintained by the County EQAP contractor to track all mitigation measure requirements, including timing. The EQAP OEC(s) will note any problems that may occur and take appropriate action to rectify the problems. Consolidated weekly (or other specified frequency) reports will be prepared by the County EQAP OEC(s) documenting construction activities, compliance activities observed across issue areas, notification of compliance issues, any issues and their resolution, and photographs of relevant activities and conditions.

The Owner/Operator is required to have its own monitors for particular resources, depending on Project needs and activities. These monitors will prepare regular reports that will be provided to the County EQAP OEC(s). Construction will not be allowed to start in particular areas of the Project site until the required pre-construction surveys and flagging/staking are completed and the County EQAP OEC(s) has validated compliance.

The Owner/Operator is to provide the County with written weekly and annual reports, which will include progress of construction, resulting impacts, mitigation implemented, and all other noteworthy elements of the Project.

The public is allowed access to records and reports used to track the monitoring program. Monitoring records and reports will be made available for public inspection by the County or its designee on request.

9.5 Mitigation Monitoring Tables

The tables on the following pages present the monitoring and reporting plan requirements for the mitigation measures presented in the SEIR and adopted as conditions of Project approval. Individual tables are presented for each resource or issue area (Air Quality, Biological Resources, Noise, etc.).

MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
VIS-1	Materials Storage During Construction	Confirm notation regarding materials storage on building plans.	Review and approve the plan notation prior to zoning clearance for construction.	County reviews plans and inspects construction activities for proper implementation.	Include notation regarding materials storage on building plans and conform to requirements during construction.
VIS-2	Location of Construction Activities	Confirm notation regarding construction activities on building plans.	Review and approve the plan notation prior to zoning clearance for construction.	County reviews plans and inspects construction activities for proper implementation.	Include notation regarding construction activities on building plans and conform to requirements during construction.
VIS-4	Landscape and Lighting Plan	Confirm that the landscape and lighting plan meets specified requirements.	Review and approve the plan prior to zoning clearance for construction.	County approves plan and inspects construction activities for proper implementation.	Submit a landscape and lighting plan that meets specified requirements. Ensure compliance with the plan.
VIS-5	Reduced FAA Hazard Lighting Plan	Confirm receipt of the FAA hazard lighting plan.	Review and approve the plan notation prior to zoning clearance for construction.	County verifies that construction plans conform to lighting plan.	Provide FAA hazard lighting plan to County and conform to plan requirements.

Table	Table 9-1b. Mitigation Monitoring and Reporting Plan – Air Quality							
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities			
AQ-1	Construction Equipment Emission Reduction Plan	Confirm that requirements are shown on grading and building plans.	Review and approve the equipment emission reduction plan prior to zoning clearance for construction.	County approves plan and inspects construction activities for proper implementation.	Submit an equipment emission reduction plan that meets specified requirements. Ensure compliance with the plan.			
AQ-2	Dust Control Plan	Confirm that requirements are shown on grading and building plans.	Review dust control plan and grading and building plans prior to zoning clearance for construction.	County approves plan and inspects construction activities for proper implementation.	Submit a dust control plan that meets specified requirements. Ensure compliance with the dust control plan.			

MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
BIO-1	Worker Education and Awareness Program (WEAP)	Confirm that the WEAP meets specified requirements.	Review and approve the WEAP prior to zoning clearance for construction.	County ensures compliance with the WEAP by reviewing attendance sheets and hardhats, inspecting the site, and interviewing workers.	Submit a WEAP that meets specified requirements and train workers in accordance with the program.
BIO-2	Ground Disturbance	Confirm that grading and building plans show the limits of the grading, ground disturbance, access routes, and locations of all facilities.	Review and approve grading and building plans prior to zoning clearance for construction.	County approves plans and inspects construction activities for proper compliance.	Submit plans showing the limits of the grading, ground disturbance, access routes, and locations of all facilities.
BIO-3	Site Restoration and Revegetation Plan	Confirm that the restoration and revegetation plan meets specified requirements. Confirm that a performance security is filed for conservation easements and completion of restoration.	Approve the restoration and revegetation plan and confirm performance security for conservation easement(s) and restoration prior to zoning clearance. Inspect the site for proper restoration after construction.	County approves the restoration and revegetation plan and inspects the site for proper compliance. County reviews and approves the conservation easement. County reviews annual reports and final monitoring report.	Submit a restoration and revegetation pla that meets specified requirements. File a performance security with the County. Implement restoratio and revegetation in accordance with the approved plan. File a performance security with the County to obtain the conservation easement(s) and complete restoration Submit annual inspection reports and final monitoring report.
BIO- 4a	Tree Protection Plan	Confirm hiring of a qualified botanist or arborist. Confirm that the tree protection plan meets specified requirements.	Approve the tree protection plan prior to zoning clearance. Post a performance security.	County approves a botanist or arborist to design and implement a tree protection plan. County approves the tree protection plan and inspects the site for proper compliance.	Hire a botanist or arborist to design and implement a tree protection plan. File a performance security with the County. Submit a tree protection plan that meets specific requirements. Ensure compliance with the tree protection plan.
BIO- 4b	Tree Replacement Plan (TRP) – Planned Removal and Unexpected Damage	Confirm that the TRP meets specified requirements.	Approve the TRP and confirm submission of the conservation easement prior to zoning clearance.	County approves the TRP and inspects the site for proper compliance.	Submit a TRP that meets specified requirements. Ensure compliance with the TRP.

MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
		Confirm submission of the conservation easement.	Post a performance security to ensure installation and a tree maintenance period.	County reviews and approves the conservation easement.	File a performance security with the County. Submit the conservation easement. Provide copy of the signed restoration contract.
BIO- 4c	Invasive Plant Pathogen Abatement (SOD Prevention)	Confirm that best management practices are followed for soil-disturbing activities.	Approve a format for reporting prior to zoning clearance.	Review reports submitted by the Applicant.	Submit reporting format and reports documenting compliance.
BIO-5	Pre-construction Rare Plant Surveys and Restoration	Confirm that pre- construction rare plant surveys are conducted. Confirm that the replacement of sensitive plants is properly addressed, if needed, in the restoration and revegetation plan.	Approve the restoration and revegetation plan prior to zoning clearance. Verify that required surveys were conducted prior to construction.	County approves the restoration and revegetation plan (MM BIO-3). County confirms that pre-construction surveys were conducted.	Conduct pre- construction rare plant surveys. File a performance security with the County. If necessary, include replacement of sensitive plants in the restoration and revegetation plan (MM BIO-3).
BIO-6	Gaviota Tarplant Disturbance	Confirm that the Gaviota tarplant mitigation plan meets specified requirements.	Approve the Gaviota tarplant mitigation plan prior to zoning clearance.	County approves the Gaviota tarplant mitigation plan. County verifies that the Applicant has received an Incidental Take Permit for the Gaviota tarplant. County inspects the site for compliance.	Submit a Gaviota tarplant mitigation plan meets specified requirements. File a performance security with the County. Ensure compliance with the TRP. Submit Incidental Take Permit to the County.
BIO-7	Kellogg's and Mesa Horkelia Habitats	Confirm that pre- construction surveys are conducted. Confirm that these plants are properly addressed, if needed, in the restoration and revegetation plan.	Approve the restoration and revegetation plan prior to zoning clearance. Verify that required surveys were conducted prior to construction.	County approves the restoration and revegetation plan (MM BIO-3). County confirms that pre-construction surveys were conducted.	Conduct pre- construction surveys File a performance security with the County. If necessary, include mitigation for these plants in the restoration and revegetation plan (MM BIO-3).
BIO-8	Native Grassland Restoration	Confirm that the restoration and revegetation plan includes require-	Approve the restoration and revegetation plan and confirm performance security for conserva-	County approves restoration and revegetation plan and inspects the site for proper compliance.	Incorporate native grassland requirements into the restoration and revegetation plan.

MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
		ments for native grassland restoration. Confirm that a performance security is filed for completion of restoration.	tion easement(s) and restoration prior to zoning clearance. Inspect the site for proper restoration after construction.	County reviews and approves the conservation easement.	File a performance security with the County. File a performance security with the County for completion of restoration.
BIO-9	Wetland Avoidance and Riparian Habitat Restoration Plan	Confirm that the wetland avoidance and riparian habitat restoration plan meets specified requirements.	Approves the wetland avoidance and riparian habitat restoration plan prior to zoning clearance. The plan must be implemented within one year of the disturbance.	County approves the wetland avoidance and riparian habitat restoration plan. County inspects the site for plan implementation and compliance.	Submit a wetland avoidance and riparian habitat restoration plan that meets specific requirements. File a performance security with the County. Ensure compliance with the plan.
BIO- 11a	Pre-construction Wildlife Surveys	Confirm that wildlife surveys are conducted prior to ground disturbance. Confirm that sensitive wildlife species are properly relocated.	Submit survey reports prior to ground disturbance.	County confirms that pre-construction surveys were conducted. County reviews survey reports and monitoring reports. County inspects the site as needed during construction.	Conduct wildlife surveys prior to ground disturbance. Submit survey result to the County. If needed, relocate sensitive wildlife species to similar habitat at least 300 feet away from construction.
BIO- 11b	Fencing	Confirm that the fencing plan meets specified requirements. Confirm that requirements are shown on construction plans.	Approve the fencing plan prior to zoning clearance.	County approves the fencing plan and inspects the site for proper compliance during construction.	Submit a fencing plathat meets specified requirements. Ensure compliance with the plan.
BIO- 11c	Biological Monitoring	Confirm that a qualified environ-mental monitor(s) is on site on monitor construction.	Approve the environmental monitor prior to start of construction.	County approves the Applicant's environmental monitor(s).	Hire a qualified environmental monitor(s) to be on site during construction.
BIO- 11d	Monitoring Report	Confirm that adequate monitoring reports are submitted according to the specified schedule.	Approve format for the Construction Monitoring and Biological Resources Mitigation Report prior to start of construction.	Review monitoring reports.	Provide copies of permits from other regulatory agencies to the County. Submit monitoring reports according to the specified schedule.

MM	MM Title	Monitoring/	Timing and Method	Agency or County	Applicant
No.	MM Title	Reporting Action	of Verification	Responsibilities	Responsibilities
BIO- 12	Avoidance Measures for Nesting Birds	Confirm that specified surveys are conducted. Confirm that mitigation stipulations are met.	Submit survey reports prior to commencement of work.	County reviews survey reports. County inspects site during construction to verify compliance.	Conduct required surveys and submit survey reports. Comply with mitigation requirements, including timing to avoid impacts to bird breeding.
BIO- 13	Conservation of El Segundo Blue Butterfly (ESBB)	Confirm that specified surveys are conducted. Confirm that the ESBB mitigation plan meets specified requirements.	mitigation plan, protocol survey report, and Biological Opinion prior to construction. The Applicant shall report compliance with this measure on a monthly basis.	County reviews survey reports and monthly reports. County approves ESBB mitigation plan prior to construction. County inspects site during construction to verify compliance.	Conduct required surveys and submit survey reports. Submit an ESBB mitigation plan that meets specified requirements. Ensure compliance with the plan. Submit Biological Opinion to the County.
BIO- 14a	Coast Horned Lizard	Confirm that daily clearance surveys are conducted.	Daily clearance surveys. The Applicant shall report compliance with this measure on a monthly basis.	County reviews monthly reports.	Conduct daily clearance surveys.
BIO- 14b	Northern California Legless Lizard	Confirm that specified surveys are conducted. Verity that mitigation requirements for relocation are followed.	Surveys shall be conducted prior to construction. The Applicant shall report compliance with this measure on a monthly basis.	County reviews monthly reports.	Conduct required surveys. Comply with mitigation requirements for relocation.
BIO- 14c	San Diego Desert Woodrat	Confirm that specified surveys are conducted. Verity that mitigation requirements for relocation are followed.	Surveys shall be conducted prior to construction. The Applicant shall report compliance with this measure on a monthly basis.	County reviews monthly reports.	Conduct required surveys. Comply with mitigation requirements for relocation.
BIO- 14d	American Badger	Confirm that specified surveys are conducted. Verity that mitigation requirements for active dens are followed.	Surveys shall be conducted prior to construction. The Applicant shall report compliance with this measure on a monthly basis.	County reviews monthly reports.	Conduct required surveys. Comply with mitigation requirements for active dens.
BIO- 14e	Roosting Bats	Confirm that required surveys are conducted. Confirm that construction buffers	The Applicant's monitor shall report compliance with this measure in writing to County staff on	County reviews survey and monitoring reports.	Conduct required surveys and submit survey reports. Establish construc- tion buffers per

MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
		are established, as needed. Confirm that CDFW stipulations are followed.	survey results and buffer area design.	County inspects site during construction to verify compliance.	mitigation require- ments, as needed. Coordinate with CDFW if bat roosts cannot be avoided.
BIO- 14f	Vernal Pool Fairy Shrimp	Confirm that specified surveys are conducted. Verify compliance with mitigation requirements for avoidance and compensation.	The Applicant shall report compliance with this measure on a bi-weekly basis.	County approves biologist to conduct surveys. County reviews submitted reports.	Conduct required surveys. Provide copies of required permits to the County. Comply with mitigation requirements for avoidance and compensation.
BIO- 14g	California Red- Legged Frog	Confirm that specified surveys are conducted. Verify compliance with requirements for best management practices, avoidance, and restoration.	Surveys shall be conducted prior to construction. The Applicant shall report compliance with this measure on a monthly basis.	County reviews monthly reports.	Conduct required surveys. Notify the USFWS, CDFW and County if this species is found. Follow requirements for best management practices, avoidance, and restoration.
BIO- 14h	Western Spadefoot Toad	Confirm that specified surveys are conducted. Verify compliance with specified procedures if this species is found.	Surveys shall be conducted prior to construction. The Applicant shall report compliance with this measure on a monthly basis.	County reviews monthly reports.	Conduct required surveys. Follow specified procedures if this species is found.
BIO- 14i	California Condor	Confirm that a qualified monitor is on site during construction. Verify compliance with mitigation stipulations to avoid attracting condors.	Monitor during construction. The Applicant shall report compliance with this measure on a monthly basis.	County reviews monthly reports.	Ensure a qualified monitor is on site during construction. Comply with mitigation stipulations to avoid attracting condors.
BIO- 14j	Maternity Colony or Hibernaculum Surveys and Avoidance Measures for Special-status Bats	Confirm that specified surveys are conducted. Verify compliance with restrictions on removal bat roost habitat.	Surveys shall be conducted prior to disturbance. The Applicant shall report compliance with this measure on a monthly basis.	County reviews monthly reports.	Conduct required surveys. Information the County and CDFW of the need to evict bats.
BIO- 15a	Siting	Confirm that specified surveys are conducted. Verify attempts to dissuade raptors from nesting near turbines.	Monitor during construction.	County reviews monthly reports.	Conduct surveys to identify raptor nest sites and other sensitive resources. Consult with CDFW, as needed, per

MM	MM Title	Monitoring/	Timing and Method	Agency or County	Applicant
No.		Reporting Action	of Verification	Responsibilities	Responsibilities mitigation requirements.
BIO- 15b	Appropriate WTG and Project-Element Design	Verify compliance with mitigation requirements.	Review construction plans prior to zoning clearance for construction and as needed once construction has commenced.	County approves plan and inspects construction activities for proper implementation.	Comply with stipulated mitigation requirements.
BIO- 16	Monitoring and Adaptive Management Plan / Bird and Bat Conservation Strategy	Confirm that the monitoring and adaptive management plan meets specified requirements. Confirm that the bird and bat conservation strategy meets the specified requirements.	Review and approve the plan notation prior to zoning clearance for construction.	County approves the monitoring and adaptive management plan. County approves the bird and bat conservation strategy.	Conduct monitoring studies of bird activity and fatalities. Prepare a monitoring and adaptive management plan that meets specified requirements. Prepare a bird and bat conservation strategy that meets specified requirements. Provide the County with USFWS eagle authorization or indication that authorization is under review.
BIO- 16a	Before-After/ Control-impact (BACI) Study	Confirm that BACI study meets specified requirements.	Pre- and post- construction as indicated in the measure.	County reviews the BACI study.	Prepare BACI study, including associated surveys that meets specified requirements.
BIO- 16b	Bird/Bat Mortality Study	Confirm that bird and bat mortality study meets specified requirements.	Throughout the life of the project.	County reviews bird and bat mortality study.	Prepare a bird and bat mortality study that meets specified requirements.
BIO- 16c	Remove Carrion Near Turbines	Confirm that the program meets specified requirements.	Review and approve the program prior to project operation. Patrols and carrion removal will occur throughout the life of the project.	County approves the patrol and carrion removal program. County reviews reports on patrols and carrion removal.	Prepare a patrol and carrion removal program that meets specified requirements. Report patrol results to the County
BIO- 16d	Adaptive Management Plan (AMP)	Confirm that the adaptive management plan that meets specified requirements.	Review and approve the plan prior to zoning clearance for construction. Adaptive manage- ment measures may need to be implemented	County approves the adaptive management plan. Monitor plan compliance, including implementation of required adaptive management measures.	Prepare an adaptive management plan that meets specified requirements. Ensure compliance with the plan.

Table	Table 9-1c. Mitigation Monitoring and Reporting Plan – Biological Resources							
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities			
			throughout project operation.					
BIO- 17	Weed Control Plan	Confirm that the weed control plan that meets specified requirements.	Review and approve the plan prior to zoning clearance for construction. Weed control measures need to be implemented throughout life of project.	County approves the weed control plan. Review reports and monitor plan compliance.	Prepare a weed control plan that meets specified requirements. Ensure compliance with the plan. Report weed control results to the County.			

Resou		Monitoring and Rep			
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
CULT- 6	Avoidance of Cultural Resources	Confirm that eligible sites are avoided to the greatest extent feasible.	Review and approve plans prior to zoning clearance for construction.	County reviews plans for avoidance of eligible or unevalu- ated resources.	Design construction plans to avoid eligible or unevaluated resources.
CULT- 7	Final Plan Notification	Confirm preparation and recording of the informational sheet.	Review and approve the informational sheet prior to zoning clearance for construction.	County reviews informational sheet and inspects construction activities for compliance.	Prepare informational sheet designating the known archaeological sites as unbuildable areas unless the site has been formally evaluated.
CULT- 8	Temporary Fencing	Confirm that appropriate buffers have been established and fenced.	Review and approve the fencing plan prior to zoning clearance for construction.	County verifies implementation through photo documentation and inspects construction site for compliance.	Establish and fence site buffers in accordance with mitigation requirements.
CULT- 9	Site Capping	Confirm that the capping plan meets specified requirements.	Review and approve plans prior to zoning clearance for construction.	County approves capping plan.	Prepare a capping plan that meets specified requirements. Ensure compliance with the plan.
CULT- 10	Archaeological Data Recovery Excavation, Monitoring, and Reporting Plan	Confirm that the plan meets specified requirements.	Review and approve the plan prior to zoning clearance for construction.	County approves plan and inspects construction site as needed.	Prepare data recovery excavation, monitoring, and reporting plan that meets specified requirements. Ensure compliance with the plan.

Table	9-1e. Mitigation N	Nonitoring and Rep	orting Plan – Fire H	lazards and Emerge	ency Services
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
FPES- 1	Fire Protection Plan	Confirm that construction equipment and activities meet SBCFD requirements	Review and approve the plan prior to zoning clearance for construction.	County reviews plans and inspects construction activities for proper implementation.	Submit a Fire Protection Plan that contains provisions and meets SBCFD requirements.
FPES- 2	Smoking and Open Fires	Confirm that smoking and open fires are prohibited at Project site during construc- tion and operations.	Review and approve notification prior to zoning clearance for construction.	County reviews plans and inspects construction activities for proper implementation.	Submit copy of the notification to the County.
FPES-3	Install Gravel around Substation	Confirm and note on building plans that gravel is placed around the perimeter of the Project Substation as a fire prevention measure.	Gravel shall be installed prior to the start of operations. County verifies that gravel has been installed.	County reviews plans and inspects construction activities for proper implementation.	Include notation of measure on building plans and conform to requirements prior to construction.
FPES-4	Access Roads	Confirm access roads remain passable by emergency vehicles for the duration of the Project.	Review and approve access road design prior to zoning clearance. SBCFD inspectors periodically verify that access roads are maintained in an acceptable condition.	County reviews plans and inspects construction activities for proper implementation.	Submit final design for SBCFD approval; submit final access road map (including topographic map) to SBCFD and the City of Lompoc Fire Department.
FPES- 5	Flammable Fuel Buffers and Electrical Clearances	Confirm that vegetation buffer is consistent with Public Resources Code Section 4292 to minimize flammable fuels.	Review and approve plans prior to zoning clearance. SBCFD inspectors verify proper maintenance of clearance.	County reviews plans and inspects construction activities for proper implementation of buffer areas.	Submit plans to the County for approval.
FPES- 6	Red Flag Warning	The onsite monitor shall have the authority to stop work on the Project during red flag conditions.	Notification of potential work during red flag conditions as soon as Red Flag conditions are anticipated.	County and appropriate fire agency shall hold approval privileges on construction work during a red flag condition and utilize on-site fire monitoring or all additional conditions as deemed necessary to reduce fire risk.	Participate in the Red Flag Warning program with local fire agencies and the National Weather Service. The Applicant shall stop work during Red Flag conditions to reduce the risk of wildlife ignition.

Table	Table 9-1f. Mitigation Monitoring and Reporting Plan – Geology and Soils						
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities		
GEO- 1	Seismic Design	Confirm that Project facilities are designed according to seismic design criteria.	Review and approve the design prior to zoning clearance for construction.	County inspects the site prior to occupancy clearance for the O&M facility and prior to operation of the WTGs and power line.	Submit plans for buildings and structures indicating compliance with standards for County approval.		
GEO- 2	Grading and Drainage Plan	Confirm that construction activities comply with the plan. P&D staff shall perform site inspections throughout construction.	Review and approve plan prior to zoning clearance for construction. Erosion and sediment control measures shall be in place throughout grading and development of the site until all disturbed areas are permanently stabilized. Reseeding of graded surfaces shall occur within 60 days of grading completion.	County approves plans and inspects construction activities for proper compliance	Prepare plan to minimize erosion and landslides throughout Project construction. The plan shall be noted on all grading and building plans. Applicant shall notify the County prior to commencement of grading.		
GEO- 3	Expansive Soils	Confirm that construction activities comply with performance criteria.	Review and approve soil analyses and performance criteria prior to the zoning clearance.	County approves plans and inspects construction activities for proper compliance.	Complete and submit soil analyses and performance criteria for County review and approval.		
GEO- 4	Foundation Support	Confirm that construction activities comply with appropriate standards .	Review and approve final building plans prior to zoning clearance for construction.	County approves plans and inspects construction activities for proper compliance	Complete and submit building plans including foundation design to the County for review and approval.		

Table	Table 9-1g. Mitigation Monitoring and Reporting Plan – Hazards and Hazardous Materials					
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities	
RISK- 1	Hazardous Materials Management Plan	Confirm that the Hazardous Materials Management Plan meets SBCFD requirements.	Review and approve plan prior to zoning clearance.	County verifies and approves plan and inspects construction activities for proper compliance.	Prepare and submit a Hazardous Materials Management Plan to meet SBCFD requirements.	
RISK- 2	Refueling Spill Notification	Confirm that notifications of pertinent contacts regarding refueling spills are provided during construction activities.	Notification shall be provided prior to zoning clearance	County verifies the notification prior to zoning clearance and confirms compliance during construction.	Provide copies of the Refueling Spill Notification to contractors and the County.	
RISK- 3	Equipment Maintenance	Confirm that all equipment is adequately maintained to minimize accidental releases of hazardous materials.	Notification shall be provided prior to zoning clearance.	County verifies the notification prior to zoning clearance and confirms compliance during construction.	Provide copies of the notification to contractors and the County.	
RISK- 4	Avoidance of Sensitive Areas for Refueling	Confirm that refueling activities avoid sensitive areas.	Notification shall be provided prior to zoning clearance.	County verifies the notification prior to zoning clearance and confirms compliance during construction.	Provide copies of the notification to contractors and the County.	

Table	Table 9-1h. Mitigation Monitoring and Reporting Plan – Hydrology and Water Quality						
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities		
WAT-1	Construction Water Source	Confirm that groundwater levels are maintained at a sustainable level by installing a monitoring well.	Review and approve the groundwater monitoring plan prior to initiation of construction. The monitoring plan shall remain in effect during construction and three months after completion of construction activities.	County verifies and approves plan and receives water level reports for proper compliance.	Prepare a ground-water monitoring plan for the onsite well to be used as a water source during construction. Report water level data to the County on a bi-weekly basis during the first six months of construction and monthly thereafter until three months following the end of construction.		
WAT-2	Minimize Watercourse Encroachment	Confirm that disturbance to riparian vegetation, creek channel, vegetative cover over the stream, and flow pattern are minimal through compliance with a watercourse encroachment plan.	Review and approve the watercourse encroachment plan prior to zoning clearance for construction. County Permit Compliance will ensure compliance with the road widening plan.	County reviews and approves plan and verifies compliance through construction monitoring.	Notify County Permit Compliance and submit watercourse encroachments to County prior to commencement of grading.		

Table	Table 9-1i. Mitigation Monitoring and Reporting Plan – Land Use					
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities	
LU-1	Staking of Coastal Zone	Confirm that exclusion fencing or staking of coastal zone and designated construction boundaries has been installed.	Review fencing or staking prior to and during construction activities within the WTG corridors.	County inspects fencing or staking to confirm and ensure compliance.	Install fencing or staking of coastal zone boundary and construction boundaries.	
LU-2	Decommissioning & Reclamation Plan	Confirm that the decommissioning and reclamation plan meets specified requirements.	Review and approve the plan prior to permit approval for facility decommis- sioning and abandonment.	County approves plan and inspects abandonment activities for proper implementation.	Submit a decommissioning and reclamation plan that addresses abandonment and reclamation efforts. Ensure compliance with the plan.	
LU-3	Financial Assurance for Decommissioning and Reclamation	Confirm receipt of itemized cost estimate for project removal/ reclamation. Confirm whether financial assurance mechanism is acceptable for project costs.	Review and approve the financial assurance prior to zoning clearance for construction.	County approves financial assurance and verifies that project removal/ reclamation conforms to decommissioning and reclamation plan.	Submit itemized cost estimate and financial assurance mechanism. Update and resubmit the financial assurance every five years.	

MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
NOI-1	WTG Maintenance	Confirm that all WTGs are maintained in excellent working order to minimize operational noise impacts.	Maintenance shall be enforced throughout the life of the Project.	County enforces compliance with this condition.	Maintain WTGs in excellent working order and provide maintenance records to the County upon request to demonstrate appropriate maintenance.
NOI-2	Construction Hours	Confirm that map of construction hour limitations meets specified requirements. Confirm effectiveness of noise barrier.	Review and approve map prior to zoning clearance for construction.	County approves map. County inspects site to enforce compliance. County reviews requests for weekend and holiday work and considers noise complaints.	Submit map that shows areas subject to construction hour limitations and identifies time limits for blasting or pile driving. Submit requests for weekend and holiday work. Install noise barriers at switchyard site and where construction is within 1,600 feet of non-participating residences. Ensure compliance with construction hour and time limit requirements.
NOI-3	Telephone Number for Noise Complaints	Confirm that phone number and required features are established.	Applicant shall establish phone number and required features prior to zoning clearance for construction.	County confirms that phone number and answering features meet specific requirements. County inspects site during construction to enforce compliance.	Establish telephone number for reporting noise complaints that is staffed 24-hrs/day or is connected to an answering feature with date and time stamp. Post telephone number in a visible location at Project site.
NOI-4	Noise Complaint Resolution Plan	Confirm that noise complaint resolution plan meets specified requirements.	Review and approve the plan prior to zoning clearance for construction.	County approves plan. County reviews submitted forms to ensure compliance.	Prepare noise complaint resolution plan. Ensure compliance with the plan.
NOI-5	Maintenance of Construction Equipment	Confirm construction equipment is maintained and in good working order.	Inspect site during construction.	County inspects site during construction to ensure compliance.	Maintain construction equipment according to manufacturer's specifications and ensure that noise reduction devices are in good working order.

MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
NOI-6	Resident Notification	Review residential notification prepared by the Applicant.	Review proof of notification prior to zoning clearance for construction.	County reviews proof of notification and enforces compliance per mitigation requirements.	Hold pre-construction meeting for residents. Notify residents of unusually loud construction activities and access restrictions per mitigation requirements.
NOI-7	Acoustical Analysis	Confirm that the results of the acoustical analysis are in compliance with the limits of 43.3 dBA Leq (1-hour) limit at nonparticipating residences, and 58.3 dBA Leq at participating residences	Review and approve acoustical study and final WTG layout prior to zoning clearance for construction.	County approves acoustical analysis and WTG layout. County considers control strategies to reduce project noise levels, if warranted.	Prepare acoustical analysis. Ensure actual WTG operating noise levels are in compliance with mitigation requirement.
NOI-8	Noise Monitoring and Control Plan	Confirm that noise monitoring and control plan meets specified requirements.	Review and approve plan prior to zoning clearance for construction.	County approves plan. County may conduct post-mitigation noise monitoring.	Prepare noise monitoring and control plan. Conduct noise measurements to characterize baseline ambient noise levels. Conduct operational noise monitoring. Reimburse County for any postmitigation noise monitoring activities.
NOI-9	Maintenance Hours	Confirm that routine noise-generating operations adhere to mitigation requirements.	Inspect maintenance activities to ensure compliance with mitigation requirements.	County enforces hours and days for maintenance activities.	Print information regarding restrictions on hours and days for maintenance activities on all final plan sets per mitigation requirements.

Table 9	-1k. Mitigation M	onitoring and Repo	orting Plan – Paleo	ntological Resourc	es
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities
PALEO- 1	Pre-construction Workshop	Confirm that the paleontological resource mitigation and monitoring plan meets specified requirements.	Review and approve plan prior to zoning clearance for construction.	County approves the paleontological resource mitigation and monitoring plan. County spot checks construction for proper implementation.	Prepare and submit a paleontological resource mitigation and monitoring plan. Ensure compliance with the plan.
PALEO- 2	Implement Monitoring Program	Verify that a Qualified Professional Paleontologist supervises monitoring for paleontological resources.	Provide evidence that a Qualified Professional Paleontologist will supervise monitoring prior to construction.	County reviews credentials of the Qualified Professional Paleontologist who will supervise monitoring. County spot checks construction for proper implementation.	Provide evidence that a Qualified Professional Paleontologist will supervise monitoring.
PALEO- 3	Discovery of Fossils	Confirm that mitigation stipulations regarding discovery of fossils are being followed.	Monitor throughout construction.	County reviews reports and County spot checks construction for proper implementation.	Notify County of a paleontological resource discovery warranting recovery.
PALEO- 4	Pre-construction Pedestrian Survey	Confirm that specified survey is conducted. Confirm that mitigation stipulations are met.	Submit survey reports prior to completion of the paleontological resource mitigation and monitoring plan (MM PALEO-1).	County reviews survey reports.	Conduct required surveys and submit survey reports. Ensure compliance with mitigation requirements.

Table	Table 9-1I. Mitigation Monitoring and Reporting Plan – Recreation						
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities		
REC- 01	Community Signage and Communication with LVDC, LVBC, LPAS, and SBAS	Confirm communication with LVDC, LVBC, LPAS, and SBAS no less than 30 days prior to construction. Confirm signage at Miguelito County Park no less than 30 days prior to construction.	Review documentation of community signage and communication no less than 2 weeks prior to the start of construction.	County reviews documentation of community signage and communication with LVDC, LVBC, LPAS, and SBAS.	Communicate construction schedule with LVDC, LVBC, LPAS, and SBAS. Post construction schedule at Miguelito Canyon Park. Communicate substantial delays in the schedule per mitigation requirements. Provide documenta- tion of communica- tion and signage to County.		

Table	Table 9-1m. Mitigation Monitoring and Reporting Plan – Transportation						
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities		
TC-1	Traffic Management Plan (TMP)	Confirm that the traffic management plan meets specified requirements.	Review and approve construction plans prior to zoning clearance for construction.	County approves traffic management plan and inspects construction activities for proper implementation.	Prepare and submit a traffic management plan meets specified requirements. Ensure compliance with the plan.		
TC-3	Roadway Repairs	Verify that agreements are in place for road repairs after construction. Confirm that road repairs comply with current standards.	Review and approve the traffic management plan to ensure it specifies necessary road repairs in accordance with mitigation requirements. Verify road repairs after construction. Secure bonds associated with post road repairs prior to Zoning Clearance.	County approves traffic management plan with road repair stipulations. County documents that road repairs were properly completed.	Include road repair stipulations in the traffic management plan. Repair roads in accordance with agreements with affected jurisdictions per the mitigation measure.		

Table	Table 9-1n. Mitigation Monitoring and Reporting Plan – Utilities and Service Systems						
MM No.	MM Title	Monitoring/ Reporting Action	Timing and Method of Verification	Agency or County Responsibilities	Applicant Responsibilities		
USS-1	Source Reduction and Solid Waste Management Plan (SWMP)	Confirm that the SWMP meets specified requirements.	Review and approve the SWMP prior to zoning clearance for construction. The plan require- ments will remain in effect throughout project construction and operation.	Approve the SWMP. Review documentation demonstrating compliance.	Submit a SWMP that meets specified requirements. Provide evidence to the County documenting compliance.		

9. Mitigation Monitoring Program

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