

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Time Frame for Implementation                                                 | Steps to Compliance and Verification                                                  | Responsible Monitoring Agency |
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| <b>Agricultural Resources</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                               |                                                                                       |                               |
| <b>MM AG-1. Pest Management Plan.</b> A pest management plan shall be established to monitor and control the introduction of insects, weeds, or other organisms that may be harmful to surrounding farmland and to prevent injury to the agricultural industry in the County. This plan shall be in place for the duration of the Project, including during restoration of the Project site to pre-project conditions. The plan shall be approved by the Planning Department and the Agricultural Commissioner. Should the population of unwanted species threaten to damage the area, the Project operator shall implement controls that are consistent with applicable pest management requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Prior to ground-disturbing activities and during ground-disturbing activities | Submit Pest Management Plan to Modoc County                                           | Modoc County                  |
| <b>Biological Resources</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                               |                                                                                       |                               |
| <p><b>MM BIO-1. Worker Environmental Awareness Program (WEAP).</b> Prior to commencement of any earth disturbance (e.g., clearing, grading, trenching, etc.), all contractors, work crews, and any onsite personnel shall receive training from a qualified biologist regarding protective measures for special-status animal species and sensitive habitats that could exist in the project area. If new personnel are added to the project, the Applicant shall ensure that they receive the mandatory training before starting work. At a minimum, the training shall include the following:</p> <ul style="list-style-type: none"> <li>• A review of the special-status species that could occur in the project study area, the life history and habitat requirements for each species, the locations where the species could occur, the laws and regulations that protect these species, procedures to be implemented in the event that these species are encountered during construction, and the consequences of noncompliance with those laws and regulations.</li> <li>• A review of sensitive natural communities such as wetlands and other waters of the State that occur in the study area.</li> <li>• A review of applicable mitigation measures, standard construction measures, best management practices, and resource-agency permit conditions that apply to the protection of special-status species and sensitive habitats.</li> </ul> | Prior to ground-disturbing activities and during ground-disturbing activities | Submit affidavit, and presentation materials for review and record retention          | Modoc County                  |
| <b>MM BIO-2. Supplemental Aquatic Resources Delineation.</b> Prior to project implementation, the Applicant shall conduct a supplemental field evaluation to evaluate the presence/absence of wetlands and other waters of the state. The evaluation shall address any lands in the final project footprint that were not sufficiently addressed in the 2025 study (as described in this report). Upon completion of the evaluation, an aquatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Prior to ground-disturbing activities                                         | Submit report with results of surveys, and if necessary aquatic resources delineation | Modoc County: SWRCB           |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Time Frame for Implementation                                                 | Steps to Compliance and Verification                                                                                                                                                                                                                       | Responsible Monitoring Agency |
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| resources delineation map and report meeting State Water Board standards shall be prepared and submitted for agency review and approval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                               |                                                                                                                                                                                                                                                            |                               |
| <b>MM BIO-3. Avoid Indirect Impacts to Wetlands.</b> High-visibility fencing, flagging, or other markers shall be installed along the outer edges of the construction zone adjacent to wetlands and other waters designated for avoidance. The fencing location shall be determined by a qualified biologist in consultation with the project manager. No construction activities (e.g., clearing, grading, trenching, etc.), including vehicle parking and materials stockpiling, shall occur within the avoidance area. The exclusionary fencing shall be periodically inspected during construction activities to ensure the fencing is properly maintained. The fencing shall be removed upon completion of work.                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Prior to ground-disturbing activities and during ground-disturbing activities | Submit Worker Environmental Awareness Program Document to the County for review and approval. Submit records of attendance indicating date of training, location of training, and name of trainer, with name and signature of all attendees to the County. | Modoc County                  |
| <b>MM-BIO-4. Wetland Restoration Plan.</b> Prior to implementation of any work in wetlands or other waters of the State, the Applicant shall prepare a wetland restoration plan. At a minimum, the plan shall address the removal and storage of topsoil (which will be stockpiled for the duration of the test well development and evaluation); post-project removal of the constructed well pads, access roads, equipment, fencing, and other imported materials and equipment; restoration of pre-existing topography and site drainage; soil decompaction and other pre-planting site preparation activities, redistribution of the stockpiled topsoil; use of locally sourced native species for revegetation; sourcing of propagules, density of planting, and planting techniques and timing; post-planting monitoring activities and revegetation success criteria; maintenance activities such as weed control; annual reporting requirements; and adaptive management measures to ensure that the established success criteria are met. Plan implementation, monitoring, and reporting shall then be conducted by the Applicant as prescribed in the approved plan. | Prior to ground-disturbing activities and during ground-disturbing activities | Submit restoration plan for review                                                                                                                                                                                                                         | Modoc County                  |
| <b>MM BIO-5. Supplemental Botanical Survey and Evaluation.</b> Prior to project implementation, the Applicant shall conduct a supplemental field evaluation to evaluate the presence/absence of special-status plant species as well as noxious weed populations. The evaluation shall address any lands in the final project footprint that were not sufficiently addressed in the 2025 study (as described in this report). Upon completion of the evaluation, a botanical survey report meeting California Department of Fish and Wildlife standards shall be prepared and submitted for agency review and approval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Prior to ground-disturbing activities                                         | Submit report with results of surveys for review                                                                                                                                                                                                           | Modoc County                  |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Time Frame for Implementation                                                 | Steps to Compliance and Verification                                                          | Responsible Monitoring Agency |
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| <p><b>MM BIO-6. Mitigation Plan Addressing the Loss of Special-Status Plant Species.</b> Prior to Project implementation, a qualified biologist shall review the final project design to determine if work could directly or indirectly affect the special-status plant populations identified in the 2025 study or in subsequent botanical field surveys. If the project could directly or indirectly affect special-status plant species, a mitigation plan acceptable to the California Department of Fish and Wildlife shall be prepared and submitted to the agency for review and approval. Mitigation could potentially be achieved through reestablishment or enhancement of the existing populations on or adjacent to the work site, creation of new self-sustaining populations, preservation of offsite populations and surrounding buffer zones, or a combination of these approaches. Plan implementation, monitoring, and reporting shall then be conducted by the Applicant as prescribed in the approved plan. All reporting shall be concurrently submitted to the Modoc County Planning Director.</p>                                                                                                                                                                                                                                                                                                                                                                                                                           | Prior to ground-disturbing activities and during ground-disturbing activities | Submit report with results of surveys, and if necessary mitigation plan                       | Modoc County; CDFW            |
| <p><b>MM BIO-7. Supplemental Milkweed Survey.</b> Prior to project implementation, the Applicant shall conduct a supplemental field evaluation to evaluate the presence/absence of milkweeds (<i>Asclepias</i> spp.). The evaluation shall address any lands in the final project footprint that were not sufficiently addressed in the 2025 study (as described in this report). Upon completion of the evaluation, botanical survey report meeting California Department of Fish and Wildlife standards shall be prepared and submitted for agency review and approval.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Prior to ground-disturbing activities                                         | Submit report with results of surveys for review                                              | Modoc County                  |
| <p><b>MM BIO-8. Monarch Butterfly Breeding Habitat Loss Offset if Warranted.</b> The monarch butterfly is currently proposed for federal listing as threatened under the Endangered Species Act. Because no federal permits or funding would be needed for the Project, no mitigation is currently required at the federal level. If the western migratory population of the monarch butterfly is listed or is a Candidate for state listing at the time project construction is initiated, mitigation may be required. If mitigation is required, it shall consist of the following:</p> <ul style="list-style-type: none"> <li>• If milkweeds are present in or adjacent to the work area, and can be avoided during construction, temporary marking such as fencing or flagging shall be established to protect the plants; the marking shall be maintained in good condition throughout the duration of construction.</li> <li>• If the milkweeds cannot be avoided, then they shall be removed outside of the monarch summer breeding season, if possible. If milkweeds must be removed during the monarch breeding season, a biologist shall inspect each milkweed for the presence of monarch butterfly eggs, larvae, and pupae prior to its removal. If monarch butterfly eggs, larvae, or pupae are present, the milkweed shall not be removed until the biologist determines that the milkweed is no longer hosting the monarch butterfly. This may require rescheduling of construction in those areas supporting milkweeds.</li> </ul> | Prior to ground-disturbing activities and during ground-disturbing activities | Submit report with results of surveys and mitigation plan for review by CDFW or SFW if needed | Modoc County                  |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Time Frame for Implementation                                                        | Steps to Compliance and Verification                                                                                  | Responsible Monitoring Agency |
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| <ul style="list-style-type: none"> <li>If removal of milkweeds is required at any time during the pre-construction or construction periods, one of the following options shall be implemented: <ul style="list-style-type: none"> <li>If, prior to project initiation, the US Fish and Wildlife Service (USFWS) or California Department of Fish and Wildlife approves a mitigation banking or in-lieu fee program to offset impacts to the monarch butterfly, the project applicant shall purchase credits or pay fees at an amount/ratio acceptable to the agency.</li> <li>If no mitigation banking or in-lieu fee program is available prior to project initiation, the project applicant shall re-establish milkweeds in the immediate area in the fall or spring following completion of construction. This shall be accomplished by planting seeds or rooted milkweed seedlings/cuttings. The planted milkweeds shall be locally sources and of the same species as those removed. Planting shall be conducted at a sufficiently high ratio to ensure success, which is defined as establishing at least one milkweed plant per milkweed plant removed as determined through field monitoring one year after the milkweed planting is undertaken. If the minimum success ratio is not met, milkweed seeding/planting shall continue in successive years until the success criterion is met.</li> </ul> </li> </ul> <p>Documentation regarding milkweed re-establishment and success shall be provided to the lead agency on an annual basis until the success criterion is met. The planting program may be undertaken by the applicant, its contractors, or a third-party conservation-oriented entity such as a Resource Conservation District.</p> |                                                                                      |                                                                                                                       |                               |
| <p><b><u>MM BIO-9. Greater Sandhill Crane Activity Period Work Timing Restrictions.</u></b> To the greatest extent possible, ground-disturbing work (e.g., site preparation, well development, reclamation) shall be performed between September 1 and March 30 to avoid the greater sandhill crane breeding season.</p> <p>When work within the greater sandhill crane breeding season (April 1-August 30) cannot be avoided, preconstruction nesting greater sandhill crane surveys shall be completed within 0.5 miles of the proposed work area no more than 30 days prior to construction initiation. If no occupied nests are found, construction would proceed. If active nests or flightless young are identified within the survey area, a no-disturbance buffer shall be established at a distance of no less than 500 feet to minimize disturbance. The buffer may be increased at the discretion of a qualified biologist based on the nest location, topography, and cover. No ground-disturbing activities would occur within the 500-foot buffer around active nest sites.</p> <p>If active nests or flightless young are found within the survey area but outside of the 500-foot no-disturbance buffer, a qualified biologist shall be on site to monitor the nest/flightless young for signs of disturbance (e.g., agitated behavior or modified foraging or feeding behavior). If it is determined by the biologist that</p>                                                                                                                                                                                                                                                                                                              | <p>Prior to ground-disturbing activities and during ground-disturbing activities</p> | <p>Submit report with results of surveys and record of work stoppages and schedule Modoc County or CDFD as needed</p> | <p>Modoc County; CDFW</p>     |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Time Frame for Implementation                                                        | Steps to Compliance and Verification                                                                                  | Responsible Monitoring Agency |
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| <p>construction activities are resulting in disturbance, work shall cease immediately and CDFW shall be contacted to determine adequate protective measures.</p> <p>To the greatest extent possible, initiation of well drilling would be scheduled to begin during the non-breeding season to minimize noise disturbance as drilling is the project activity that would generate the most noise. Once drilling begins, noise generation would be sustained for up to 17 months, and therefore, constitute baseline conditions at the beginning of the subsequent nesting season. Additionally, an Applicant Proposed Measure is included in the Project to install mufflers/silencers on drilling equipment, further reducing noise impacts during drilling.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                      |                                                                                                                       |                               |
| <p><b>MM BIO-10. Swainson's Hawk Breeding Period Work Timing Restrictions.</b> To the greatest extent possible, ground-disturbing work (e.g., site preparation, well development, reclamation) shall be performed between September 1 and March 30 to avoid the Swainson's hawk nesting season. No potentially suitable nesting trees for Swainson's hawk shall be removed as part of the Project.</p> <p>When work within the Swainson's hawk nesting season (April 1-August 30) cannot be avoided, preconstruction nesting Swainson's hawk surveys shall be completed within 0.25 miles (1,320 ft) to 0.5 miles (2,640 feet) of the proposed work area no more than 15 days prior to any ground-disturbing project work. The survey area shall be determined at the discretion of a qualified biologist based on influencing factors such as topography or landcover. If active construction lapses for more than 15 days during the nesting season, another preconstruction survey for nesting Swainson's hawks shall be required. If active nests are identified within the survey area, a no-disturbance buffer shall be established at a distance of no less than 1,320 feet to minimize disturbance from noise and construction activity until the young have been confirmed to have fledged by a qualified biologist. A larger no-disturbance buffer may be implemented at the discretion of the qualified biologist.</p> <p>To the greatest extent possible, initiation of well drilling shall be scheduled to begin either during the non-breeding season or after nestlings within 1,320 feet of the well have been confirmed to have fledged by a qualified biologist to avoid potential sudden noise disturbance to nesting adults. Once drilling begins, noise generation shall be sustained for up to 17 months, and therefore, constitute baseline conditions at the beginning of the subsequent nesting season.</p> | <p>Prior to ground-disturbing activities and during ground-disturbing activities</p> | <p>Submit report with results of surveys and record of work stoppages and schedule Modoc County or CDFD as needed</p> | <p>Modoc County; CDFW</p>     |
| <p><b>MM BIO-11. Northwestern Pond Turtle and Northern Leopard Frog Avoidance.</b> Prior to commencement of construction activities within 500 feet of the pond east of well site 43-13, a qualified biologist shall conduct a pre-construction survey for northwestern pond turtles and northern leopard frogs at an appropriate time(s) of year. Alternatively, presence of these species could be presumed rather than conducting surveys. If the</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>Prior to ground-disturbing activities and during ground-disturbing activities</p> | <p>Submit report with results of surveys and mitigation plan for review by CDFW if needed</p>                         | <p>Modoc County</p>           |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Time Frame for Implementation | Steps to Compliance and Verification | Responsible Monitoring Agency |
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| <p>biologist can document that northwestern pond turtles and northern leopard frogs are not present in the pond, no additional work is needed.</p> <p>If northwestern pond turtles are confirmed present or presumed present:</p> <ul style="list-style-type: none"> <li>• Construction during the breeding season for northwestern pond turtles (April through August) shall be avoided if feasible.</li> <li>• Within one week prior to initiation of construction at work sites within 500 feet of the pond, preconstruction surveys shall be performed by a qualified biologist within the work site, including a 50-foot buffer, to determine whether northwestern pond turtles or active nests are present.</li> <li>• If active nests are present, they shall be flagged and avoided until the eggs have hatched or the nests are no longer active, as determined by the qualified biologist. To avoid impacts to northwestern pond turtles, construction shall not occur within 50 feet of an active nest site.</li> <li>• Prior to Project activities within 500 feet of the pond, exclusionary fencing shall be erected to ensure northwestern pond turtles are kept out of the construction area. This fencing will be maintained until the permanent chain link fencing around the well pad is in place. The integrity of the exclusion fencing will be checked daily.</li> <li>• The work site will be checked every morning before construction begins to ensure that no turtles are within the exclusion area.</li> <li>• If a northwestern pond turtle individual or nest is observed in the impact area, construction activities will stop until a qualified biologist establishes an appropriate buffer, or the turtle is no longer in the impact area.</li> <li>• A qualified biologist may relocate northwestern pond turtles to an appropriate nearby location if necessary. Relocation areas shall be approved by CDFW prior to relocation of any turtles.</li> </ul> <p>If northern leopard frogs are confirmed present or presumed present:</p> <ul style="list-style-type: none"> <li>• Exclusionary fencing shall be erected between the pond and work areas within 50 feet of the pond to prevent access to the site by migrating frogs.</li> <li>• The exclusionary fencing shall be inspected and maintained throughout the duration of construction.</li> <li>• If northern leopard frogs are encountered on site access roads or within the exclusionary fencing at any time during construction, construction personnel shall contact a qualified biologist and halt construction activities within 50 feet of the animal until it has left the area or is relocated by the qualified biologist.</li> </ul> |                               |                                      |                               |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Time Frame for Implementation                                                 | Steps to Compliance and Verification                                                           | Responsible Monitoring Agency |
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| <p><b>MM BIO-12. Nesting Bird Surveys and Avoidance.</b> In order to avoid impacts to nesting birds, including raptors, protected under the federal Migratory Bird Treaty Act and California Fish and Game Code §3503 and §3503.5, including their nests and eggs, one of the following shall be implemented:</p> <ul style="list-style-type: none"> <li>• Vegetation removal and other ground-disturbance activities associated with construction shall occur between September 1 and March 1 when birds are not nesting; or</li> <li>• If vegetation removal or ground disturbance activities occur during the nesting season, a pre-construction nesting survey shall be conducted by a qualified biologist to identify active nests in and adjacent to the work area.</li> </ul> <p>Surveys shall begin prior to sunrise and continue until vegetation and nests have been sufficiently observed. The survey shall take into account acoustic impacts and line-of-sight disturbances occurring as a result of the project in order to determine a sufficient survey radius to avoid nesting birds.</p> <p>At a minimum, the survey report shall include a description of the area surveyed, date and time of the survey, ambient conditions, bird species observed in the area, a description of any active nests observed, any evidence of breeding behaviors (e.g., courtship, carrying nest materials or food, etc.), and a description of any outstanding conditions that may have impacted the survey results (e.g., weather conditions, excess noise, the presence of predators, etc.).</p> <p>The results of the survey shall be submitted to the California Department of Fish and Wildlife upon completion. The survey shall be conducted no more than one week prior to the initiation of construction. If construction activities are delayed or suspended for more than one week after the pre-construction survey, the site shall be resurveyed.</p> <p>If active nests are found, the project biologist shall contact the California Department of Fish and Wildlife and the U.S. Fish and Wildlife Service regarding appropriate action to comply with the Migratory Bird Treaty Act and California Fish and Game Code §3503. Compliance measures may include, but are not limited to, exclusion buffers, sound-attenuation measures, seasonal work closures based on the known biology and life history of the species identified in the survey, as well as ongoing monitoring by biologists.</p> | Prior to ground-disturbing activities                                         | Submit report with results of surveys for review by CDFW if needed                             | Modoc County; CDFW            |
| <p><b>MM BIO-13. Minimize Impacts due to Night Lighting.</b> Project activities shall be designed to minimize the use of artificial light during the hours of dawn and dusk, as these times are when many wildlife species are most active. When night lighting must be used, it shall be motion-activated to decrease wildlife exposure to artificial light. The lighting shall also be shielded and directed downward and “warm” lighting shall be used to minimize wildlife disruption, i.e., LED lighting with a correlated color temperature at or under 2,700 Kelvin.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Prior to ground-disturbing activities and during ground-disturbing activities | Submit report<br>Nighttime lighting use and equipment used for nighttime lighting for approval | Modoc County                  |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Time Frame for Implementation                                                  | Steps to Compliance and Verification                                                           | Responsible Monitoring Agency |
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| <p><b><u>MM BIO-14. Avoid/Minimize the Potential for Introduction and Spread of Noxious Weeds.</u></b></p> <p>The potential for introduction and spread of noxious weeds shall be avoided/minimized by:</p> <ul style="list-style-type: none"> <li>Using only certified weed-free erosion control materials, mulch, and seed,</li> <li>Limiting any import or export of fill material to material that is known to be weed free, and</li> <li>Requiring the construction contractor to thoroughly wash all equipment at the nearest commercial wash facility prior to entering and upon leaving the job site.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | During plan development prior to construction and materials submitted; Ongoing | Applicant shall prepare a weed abatement plan for construction and submit to the Modoc County. | Modoc County                  |
| <b>Cultural Resources</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                |                                                                                                |                               |
| <p><b><u>MM CR-1. Further Cultural Resources Inventory.</u></b> All identified archaeological sites and historic buildings and structures shall be recorded on California Department of Parks and Recreation 523 Site Record forms for well site 45-12. A Historic Resources Identification Report shall be prepared to document the findings of the study; the report shall be submitted to the appropriate CHRIS Information Center. If the property has been subject to previous study, additional survey is not required if no cultural resources, including TCRs, were identified during the study and the age and adequacy of the report are considered sufficient by the consulting archaeologist for the purposes of the Project. The report from the previous survey can then be used to satisfy the CEQA requirements for historical resources. If the property has been subject to previous survey and a cultural resource has been identified within the proposed disturbance area, a qualified archaeologist shall conduct an intensive pedestrian survey to assess the current condition of the resource relative to the proposed action.</p>                                                                                                                                                                                                                      | Prior to ground-disturbing activities                                          | Prepare Treatment Plan and submit to County for review and approval, if necessary.             | Modoc County                  |
| <p><b><u>MM CR-2. Cultural Resources Monitoring.</u></b> Prior to ground-disturbing activities, the Applicant shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualification Standards to conduct archaeological monitoring during all initial ground disturbance at well sites 45-12, 82-13, 33-13, 33A-13, 43-13, 35-13, 46-13, 22-24, 31-24, 41-24, 81-24, and all associated access roads.</p> <p>The archaeological monitor shall follow the project's Post Review (Inadvertent) Discovery Plan and have the authority to temporarily halt or redirect ground-disturbing activities if cultural resources are encountered. All identified cultural resources shall be recorded on DPR 523 forms and submitted to the appropriate Information Centre. A monitoring report documenting activities, findings, and mitigation measures shall be prepared upon completion.</p> <p>This measure is necessary because survey efforts were limited by poor ground visibility, the full extent of cultural resources could not be determined, and cultural materials are present at multiple well pad locations. This measure will ensure that Project implementation shall not result in a substantial adverse change to historical resources as defined under CEQA Guidelines Section 15064.5, to mitigate any significant impacts.</p> | During ground-disturbing activities                                            | Contact County Coroner and NAHC, if necessary.                                                 | Modoc County                  |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Time Frame for Implementation       | Steps to Compliance and Verification           | Responsible Monitoring Agency |
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| <b>MM CR-3. Post Review (Inadvertent) Discovery Plan for Cultural Resources.</b> If cultural resources are encountered during ground-disturbing activities, work in the immediate area shall halt and an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983) should be contacted immediately to evaluate the find. If the discovery proves to be significant under CEQA, additional work such as data recovery excavation and Native American consultation shall be warranted to mitigate any significant impacts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | During ground-disturbing activities | Contact County Coroner and NAHC, if necessary. | Modoc County                  |
| <b>MM CR-4. Inadvertent Discovery Plan for Human Remains.</b> If human remains are identified, regulations outlined in the State of California Health and Safety Code Section 7050.5 state that no further disturbance shall occur until the County Coroner, in this case the Modoc County Coroner, has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the Modoc County Coroner must be notified immediately. If the remains are determined to be Indigenous, the Coroner will notify the Native American Heritage Commission, who will determine and notify a most likely descendent (MLD). The MLD shall complete the inspection of the site within 48 hours of being granted access and provide recommendations as to the treatment of the remains to the landowner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | During ground-disturbing activities | Contact County Coroner and NAHC, if necessary. | Modoc County                  |
| <b>Energy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     |                                                |                               |
| <b>ENG-1. Energy Conservation Control Measures.</b> The Applicant shall implement all the following applicable energy conservation control measures during construction of the Project: <ul style="list-style-type: none"> <li>Idling times on all diesel-fueled commercial vehicles over 10,000 pounds shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to five minutes (as required by the California airborne toxics control measure 13 CCR §2485). Clear signage to this effect shall be provided for construction workers at all access points.</li> <li>Idling times on all diesel-fueled off-road vehicles over 25 horsepower shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to five minutes and fleet operators must develop a written policy as required by 13 CCR §2449 ("CARB Off-Road Diesel Regulations").</li> <li>All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.</li> <li>Portable equipment shall be powered by electricity if available. If electricity is not available, propane or natural gas shall be used if feasible. Diesel engines shall only be used if electricity is not available, and it is not feasible to use propane or natural gas.</li> </ul> | During Construction activities      | Incorporate to worker education and protocols. | Modoc County                  |
| <b>Geology and Soils</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                |                               |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Time Frame for Implementation         | Steps to Compliance and Verification                             | Responsible Monitoring Agency |
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| <p><b>MM GEO-1. Prepare a Stormwater Pollution Prevention Plan.</b> A Stormwater Pollution Prevention Plan (SWPPP) would be developed and implemented to minimize erosion during construction and reclamation of the Project. The SWPPP would comply with the National Pollutant Discharge Elimination System (NPDES) General Construction Permit and would be required to include the following:</p> <ul style="list-style-type: none"> <li>• A detailed description of all Best Management Practices (BMPs) that will be employed</li> <li>• An outline of the areas on site that will be disturbed during construction and reclamation of the Project</li> <li>• A proposed schedule for the implementation of erosion control measures</li> </ul> <p>In addition, all surface water and drainage features within 1,000 feet of construction and reclamation activities shall be identified. Construction and reclamation activities within 100 feet of these resources shall implement the BMPs detailed in the SWPPP.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          | During Construction activities        | Submit a SWPPP to the County and SWRCB to review.                | Modoc County                  |
| <p><b>MM-GEO-1. Prepare Unanticipated Discovery Plan for Paleontological Resources.</b> If paleontological resources are encountered during ground-disturbing activities, work in the immediate area must halt and the County and a qualified Palaeontologist will be contacted immediately to evaluate the find. The Project should prepare an Unanticipated Discovery Plan for paleontological resources to establish the findings protocols and minimize potential for damaging paleontological resources</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | During ground-disturbing activities   | Contact Modoc County and Qualified Palaeontologist, if Necessary | Modoc County                  |
| <b>Hydrology and Water Quality</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |                                                                  |                               |
| <p><b>MM-HYD-1. Acquire Appropriate CWA Regulatory Permits, Prepare SWPPP, and Implement BMPs Prior to Construction.</b> The Applicant shall prepare a project-specific SWPPP and be responsible for securing coverage under SWRCB's NPDES stormwater permit for general construction activity (Order 2009-0009-DWQ). The SWPPP shall identify specific actions and BMPs relating to the prevention of stormwater pollution from project-related construction sources by identifying a practical sequence for site restoration, BMP implementation, contingency measures, responsible parties, and agency contacts. The SWPPP shall reflect localized surface hydrological conditions and shall be reviewed and approved by each project applicant prior to commencement of work and shall be made conditions of the contract with each contractor selected to build and decommission future renewable energy facilities developed under the Project. The SWPPP(s) shall, at a minimum, incorporate control measures in the following categories:</p> <ul style="list-style-type: none"> <li>• Soil stabilization and erosion control practices (e.g., hydroseeding, erosion control blankets, mulching)</li> <li>• Sediment control practices (temporary sediment basins, fibre rolls)</li> <li>• Temporary and postconstruction onsite and offsite runoff controls</li> <li>• Special considerations and BMPs for water crossings, wetlands, and drainages</li> </ul> | Prior to ground-disturbing activities | Submit a SWPPP to the County and SWRCB to review.                | Modoc County; SWRCB           |

| Mitigation Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Time Frame for Implementation | Steps to Compliance and Verification | Responsible Monitoring Agency |
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| <ul style="list-style-type: none"> <li>Monitoring protocols for discharge(s) and receiving waters, with emphasis placed on the following water quality objectives: dissolved oxygen, floating material, oil and grease, pH, and turbidity</li> <li>Waste management, handling, and disposal control practices</li> <li>Corrective action and spill contingency measures</li> <li>Agency and responsible party contact information</li> <li>Training procedures that shall be used to ensure that workers are aware of permit requirements and proper installation methods for BMPs specified in the SWPPP</li> </ul> <p>The SWPPP shall be prepared by a qualified SWPPP practitioner with BMPs selected to achieve maximum pollutant removal and that represent the best available technology that is economically achievable. Emphasis for BMPs shall be placed on controlling discharges of oxygen-depleting substances, floating material, oil and grease, acidic or caustic substances or compounds, and turbidity. BMPs for soil stabilization and erosion control practices and sediment control practices would also be required. Performance and effectiveness of these BMPs shall be determined either by visual means where applicable (i.e., observation of above-normal sediment release), or by actual water sampling in cases where verification of contaminant reduction or elimination, (inadvertent petroleum release) is required to determine adequacy of the measure.</p> |                               |                                      |                               |