



State of California – Natural Resources Agency  
DEPARTMENT OF FISH AND WILDLIFE  
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**GAVIN NEWSOM, Governor**  
**CHARLTON H. BONHAM, Director**



April 6, 2020

Governor's Office of Planning & Research

**APR 06 2020**

**STATE CLEARINGHOUSE**

Hector Guerra, Chief Environmental Planner  
Tulare County Resource Management Agency  
5961 South Mooney Boulevard  
Visalia, California 93277

**Subject: Rexford Solar Farm (Project)**  
**Notice of Preparation (NOP)**  
**SCH No. 2020020326**

Dear Mr. Guerra:

The California Department of Fish and Wildlife (CDFW) received a NOP for a draft Environmental Impact Report (DEIR) from the Tulare County Resource Management Agency for the above-referenced Project pursuant to the California Environmental Quality Act (CEQA) and CEQA Guidelines.<sup>1</sup>

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, CDFW appreciates the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under Fish and Game Code. While the comment period may have passed, CDFW would appreciate if the Tulare County Resource Management Agency will still consider our comments.

**CDFW ROLE**

CDFW is California's **Trustee Agency** for fish and wildlife resources and holds those resources in trust by statute for all the people of the State (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a)). CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically

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<sup>1</sup> CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

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sustainable populations of those species (*Id.*, § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources. CDFW is also submitting comments as a **Responsible Agency** under CEQA (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code. As proposed, for example, the Project may be subject to CDFW's lake and streambed alteration regulatory authority (Fish & G. Code, § 1600 et seq.). Likewise, to the extent implementation of the Project as proposed may result in "take" as defined by State law of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.), related authorization as provided by the Fish and Game Code will be required.

**Nesting Birds:** CDFW has jurisdiction over actions with potential to result in the disturbance or destruction of active nest sites or the unauthorized take of birds. Fish and Game Code sections that protect birds, their eggs and nests include sections 3503 (regarding unlawful take, possession or needless destruction of the nest or eggs of any bird), 3503.5 (regarding the take, possession or destruction of any birds-of-prey or their nests or eggs), and 3513 (regarding unlawful take of any migratory nongame bird).

In this role, CDFW is responsible for providing, as available, biological expertise during public agency environmental review efforts (e.g., CEQA), focusing specifically on Project activities that have the potential to adversely affect fish and wildlife resources. CDFW provides recommendations to identify potential impacts and possible measures to avoid or reduce those impacts.

## **PROJECT DESCRIPTION SUMMARY**

**Proponent:** 20SD 8ME LLC

**Objective:** The Project proposes the construction and operation of an up to 700 megawatt alternative current (MW AC) solar photovoltaic (PV) facility and an up to 700 MW AC energy storage system (ESS) on approximately 3,782 gross acres of land (on 40 dis-contiguous parcels) in unincorporated south-central Tulare County, California. The proposed Project would include a ground mounted PV solar power generating system, supporting structures, inverter modules, pad mounted transformers, ESS, access roads and fencing, and on-site substation. An operations and maintenance building may be constructed on the site.

The proposed Project would involve the construction of both transmission and collector lines. Power generated by the proposed Project would be transmitted to the Southern California Edison (SCE) Vestal Substation via an up to 230 kilovolt (KV) overhead

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and/or underground gen-tie line. The proposed transmission and/or collector lines would extend along existing roadway rights-of-way from various portions of the Project site (where substations are located) ultimately connecting to the SCE Vestal Substation. The transmission and/or collector lines would be located along portions of Road 232, Avenue 56, Avenue 64, Road 224, Road 240, Avenue 32, Richgrove Drive, and SR 65, or could possibly utilize additional nearby routings. The total length of the transmission and/or collector lines would be approximately 13 miles in length.

**Location:** The Project is located on approximately 3,782 acres of land near the unincorporated community of Ducor, in south-central Tulare County. The Project sites are generally located south of Avenue 68, west of Road 272, north of Avenue 12, and east of Road 216. The Project sites are bisected by and lies east of State Route 65. The Project is located in the Ducor and Richgrove U.S. Geological Survey 7.5-minute topographic quadrangles. The Public Lands Survey System maps the area as Township 23 south, Range 27 east, Sections 20-23, and 25-36; Township 23 south, Range 28 east, Sections 30, 31; and Township 24 south, Range 27 east, Sections 01-04, 08-11, 15-22, and 27-29.

**Timeframe:** N/A

## COMMENTS AND RECOMMENDATIONS

CDFW offers the following comments and recommendations to assist the Tulare County Resource Management Agency in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources. Editorial comments or other suggestions may also be included to improve the document.

There are many special-status resources present adjacent to the Project sites that these resources may need to be evaluated and addressed prior to any approvals that would allow ground-disturbing activities. CDFW is concerned regarding potential impacts to special-status species including, but not limited to, the State threatened Swainson's hawk (*Buteo swainsoni*), the State threatened and federally endangered San Joaquin kit fox (*Vulpes macrotis mutica*), the State candidate-listed as endangered Crotch bumble bee (*Bombus crotchii*), the State and federally endangered California jewelflower (*Caulanthus californicus*), the State endangered and federally threatened San Joaquin adobe sunburst (*Pseudobahia peirsonii*), and the State species of special concern burrowing owl (*Athene cunicularia*), American badger (*Taxidea taxus*), and western spadefoot toad (*Spea hammonii*).

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## **I. Environmental Setting and Related Impact**

**Would the Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by CDFW or the United States Fish and Wildlife Service (USFWS)?**

### **COMMENT 1: Swainson's Hawk (SWHA)**

**Issue:** SWHA have the potential to nest near and forage within the Project sites. The proposed Project will involve activities near large trees that may serve as potential nest sites.

**Specific impacts:** Without appropriate avoidance and minimization measures for SWHA, potential significant impacts that may result from Project activities include: nest abandonment, loss of nest trees, loss of foraging habitat that would reduce nesting success (loss or reduced health or vigor of eggs or young), and direct mortality. Any take of SWHA without appropriate incidental take authorization would be a violation of Fish and Game Code.

**Evidence impact is potentially significant:** SWHA exhibit high nest-site fidelity year after year and lack of suitable nesting habitat in the San Joaquin Valley limits their local distribution and abundance (CDFW 2016). Approval of the Project will lead to subsequent ground-disturbing activities that involve noise, groundwork, and movement of workers that could affect nests and has the potential to result in nest abandonment and loss of foraging habitat, significantly impacting local nesting SWHA.

### **Recommended Potentially Feasible Mitigation Measure(s)**

To evaluate potential impacts to SWHA associated with the Project, CDFW recommends conducting the following evaluation of the Project site, incorporating the following mitigation measures into the Environmental Impact Report (EIR) prepared for this Project, and that these measures be made conditions of approval for the Project.

### **Recommended Mitigation Measure 1: SWHA Surveys**

CDFW recommends that a qualified wildlife biologist conduct surveys for nesting SWHA following the survey methods developed by the Swainson's Hawk Technical Advisory Committee (SWHA TAC 2000) prior to project implementation. The SWHA TAC recommends a 0.5-mile survey distance from the limits of disturbance. The survey protocol includes early season surveys to assist the project proponent in implementing necessary avoidance and minimization measures, and in identifying active nest sites prior to initiating ground-disturbing activities.

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### **Recommended Mitigation Measure 2: SWHA No-disturbance Buffer**

If ground-disturbing activities are to take place during the normal bird breeding season (March 1 through September 15), CDFW recommends that additional pre-activity surveys for active nests be conducted by a qualified biologist no more than 10 days prior to the start of Project implementation to ensure that no SWHA have begun nesting activities near the Project sites. CDFW recommends a minimum no-disturbance buffer of ½-mile be delineated around active nests until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or parental care for survival.

### **Recommended Mitigation Measure 3: SWHA Take Authorization**

CDFW recommends that in the event an active SWHA nest is detected during surveys and a ½-mile no-disturbance buffer is not feasible, consultation with CDFW is warranted to discuss how to implement the project and avoid take. If take cannot be avoided, take authorization through the issuance of an Incidental Take Permit (ITP), pursuant to Fish and Game Code section 2081(b) is necessary to comply with CESA.

### **Recommended Mitigation Measure 4: Loss of SWHA Foraging Habitat**

CDFW recommends compensation for the loss of SWHA foraging habitat as described in CDFW's "Staff Report Regarding Mitigation for Impacts to Swainson's Hawks" (CDFG 1994) to reduce impacts to foraging habitat to less than significant. The Staff Report recommends that mitigation for habitat loss occur within a minimum distance of 10 miles from known nest sites. CDFW has the following recommendations based on the Staff Report:

- For projects within 1 mile of an active nest tree, a minimum of 1 acre of habitat management (HM) land for each acre of development is advised.
- For projects within 5 miles of an active nest but greater than 1 mile, a minimum of ¾ acre of HM land for each acre of development is advised.
- For projects within 10 miles of an active nest tree but greater than 5 miles from an active nest tree, a minimum of ½ acre of HM land for each acre of development is advised.

### **Recommended Mitigation Measure 5: SWHA Nest Trees**

CDFW recommends that the removal of known raptor nest trees, even outside of the nesting season, be replaced with an appropriate native tree species planting at a

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ratio of 3:1 at or near the Project sites or in another area that will be protected in perpetuity to reduce impacts resulting from the loss of nesting habitat.

## **COMMENT 2: San Joaquin Kit Fox (SJKF)**

**Issue:** SJKF have been documented to occur within the vicinity of the Project sites (CDFW 2020). Review of aerial imagery indicates that some of the Project sites are bordered by annual grassland. SJKF den in right-of-ways, vacant lots, etc., and populations can fluctuate over time. Presence/absence in any one year is not necessarily a reliable indicator of SJKF potential to occur on a site. SJKF may be attracted to project sites due to the type and level of ground-disturbing activities and the loose, friable soils resulting from intensive ground disturbance. As a result, there is potential for SJKF to colonize the Project sites or to occupy adjacent grassland.

**Specific impact:** Without appropriate avoidance and minimization measures for SJKF, potential significant impacts include den collapse, inadvertent entrapment, reduced reproductive success, reduction in health and vigor of young, and direct mortality of individuals.

**Evidence impact is potentially significant:** Habitat loss resulting from agricultural, urban, and industrial development is the primary threat to SJKF (Cypher et al. 2013). The Project sites are adjacent to some of the only remaining undeveloped land in the vicinity, which is otherwise intensively managed for agriculture. Therefore, subsequent ground-disturbing activities have the potential to significantly impact local SJKF populations.

### **Recommended Potentially Feasible Mitigation Measure(s) (Regarding Environmental Setting and Related Impact Shortcoming)**

To evaluate potential impacts to SJKF associated with the Project, CDFW recommends conducting the following evaluation of the Project site, incorporating the following mitigation measures into the EIR prepared for this Project, and that these measures be made conditions of approval for the Project.

#### **Recommended Mitigation Measure 6: SJKF Habitat Assessment**

CDFW recommends that a qualified biologist conduct a habitat assessment in advance of Project implementation, to determine if the Project sites or its immediate vicinity contains suitable habitat for SJKF.

#### **Recommended Mitigation Measure 7: SJKF Surveys**

CDFW recommends assessing presence/absence of SJKF by conducting surveys following the USFWS "Standardized recommendations for protection of the San Joaquin kit fox prior to or during ground disturbance" (2011). Specifically, CDFW

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advises conducting these surveys in all areas of potentially suitable habitat no less than 14 days and no more than 30 days prior to beginning of ground disturbing activities.

**Recommended Mitigation Measure 8: SJKF Take Authorization**

SJKF detection warrants consultation with CDFW to discuss how the Project will avoid take. If take cannot be avoided, then an (ITP), pursuant to Fish and Game Code § 2081(b), is necessary to comply with CESA.

**COMMENT 3: Crotch Bumble Bee (CBB)**

**Issue:** On June 28, 2019, the Fish and Game Commission published findings of its decision to advance CBB to State candidate for listing as endangered. Pursuant to Fish and Game Code section 2074.6, CDFW has initiated a status review report to inform the Commission's decision on whether listing of CBB, pursuant to CESA, is warranted. During the candidacy period, consistent with CEQA Guidelines section 15380, the status of the CBB as an endangered candidate species under CESA (Fish & G. Code, § 2050 et seq.) qualifies it as an endangered, rare, or threatened species under CEQA. It is unlawful to import into California, export out of California, or take, possess, purchase, or sell within California, CBB and any part or product thereof, or attempt any of those acts, except as authorized pursuant to CESA. Under Fish and Game Code section 86, take means to hunt, pursue, catch, capture, or kill, or to attempt to hunt, pursue, catch, capture, or kill. Consequently, take of CBB during the status review period is prohibited unless authorization pursuant to CESA is obtained.

CBB have the potential to occur within the Project sites. Suitable CBB habitat includes areas of grasslands and upland scrub that contain requisite habitat elements, such as small mammal burrows. CBB primarily nest in late February through late October underground in abandoned small mammal burrows, but may also nest under perennial bunch grasses or thatched annual grasses, under brush piles, in old bird nests, and in dead trees or hollow logs (Williams et al. 2014; Hatfield et al. 2015). Overwintering sites utilized by CBB mated queens include soft, disturbed soil (Goulson 2010), or under leaf litter or other debris (Williams et al. 2014). Therefore, ground disturbance and vegetation removal associated with Project implementation has the potential to significantly impact local CBB populations.

**Specific impact:** Without appropriate avoidance and minimization measures for CBB, potentially significant impacts associated with ground- and vegetation-disturbing activities associated with construction of the Project include loss of foraging plants, changes in foraging behavior, burrow collapse, nest abandonment,

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reduced nest success, reduced health and vigor of eggs, young and/or queens, in addition to direct mortality in violation of Fish and Game Code.

**Evidence impact is potentially significant:** CBB was once common throughout most of the central and southern California; however, it now appears to be absent from most of it, especially in the central portion of its historic range within California's Central Valley (Hatfield et al. 2014). Analyses by the Xerces Society et al. (2018) suggest there have been sharp declines in relative abundance by 98% and persistence by 80% over the last ten years.

**Recommended Potentially Feasible Mitigation Measure(s)**

To evaluate potential impacts to CBB associated with the Project, CDFW recommends conducting the following evaluation of the Project sites, incorporating the following mitigation measures into the EIR prepared for this Project, and that these measures be made conditions of approval for the Project.

**Recommended Mitigation Measure 9: CBB Surveys**

CDFW recommends that a qualified biologist conduct focused surveys for CBB and their requisite habitat features to evaluate potential impacts resulting from ground- and vegetation-disturbance associated with the Project.

**Recommended Mitigation Measure 10: CBB Take Avoidance**

If surveys cannot be completed, CDFW recommends that all small mammal burrows and thatched/bunch grasses be avoided by a minimum of 50 feet to avoid take and potentially significant impacts. If ground-disturbing activities will occur during the overwintering period (October through February), consultation with CDFW is warranted to discuss how to implement Project activities and avoid take. Any detection of CBB prior to or during Project implementation warrants consultation with CDFW to discuss how to avoid take.

**Recommended Mitigation Measure 11: CBB Take Authorization**

If CBB is identified during surveys, consultation with CDFW is warranted to determine if the Project can avoid take. If take cannot be avoided, take authorization prior to any ground-disturbing activities may be warranted. Take authorization would occur through issuance of an ITP by CDFW, pursuant to Fish and Game Code section 2081(b).

**COMMENT 4: San Joaquin adobe sunburst and California Jewelflower**

**Issue:** Aerial imagery shows that some of the Project sites consists of undisturbed grassland habitat. San Joaquin adobe sunburst and California jewelflower are known to occur in the vicinity of the Project sites (CDFW 2020). Without avoidance



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and minimization measures, the Project has the potential to take special-status plant species.

**Specific impact:** Without appropriate avoidance and minimization measures, potential impacts to special-status plant species include inability to reproduce and direct mortality. Unauthorized take of species listed as threatened, endangered, or rare pursuant to CESA or the Native Plant Protection Act is a violation of Fish and Game Code.

**Evidence impact would be significant:** Special-status plant species are threatened with habitat loss and habitat fragmentation resulting from development, vehicle and foot traffic, and introduction of non-native plant species (CNPS 2020), all of which may be unintended impacts of the Project. Therefore, impacts of the Project have the potential to significantly impact populations of the species mentioned above.

**Recommended Potentially Feasible Mitigation Measure(s)**

To evaluate potential impacts to special-status plants associated with the Project, CDFW recommends conducting the following evaluation of the Project sites, incorporating the following mitigation measures into the EIR prepared for this Project, and that these measures be made conditions of approval for the Project.

**Recommended Mitigation Measure 12: Special-Status Plant Focused Surveys**

CDFW recommends that the Project sites be surveyed for special-status plants by a qualified botanist following the "Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities" (CDFW 2018). This protocol, which is intended to maximize detectability, includes identification of reference populations to facilitate the likelihood of field investigations occurring during the appropriate floristic period. In the absence of protocol-level surveys being performed, additional surveys may be necessary.

**Recommended Mitigation Measure 13: Special-Status Plant Avoidance**

CDFW recommends special-status plant species be avoided whenever possible by delineation and observing a no-disturbance buffer of at least 50 feet from the outer edge of the plant population(s) or specific habitat type(s) required by special-status plant species. If buffers cannot be maintained, then consultation with CDFW is warranted to determine appropriate minimization and mitigation measures for impacts to special-status plant species.

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### **Recommended Mitigation Measure 14: Special-Status Plant Take Authorization**

If a State-listed plant species is identified during botanical surveys, consultation with CDFW is warranted to determine if the Project can avoid take. However, if take cannot be avoided, take authorization would need to occur through issuance of an ITP by CDFW to comply with Fish and Game Code section 1900 and California Code of Regulations, title 14, section 786.9, subdivision (b).

### **COMMENT 5: Burrowing Owl (BUOW)**

**Issue:** BUOW may occur within and/or adjacent to the Project sites. BUOW inhabit open grassland containing small mammal burrows, a requisite habitat feature used by BUOW for nesting and cover. Habitat both within and bordering the Project sites, supports grassland habitat (CDFW 2020).

**Specific impact:** Potentially significant direct impacts associated with subsequent activities and development include burrow collapse, inadvertent entrapment, nest abandonment, reduced reproductive success, reduction in health and vigor of eggs and/or young, and direct mortality of individuals.

**Evidence impact is potentially significant:** BUOW rely on burrow habitat year-round for their survival and reproduction. Habitat loss and degradation are considered the greatest threats to BUOW in California's Central Valley (Gervais et al. 2008). The Project sites contain and is bordered by some of the only remaining undeveloped land in the vicinity. Therefore, subsequent ground-disturbing activities associated with Project approval have the potential to significantly impact local BUOW populations. In addition, and as described in CDFW's "Staff Report on Burrowing Owl Mitigation" (CDFG 2012), excluding and/or evicting BUOW from their burrows is considered a potentially significant impact under CEQA.

### **Recommended Potentially Feasible Mitigation Measure(s) (Regarding Environmental Setting and Related Impact)**

To evaluate potential impacts to BUOW associated with the Project, CDFW recommends conducting the following evaluation of the Project sites, incorporating the following mitigation measures into the EIR prepared for this Project, and that these measures be made conditions of approval for the Project.

### **Recommended Mitigation Measure 15: BUOW Surveys**

CDFW recommends assessing presence/absence of BUOW by having a qualified biologist conduct surveys following the California Burrowing Owl Consortium's "Burrowing Owl Survey Protocol and Mitigation Guidelines" (CBOC 1993) and CDFW's "Staff Report on Burrowing Owl Mitigation" (CDFG 2012). Specifically,

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CBOC and CDFW's Staff Report suggest three or more surveillance surveys conducted during daylight with each visit occurring at least three weeks apart during the peak breeding season (April 15 to July 15), when BUOW are most detectable.

### **Recommended Mitigation Measure 16: BUOW Avoidance**

CDFW recommends no-disturbance buffers, as outlined in the "Staff Report on Burrowing Owl Mitigation" (CDFG 2012), be implemented prior to and during any ground-disturbing activities. Specifically, CDFW's Staff Report recommends that impacts to occupied burrows be avoided in accordance with the following table unless a qualified biologist approved by CDFW verifies through non-invasive methods that either: 1) the birds have not begun egg laying and incubation; or 2) that juveniles from the occupied burrows are foraging independently and are capable of independent survival.

Location	Time of Year	Level of Disturbance		
		Low	Med	High
Nesting sites	April 1-Aug 15	200 m*	500 m	500 m
Nesting sites	Aug 16-Oct 15	200 m	200 m	500 m
Nesting sites	Oct 16-Mar 31	50 m	100 m	500 m

\* meters (m)

### **COMMENT 6: Western spadefoot toad**

**Issue:** Western spadefoot inhabit grassland habitats, breed in seasonal wetlands, and seek refuge in upland habitat where they occupy burrows outside of the breeding season (Thomson et al. 2016). Review of aerial imagery indicates that the Project contains these requisite habitat elements.

**Specific impact:** Without appropriate avoidance and minimization measures for western spadefoot, potentially significant impacts associated with ground disturbance include collapse of small mammal burrows, inadvertent entrapment, loss of upland refugia, water quality impacts to breeding sites, reduced reproductive success, reduction in health and vigor of eggs and/or young, and direct mortality of individuals.

**Evidence impact is potentially significant:** Habitat loss and fragmentation resulting from agricultural and urban development is the primary threat to western spadefoot (Thomson et al. 2016). The Project sites are within the range of western spadefoot and contains suitable upland habitat (i.e., grasslands interspersed with burrows) and breeding habitat (i.e., vernal pools and swales). As a result, ground-disturbing activities associated with development of the Project sites have the potential to significantly impact local populations of this species.

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**Recommended Potentially Feasible Mitigation Measure(s)**

To evaluate potential impacts to western spadefoot associated with the Project, CDFW recommends conducting the following evaluation of the Project sites, incorporating the following mitigation measures into the EIR prepared for this Project, and that these measures be made conditions of approval for the Project.

**Recommended Mitigation Measure 17: Western Spadefoot Surveys**

CDFW recommends that a qualified biologist conduct focused surveys for western spadefoot and their requisite habitat features to evaluate potential impacts resulting from ground- and vegetation-disturbance.

**Recommended Mitigation Measure 18: Western Spadefoot Avoidance**

Avoidance whenever possible is encouraged via delineation and observance of a 50-foot no-disturbance buffer around burrows.

**COMMENT 7: American Badger**

**Issue:** American badger have the potential to occur on the Project sites. Badgers occupy sparsely vegetated land cover with dry, friable soils to excavate dens, which they use for cover, and that support fossorial rodent prey populations (i.e. ground squirrels, pocket gophers, etc.) (Zeiner et. al 1990). The Project sites may support these requisite habitat features. Therefore, the Project has the potential to impact American badger.

**Specific impact:** Without appropriate avoidance and minimization measures for American badger, potentially significant impacts associated with ground disturbance include direct mortality or natal den abandonment, which may result in reduced health or vigor of young.

**Evidence impact is potentially significant:** Habitat loss is a primary threat to American badger (Gittleman et al. 2001). The Project will involve construction of an approximately 27-mile long trail, resulting in a high degree of land conversion and potential habitat fragmentation. As a result, ground-disturbing activities have the potential to significantly impact local populations of American badger.

**Recommended Potentially Feasible Mitigation Measure(s)**

To evaluate potential impacts to American badger associated with the Project, CDFW recommends conducting the following evaluation of the Project sites, incorporating the following mitigation measures into the EIR prepared for this Project, and that these measures be made conditions of approval for the Project.

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### **Recommended Mitigation Measure 19: American Badger Surveys**

If suitable habitat is present, CDFW recommends that a qualified biologist conduct focused surveys for American badger and their requisite habitat features (dens) to evaluate potential impacts resulting from ground- and vegetation-disturbance.

### **Recommended Mitigation Measure 20: American Badger Avoidance**

Avoidance whenever possible is encouraged via delineation and observation of a 50-foot no-disturbance buffer around dens until it is determined through non-invasive means that individuals occupying the den have dispersed.

## **II. Editorial Comments and/or Suggestions**

**Lake and Streambed Alteration:** The Project is subject to CDFW's regulatory authority pursuant Fish and Game Code section 1600 et seq. Fish and Game Code section 1602 requires an entity to notify CDFW prior to commencing any activity that may (a) substantially divert or obstruct the natural flow of any river, stream, or lake; (b) substantially change or use any material from the bed, bank, or channel of any river, stream, or lake; or (c) deposit debris, waste or other materials that could pass into any river, stream, or lake. "Any river, stream, or lake" includes those that are ephemeral or intermittent, such as the White River adjacent to the Project sites, as well as those that are perennial in nature.

For additional information on notification requirements, please contact our staff in the Lake and Streambed Alteration Program at (559) 243-4593. It is important to note, CDFW is required to comply with CEQA, as a Responsible Agency, when issuing a Lake or Streambed Alteration Agreement. If inadequate, or no environmental review, has occurred, for the Project activities that are subject to notification under Fish and Game Code 1602, CDFW will not be able to issue the Final Lake and Streambed Alteration Agreement until CEQA analysis for the project is complete. This may lead to considerable Project delays.

**Nesting birds:** CDFW encourages that Project implementation occur during the bird non-nesting season; however, if ground-disturbing or vegetation-disturbing activities must occur during the breeding season (February through mid-September), the Project applicant is responsible for ensuring that implementation of the Project does not result in violation of the Migratory Bird Treaty Act or relevant Fish and Game Codes as referenced above.

To evaluate Project-related impacts on nesting birds, CDFW recommends that a qualified wildlife biologist conduct pre-activity surveys for active nests no more than 10 days prior to the start of ground or vegetation disturbance to maximize the probability that nests that could potentially be impacted are detected. CDFW also recommends

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that surveys cover a sufficient area around the Project sites to identify nests and determine their status. A sufficient area means any area potentially affected by the Project. In addition to direct impacts (i.e. nest destruction), noise, vibration, and movement of workers or equipment could also affect nests. Prior to initiation of construction activities, CDFW recommends that a qualified biologist conduct a survey to establish a behavioral baseline of all identified nests. Once construction begins, CDFW recommends having a qualified biologist continuously monitor nests to detect behavioral changes resulting from the Project. If behavioral changes occur, CDFW recommends halting the work causing that change and consulting with CDFW for additional avoidance and minimization measures.

If continuous monitoring of identified nests by a qualified wildlife biologist is not feasible, CDFW recommends a minimum no-disturbance buffer of 250 feet around active nests of non-listed bird species and a 500-foot no-disturbance buffer around active nests of non-listed raptors. These buffers are advised to remain in place until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or on-site parental care for survival. Variance from these no-disturbance buffers is possible when there is compelling biological or ecological reason to do so, such as when the construction areas would be concealed from a nest site by topography. CDFW recommends that a qualified wildlife biologist advise and support any variance from these buffers and notify CDFW in advance of implementing a variance.

**Federally Listed Species:** CDFW recommends consulting with the USFWS on potential impacts to federally listed species including, but not limited to, SJKF, San Joaquin adobe sunburst, and California jewelflower. Take under the Federal Endangered Species Act (FESA) is more broadly defined than CESA; take under FESA also includes significant habitat modification or degradation that could result in death or injury to a listed species by interfering with essential behavioral patterns such as breeding, foraging, or nesting. Consultation with the USFWS in order to comply with FESA is advised well in advance of any ground disturbing activities.

## **ENVIRONMENTAL DATA**

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database which may be used to make subsequent or supplemental environmental determinations (Pub. Resources Code, § 21003, subd. (e)). Accordingly, please report any special-status species and natural communities detected during Project surveys to the California Natural Diversity Database (CNDDDB). The CNDDDB field survey form can be found at the following link: <https://www.wildlife.ca.gov/Data/CNDDDB/Submitting-Data>. The completed form can be mailed electronically to CNDDDB at the following email address: [CNDDDB@wildlife.ca.gov](mailto:CNDDDB@wildlife.ca.gov). The types of information reported to CNDDDB can be found at the following link: <https://www.wildlife.ca.gov/Data/CNDDDB/Plants-and-Animals>.

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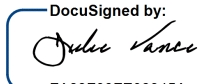
## FILING FEES

If it is determined that the Project has the potential to impact biological resources, an assessment of filing fees will be necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the fee is required in order for the underlying project approval to be operative, vested, and final (Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089).

CDFW appreciates the opportunity to comment on the Project to assist the Tulare County Resource Management Agency in identifying and mitigating the Project's impacts on biological resources.

More information on survey and monitoring protocols for sensitive species can be found at CDFW's website (<https://www.wildlife.ca.gov/Conservation/Survey-Protocols>). If you have any questions, please contact Jim Vang, Environmental Scientist, at the address provided on this letterhead, by telephone at (559) 243-4014 extension 254, or by electronic mail at [Jim.Vang@wildlife.ca.gov](mailto:Jim.Vang@wildlife.ca.gov).

Sincerely,

DocuSigned by:  
  
FA83F09FE08945A...  
Julie A. Vance  
Regional Manager

Attachment

cc: United States Fish and Wildlife Service  
2800 Cottage Way, Suite W-2605  
Sacramento, California 95825

ec: Linda Connolly  
California Department of Fish and Wildlife

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**Attachment 1****CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE  
RECOMMENDED MITIGATION MONITORING AND REPORTING PROGRAM  
(MMRP)****PROJECT: Rexford Solar Farm Project****SCH No.: 2020020326**

<b>RECOMMENDED MITIGATION MEASURE</b>	<b>STATUS/DATE/INITIALS</b>
<i>Before Disturbing Soil or Vegetation</i>	
Mitigation Measure 1: SWHA Surveys	
Mitigation Measure 3: SWHA Take Authorization	
Mitigation Measure 4: Loss of SWHA Foraging Habitat	
Mitigation Measure 5: SWHA Nest Trees	
Mitigation Measure 6: SJKF Habitat Assessment	
Mitigation Measure 7: SJKF Surveys	
Mitigation Measure 8: SJKF Take Authorization	
Mitigation Measure 9: CBB Surveys	
Mitigation Measure 11: CBB Take Authorization	
Mitigation Measure 12: Special-Status Plant Focused Surveys	
Mitigation Measure 14: Special-Status Plant Take Authorization	
Mitigation Measure 15: BUOW Surveys	
Mitigation Measure 17: Western Spadefoot Surveys	
Mitigation Measure 19: American Badger Surveys	
<i>During Construction</i>	
Mitigation Measure 2: SWHA No-disturbance Buffer	
Mitigation Measure 10: CBB Take Avoidance	
Mitigation Measure 13: Special-Status Plant Avoidance	
Mitigation Measure 16: BUOW Avoidance	
Mitigation Measure 18: Western Spadefoot Avoidance	
Mitigation Measure 20: American Badger Avoidance	