

## IV.1 MITIGATION MONITORING AND REPORTING PROGRAM

### Iris Cluster Solar Farm Project, County of Imperial

The County of Imperial will adopt this Mitigation Monitoring and Reporting Program (MMRP) in accordance with Public Resources Code (PRC) Section 21081.6 and Section 15097 of the California Environmental Quality Act (CEQA) Guidelines. The purpose of the MMRP is to ensure that the Iris Cluster Solar Farm Project, which is the subject of the Environmental Impact Report (EIR), comply with all applicable environmental mitigation requirements. The mitigation measures for the project will be adopted by the County of Imperial, in conjunction with the adoption of the EIR. The mitigation measures have been integrated into this MMRP. Within this document, the approved mitigation measures are organized and referenced by subject category and include: Aesthetics, Agricultural Resources, Air Quality, Biological Resources, Cultural Resources, Geology and Soils, Greenhouse Gas Emissions, Hazards and Hazardous Materials, Hydrology and Water Quality, and Noise and Vibration. The mitigation measures are provided in Table 1. The specific mitigation measures are identified, as well as the monitoring method, responsible monitoring party, monitoring phase, verification/approval party, date mitigation measure verified or implemented, location of documents (monitoring record), and completion requirement for each mitigation measure.

The mitigation measures applicable to the project include avoiding certain impacts altogether, minimizing impacts by limiting the degree or magnitude of the action and its implementation, and/or reducing or eliminating impacts over time by maintenance operations during the life of the action.

Public Resources Code Section 21081.6 requires the Lead Agency, for each project that is subject to CEQA, to monitor performance of the mitigation measures included in any environmental document to ensure that implementation does, in fact, take place. The County of Imperial is the designated CEQA lead agency for the Mitigation Monitoring and Reporting Program. The County of Imperial is responsible for review of all monitoring reports, enforcement actions, and document disposition as it relates to impacts within the County's jurisdiction. The County of Imperial will rely on information provided by the monitor as accurate and up to date and will field check mitigation measure status as required.

A record of the MMRP will be maintained at County of Imperial, Department of Planning and Development Services, 801 Main Street, El Centro, CA 92243. All mitigation measures contained in the EIR shall be made conditions of the project as may be further described below.

**TABLE IV-1. IRIS CLUSTER SOLAR FARM PROJECT  
MITIGATION, MONITORING, AND REPORTING PROGRAM CHECKLIST**

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
<b>Chapter 4.1 Aesthetics</b>									
FSF, RSF, ISF, and LSF	4.1-4	<p><b>Installation of Fence Slats.</b> Based on final engineering and design, neutral colored security fence slats shall be installed in the following areas:</p> <ul style="list-style-type: none"> <li>• <b>Fixed Tilt</b> – Fence slats shall be installed for all portions of the project study areas with fixed-tilt trackers installed that face a roadway to the south.</li> <li>• <b>Double Axis Trackers</b> – Fence slats shall be installed for all portions of the project study areas with double axis trackers installed that face a roadway to the east and/or west.</li> </ul>	Prior to issuance of a building permit, the Department of Planning and Development Services shall verify that neutral colored security fence slats are incorporated into the project's design.	Department of Planning and Development Services	Prior to issuance of a building permit	Department of Planning and Development Services			
<b>Chapter 4.2 Agricultural Resources</b>									
FSF, RSF, ISF, and LSF	4.2-1a	<p><b>Payment of Agricultural and Other Benefit Fees.</b> One of the following options included below is to be implemented prior to the issuance of a grading permit or building permit (whichever is issued first) for the Project:</p> <p><b>A. Mitigation for Non Prime Farmland.</b></p> <p><b>Option 1: Provide Agricultural Conservation Easement(s).</b> The Permittee shall procure Agricultural Conservation Easements on a “1 to 1” basis on land of equal size, of equal quality farmland, outside the path of development. The conservation easement shall meet DOC regulations and shall be recorded prior to issuance of any grading or building permits.</p> <p><b>Option 2: Pay Agricultural In-Lieu Mitigation Fee.</b> The Permittee shall pay an “Agricultural In-Lieu Mitigation Fee” in the amount of 20 percent of the fair market value per acre for the total acres of the proposed site based on five comparable sales of land used for agricultural purposes as of the</p>	Prior to the issuance of a grading permit, Planning and Development Services shall verify that the Applicant has implemented one of the following mitigation options for Non Prime Farmland: procured a conservation easement, paid an agricultural in-lieu mitigation fee, or entered into an enforceable Public Benefit Agreement or Development Agreement with the County.	Department of Planning and Development Services	Prior to the issuance of a grading permit	Department of Planning and Development Services			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>effective date of the permit, including programs costs on a cost recovery/time and material basis. The Agricultural In-Lieu Mitigation Fee, will be placed in a trust account administered by the Imperial County Agricultural Commissioner’s office and will be used for such purposes as the acquisition, stewardship, preservation and enhancement of agricultural lands within Imperial County; or,</p> <p><b>Option 3: Public Benefit Agreement.</b> The Permittee and County voluntarily enter into an enforceable Public Benefit Agreement or Development Agreement that includes an Agricultural Benefit Fee payment that is (1) consistent with Board Resolution 2012-005; 2) the Agricultural Benefit Fee must be held by the County in a restricted account to be used by the County only for such purposes as the stewardship, preservation and enhancement of agricultural lands within Imperial County and to implement the goals and objectives of the Agricultural Benefit program, as specified in the Development Agreement, including addressing the mitigation of agricultural job loss on the local economy.</p> <p><b>B. Mitigation for Prime Farmland.</b>  <b>Option 1: Provide Agricultural Conservation Easement(s).</b> Agricultural Conservation Easements on a “2 to 1” basis on land of equal size, of equal quality farmland, outside the path of development. The Conservation Easement shall meet DOC regulations and shall be recorded prior to issuance of any grading or building permits; or</p> <p><b>Option 2: Pay Agricultural In-Lieu Mitigation Fee.</b> The Permittee shall pay an “Agricultural In-Lieu Mitigation Fee” in the amount of 30% of the fair market value per acre for the total acres of the proposed site based on five comparable sales of land used for agricultural purposes as of the effective</p>	<p>Prior to the issuance of a grading permit, Planning and Development Services shall verify that the Applicant has implemented one of the following mitigation options for Prime Farmland: procured a conservation easement, paid an agricultural in-lieu mitigation fee, entered into an enforceable Public Benefit Agreement or Development Agreement with the County, or submitted revised applicable CUP applications and associated site plans.</p>						

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>date of the permit, including program costs on a cost recovery/time and material basis. The Agricultural In-Lieu Mitigation Fee, will be placed in a trust account administered by the Imperial County Agricultural Commissioner’s office and will be used for such purposes as the acquisition, stewardship, preservation and enhancement of agricultural lands within Imperial County.</p> <p><b>Option 3: Public Benefit Agreement.</b> The Permittee and County enter into an enforceable Public Benefit Agreement or Development Agreement that includes an Agricultural Benefit Fee payment that is (1) consistent with Board Resolution 2012-005; (2) the Agricultural Benefit Fee must be held by the County in a restricted account to be used by the County only for such purposes as the stewardship, preservation and enhancement of agricultural lands within Imperial County and to implement the goals and objectives of the Agricultural Benefit program, as specified in the Development Agreement, including addressing the mitigation of agricultural job loss on the local economy; the Project and other recipients of the Project’s Agricultural Benefit Fee funds; or emphasis on creation of jobs in the agricultural sector of the local economy for the purpose of off-setting jobs displaced by this Project.</p> <p><b>Option 4: Avoid Prime Farmland.</b> The Permittee must revise their CUP Application/Site Plan to avoid Prime Farmland.</p>							
FSF, RSF, ISF, and LSF	4.2-1b	<p><b>Site Reclamation Plan.</b> The DOC has clarified the goal of a reclamation and decommissioning plan: the land must be restored to land which can be farmed. In addition to MM 4.2.1a for Prime Farmland and Non-Prime Farmland, the Applicant shall submit to Imperial County a Reclamation Plan prior to issuance of a grading permit. The Reclamation Plan shall document the procedures by which each CUP will be</p>	Prior to issuance of a grading permit, Planning and Development Services shall review and approve the Reclamation Plan. Planning and Development Services shall also	Department of Planning and Development Services	Prior to the issuance of a grading permit	Department of Planning and Development Services			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		returned to its current agricultural condition/LESA score of 75.71 for FSF, 71.06 for RSF, 72.75 for ISF, and 69.29 for LSF. Permittee also shall provide financial assurance/bonding in the amount equal to a cost estimate prepared by a California-licensed general contractor or civil engineer for implementation of the Reclamation Plan in the event Permittee fails to perform the Reclamation Plan.	verify that the Permittee has provided financial assurance/bonding.						
FSF, RSF, ISF, LSF, and Transmission Line	4.2-2	<p>Prior to the issuance of a grading permit or building permit (whichever occurs first), a Weed and Pest Control Plan shall be developed by the project applicant and approved by the County of Imperial Agricultural Commissioner. The plan shall provide the following:</p> <ol style="list-style-type: none"> <li>1. Monitoring, preventative, and management strategies for weed and pest control during construction activities at any portion of the project (e.g., transmission line);</li> <li>2. Control and management of weeds and pests in areas temporarily disturbed during construction where native seed will aid in site revegetation as follows; <ul style="list-style-type: none"> <li>• Monitor for all pests including insects, vertebrates, weeds, and pathogens. Promptly control or eradicate pests when found, or when notified by the Agricultural Commissioner's office that a pest problem is present on the project site;</li> <li>• All treatments must be performed by a qualified applicator or a licensed pest control operator;</li> <li>• "Control" means to reduce the population of common pests below economically damaging levels, and includes attempts to exclude pests before</li> </ul> </li> </ol>	Prior to the issuance of a grading permit, Planning and Development services shall review and approve the Weed and Pest Control Plan.	Department of Planning and Development Services and Agricultural Commissioner	Prior to the issuance of a grading permit	Department of Planning and Development Services  Agricultural Commissioner			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>infestation, and effective control methods after infestation. Effective control methods may include physical/mechanical removal, bio control, cultural control, or chemical treatments;</p> <ul style="list-style-type: none"> <li>• Notify the Agricultural Commissioner's office immediately regarding any suspected exotic/invasive pest species such as A- and Q-rated pest species as defined by the California Department of Food Agriculture (CDFA). Eradication of exotic pests shall be done under the direction of the Agricultural Commissioner's Office and/or CDFA;</li> <li>• Obey all pesticide use laws, regulations, and permit conditions;</li> <li>• Access shall be allowed by Agricultural Commissioner staff for routine visual and trap pest surveys, compliance inspections, eradication of exotic pests, and other official duties;</li> <li>• All project employees that handle pest control issues shall be appropriately trained and certified, and all required records shall be maintained and made available for inspection. All required permits shall be maintained current;</li> <li>• Records of pests found and controlled shall be maintained and available for review, or submitted to the Agricultural Commissioner's office on a quarterly basis;</li> </ul>							

## IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>3. A long-term strategy for weed and pest control and management during the operation of the proposed project. Such strategies may include, but are not limited to:</p> <p style="margin-left: 20px;">a. Use of specific types of herbicides and pesticides on a scheduled basis.</p> <p>4. Maintenance and management of project site conditions to reduce the potential for a significant increase in pest-related nuisance conditions on adjacent agricultural lands.</p>							
<b>Chapter 4.3 Air Quality</b>									
FSF, RSF, ISF and LSF, and Transmission Line	4.3-2a	<b>Construction Equipment.</b> Construction equipment shall be equipped with an engine designation of EPA Tier 2 or better (Tier 2+). A list of the construction equipment, including all off-road equipment utilized at each of the projects by make, model, year, horsepower and expected/actual hours of use, and the associated EPA Tier shall be submitted to the County Planning and Development Services Department and ICAPCD prior to the issuance of a grading permit. The ICAPCD shall utilize this list to calculate air emissions to verify that equipment use does not exceed significance thresholds. The Planning and Development Services Department and ICAPCD shall verify implementation of this measure.	Prior to the issuance of a grading permit, ICAPCD shall verify that construction equipment are equipped with an engine designation of EPA Tier 2 or better.	Department of Planning and Development Services and ICAPCD	Prior to the issuance of a grading permit	Department of Planning and Development Services and ICAPCD			
FSF, RSF, ISF and LSF, and Transmission Line	4.3-2b	<b>Fugitive Dust Control.</b> Pursuant to ICAPCD, all construction sites, regardless of size, must comply with the requirements contained within Regulation VIII-Fugitive Dust Control Measures. Whereas these Regulation VIII measures are mandatory and are not considered project environmental mitigation measures, the ICAPCD CEQA Handbook's required additional standard and enhanced mitigation measures listed below shall be implemented prior to and during construction. The County Department of Public Works will verify implementation and	Prior to and during construction, the ICAPCD will verify that the project is in compliance with Regulation VIII-Fugitive Dust Control Measures.	Department of Planning and Development Services and ICAPCD	Prior to and during construction	Department of Public Works			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>compliance with these measures as part of the grading permit review/approval process.</p> <p><b>ICAPCD Standard Measures for Fugitive Dust (PM<sub>10</sub>) Control</b></p> <ul style="list-style-type: none"> <li>• All disturbed areas, including bulk material storage which is not being actively utilized, shall be effectively stabilized and visible emissions shall be limited to no greater than 20% opacity for dust emissions by using water, chemical stabilizers, dust suppressants, tarps or other suitable material such as vegetative ground cover.</li> <li>• All on-site and off-site unpaved roads will be effectively stabilized and visible emissions shall be limited to no greater than 20% opacity for dust emissions by paving, chemical stabilizers, dust suppressants and/or watering.</li> <li>• All unpaved traffic areas one acre or more with 75 or more average vehicle trips per day shall be effectively stabilized and visible emission shall be limited to no greater than 20% opacity for dust emissions by paving, chemical stabilizers, dust suppressants and/or watering.</li> <li>• The transport of bulk materials shall be completely covered unless six inches of freeboard space from the top of the container is maintained with no spillage and loss of bulk material. In addition, the cargo compartment of all haul trucks shall be cleaned and/or washed at delivery site after removal of bulk material.</li> <li>• All Track-Out or Carry-Out shall be cleaned at the end of each workday or immediately when mud or dirt extends a cumulative distance of 50</li> </ul>							



IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>linear feet or more onto a paved road within an urban area.</p> <ul style="list-style-type: none"> <li>• Movement of bulk material handling or transfer shall be stabilized prior to handling or at points of transfer with application of sufficient water, chemical stabilizers or by sheltering or enclosing the operation and transfer line.</li> <li>• The construction of any new unpaved road is prohibited within any area with a population of 500 or more unless the road meets the definition of a temporary unpaved road. Any temporary unpaved road shall be effectively stabilized and visible emissions shall be limited to no greater than 20% opacity for dust emission by paving, chemical stabilizers, dust suppressants and/or watering.</li> </ul> <p><b>ICAPCD “Discretionary” Measures for Fugitive Dust (PM<sub>10</sub>) Control</b></p> <ul style="list-style-type: none"> <li>• Water exposed soil with adequate frequency for continued moist soil, including a minimum of three wettings per day during grading activities.</li> <li>• Replace ground cover in disturbed areas as quickly as possible.</li> <li>• Install automatic sprinkler system on all soil piles.</li> <li>• Vehicle speed for all construction vehicles shall not exceed 15 mph on any unpaved surface at the construction site.</li> <li>• Implement the trip reduction plan to achieve a 1.5 average vehicle ridership (AVR) for construction employees.</li> <li>• Implement a shuttle service to and from retail services and food establishments during lunch hours.</li> </ul>							

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p><b>Standard Mitigation Measures for Construction Combustion Equipment</b></p> <ul style="list-style-type: none"> <li>Use of alternative fueled or catalyst equipped diesel construction equipment, including all off-road and portable diesel powered equipment.</li> <li>Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes as a maximum.</li> <li>Limit, to the extent feasible, the hours of operation of heavy-duty equipment and/or the amount of equipment in use.</li> <li>Replace fossil fueled equipment with electrically driven equivalents (provided they are not run via a portable generator set).</li> </ul> <p>To help provide a greater degree of reduction of PM emissions from construction combustion equipment the ICAPCD recommends the following enhanced measures.</p> <p><b>Enhanced Mitigation Measures for Construction Equipment</b></p> <ul style="list-style-type: none"> <li>Curtail construction during periods of high ambient pollutant concentrations; this may include ceasing of construction activity during the peak hour of vehicular traffic on adjacent roadways.</li> <li>Implement activity management (e.g., rescheduling activities to reduce short-term impacts).</li> </ul>							
	4.3-2c	<i>Mitigation measure 4.3-2c was deleted.</i>							
FSF, RSF, ISF and LSF, and Transmission Line	4.3-2d	<p><b>Dust Suppression.</b> The project applicant shall employ a method of dust suppression (such as water or chemical stabilization) approved by ICAPCD. The project applicant shall apply chemical stabilization as directed by the product manufacturer to control dust between the panels as approved by ICAPCD.</p>	During construction, the Department of Planning and Development Services shall verify that the	Department of Planning and Development Services	During construction	Department of Planning and Development Services			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		and other non-used areas (exceptions will be the paved entrance and parking area, operations and maintenance building, and Fire Department access/emergency entry/exit points as approved by Fire/OES Department).	project applicant is employing a method of dust suppression approved by ICAPCD.						
FSF, RSF, ISF and LSF, and Transmission Line	4.3-2e	<p><b>Dust Suppression Management Plan.</b> Prior to any earthmoving activity, the applicant shall submit and obtain approval from the ICAPCD and Imperial County Planning and Development Services Department (ICPDSD) a construction Dust Control Plan. Prior to the issuance of a Certificate of Occupancy, the applicant shall submit and obtain approval from the ICAPCD and ICPDSD an Operations Dust Control Plan.</p> <p>ICAPCD Rule 310 Operational Fees apply to any project applying for a building permit. At the time that building permits are submitted for the proposed projects, the ICAPCD shall review the project to determine if Rule 310 fees are applicable to the proposed projects. The project applicant shall pay an "Operational Fee" to the ICAPCD for the square footage of the operations and maintenance building and substation as determined applicable by the ICAPCD pursuant to Rule 310.</p>	<p>Prior to any earthmoving activity, the Department of Planning and Development shall review and approve a construction Dust Control Plan.</p> <p>Prior to the issuance of a Certificate of Occupancy, the applicant shall submit and obtain approval from the ICAPCD and ICPDSD an Operations Dust Control Plan.</p>	Department of Planning and Development Services	Prior to construction, prior to issuance of a Certificate of Occupancy	Department of Planning and Development Services and ICAPCD			
<b>Chapter 4.4 Biological Resources</b>									
FSF, RSF, ISF, LSF, and Transmission Line	4.4-1a	<p><b>Burrowing Owl Mitigation.</b> Burrowing owls have been observed in the active agricultural fields within the project sites. The following measures will avoid, minimize, or mitigate potential impacts to burrowing owl during construction activities:</p> <ol style="list-style-type: none"> <li>1. During non-breeding season (September through January) a distance of 160 feet shall be maintained between active burrows and construction activities. A qualified biologist may also employ the technique of sheltering in place (using hay bales to shelter the</li> </ol>	<p>Prior to construction, the Planning and Development Services shall verify that pre-construction surveys were conducted.</p> <p>If active burrows are present, the measures as providing in</p>	Department of Planning and Development Services	Prior to and during construction	Department of Planning and Development Services and CDFW			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>burrow from construction activities). If this technique is employed, the sheltered area shall be monitored weekly by a qualified biologist.</p> <p>2. If construction is to begin during the breeding season, the following measures (Measure 4 below) shall be implemented prior to February 1 to discourage the nesting of the burrowing owls within the project footprint. As construction continues, any area where owls are sighted shall be subject to frequent surveys by the qualified biologist for burrows before the breeding season begins, so that owls can be properly relocated before nesting occurs.</p> <p>3. Within 30 days prior to initiation of construction, pre-construction clearance surveys for this species shall be conducted by qualified and agency-approved biologists to determine the presence or absence of this species within the project footprint. This is necessary, as burrowing owls may not use the same burrow every year; therefore, numbers and locations of burrowing owl burrows at the time of construction may differ from the data collected during previous focused surveys. The proposed project footprint shall be clearly demarcated in the field by the project engineers and biologist prior to the commencement of the pre-construction clearance survey. The surveys shall follow the protocols provided in the <i>Burrowing Owl Survey Protocol and Mitigation Guidelines</i>.</p> <p>4. If active burrows are present within the project footprint, the following mitigation measures shall be</p>	<p>Mitigation Measures 4.4-1a and 4.4-1b shall be implemented.</p>						

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>implemented. Passive relocation methods are to be used by the biological monitors to move the owls out of the impact zone. Passive relocation shall only be done in the non-breeding season in accordance with the guidelines found in the <i>Imperial Irrigation District Artificial Burrow Installation Manual</i>. This includes covering or excavating all burrows and installing one-way doors into occupied burrows. This will allow any animals inside to leave the burrow, but will exclude any animals from re-entering the burrow. A period of at least one week is required after the relocation effort to allow the birds to leave the impacted area before construction of the area can begin. The burrows shall then be excavated and filled in to prevent their reuse. The destruction of the active burrows on-site requires construction of new burrows at a mitigation ratio of 2:1 at least 50 meters from the impacted area and must be constructed as part of the above-described relocation efforts. The construction of new burrows will take place within open areas in the solar fields such as detention basins.</p> <p>5. As the project construction schedule and details are finalized, an agency-approved biologist shall prepare a Burrowing Owl Mitigation and Monitoring Plan that will detail the approved, site-specific methodology proposed to minimize and mitigate impacts to this species. Passive relocation, destruction of burrows, construction of artificial burrows, and a Forage Habitat Plan shall only be</p>							

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		completed upon prior approval by and in cooperation with the CDFW. The Mitigation and Monitoring Plan shall include success criteria, remedial measures, and an annual report to CDFW and shall be funded by the project applicant to ensure long-term management and monitoring of the protected lands.							
FSF, RSF, ISF, LSF, and Transmission Line	4.4-1b	<p><b>Burrowing Owl Compensation.</b> The project applicant shall compensate for impacts to burrowing owl habitat through the following measures:</p> <ol style="list-style-type: none"> <li>CDFW's mitigation guidelines for burrowing owl (2012) require the acquisition and protection of replacement foraging habitat per pair or unpaired resident bird to offset the loss of foraging and burrow habitat on the project sites. The project applicant shall landscape small pockets of land along the perimeter of the solar fields, and/or within the solar fields themselves, with native vegetation that will provide suitable foraging habitat for burrowing owls, pursuant to a Mitigation and Monitoring Plan that is reviewed and approved by CDFW prior to the commencement of construction. Although the site plans show almost 100 percent coverage of solar panels, it is anticipated that due to the nature of solar panel configuration, there will be spaces at various locations, such as between the edges of the agricultural fields (i.e., outside of IID easements) and the solar project footprints. Sufficient open areas shall be set aside for burrowing owl habitat and burrow relocation for the lifespan of the solar projects. Due to County of Imperial requirements </li> </ol>	Prior to and during construction. The Department of Planning and Development Services shall verify the measures as provided in Mitigation Measures 4.4-1a and 4.4-1b are implemented if active burrows are present.	Department of Planning and Development Services	Prior to and during construction	Department of Planning and Development Services and CDFW			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		that the solar fields be returned to active agriculture after the life of the solar projects, it is assumed that when the land is returned to active agricultural crops, it will continue to provide habitat for burrowing owl. If the vegetation that is planted does not succeed, sufficient areas cannot be provided on-site, or planting is not feasible, alternative mitigation shall be provided, which CDFW determines provides equivalently effective mitigation. Such alternative mitigation may include off-site preservation of the required amount of foraging habitat through a CDFW-approved conservation easement, or an in-lieu fee in an amount approved by CDFW that is sufficient to acquire such conservation easements, or some combination of the two.							
FSF, RSF, ISF, LSF, and Transmission Line.	4.4-1c	<p><b>Worker Awareness Program.</b> Prior to project initiation, a Worker Environmental Awareness Program (WEAP) shall be developed and implemented by a qualified biologist, and shall be available in both English and Spanish. Wallet-sized cards summarizing this information shall be provided to all construction, operation, and maintenance personnel. The education program shall include the following aspects:</p> <ul style="list-style-type: none"> <li>• Biology and status of the burrowing owl;</li> <li>• CDFW/USFWS regulations;</li> <li>• Protection measures designed to reduce potential impacts to the species, function of flagging designated authorized work areas;</li> <li>• Reporting procedures to be used if a burrowing owl (dead, alive, injured) is encountered in the field.</li> </ul>	<p>Prior to construction, Planning and Development Services shall verify that a WEAP has been developed by the project biologist.</p> <p>The qualified biologist implementing the WEAP shall provide an attendance log to the Planning and Development Services verifying that all construction, operation, and</p>	Department of Planning and Development Services	Prior to and during construction	Department of Planning and Development Services			

## IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
			maintenance personnel have attended the worker awareness class.						
FSF, RSF, ISF, LSF, and Transmission Line.	4.4-1d	<p><b>Speed Limit.</b> The Designated Biologist or Biological Monitor(s) shall evaluate and implement best measures to reduce burrowing owl mortality along access roads.</p> <ul style="list-style-type: none"> <li>A speed limit of 15 miles per hour when driving access roads. All vehicles required for O&amp;M must remain on designated access/maintenance roads.</li> </ul>	During construction	Designated Biologist or Biological Monitor	During construction	Designated Biologist or Biological Monitor and Department of Planning and Development Services			
FSF, RSF, ISF, LSF, and Transmission Line	4.4-1e	<p><b>Temporary Construction Suspension.</b> If a Designated Biological Monitor observes these species foraging within the project site, or in adjacent agricultural fields, construction shall cease until they disperse. Additionally, in order to reduce impacts to the Mountain Plover, Long Billed Curlew, Short Billed Dowitcher, Horned Lark, and Loggerhead Shrike, an Avian Bat Protection Plan (ABPP) shall be prepared following USFWS guidelines and subsequently implemented by the project applicant. The requirements of the ABPP are described in Mitigation Measure 4.4-1f.</p>	During construction Mitigation Measure 4.4-1e shall be implemented.	Department of Planning and Development Services	During construction and O&M	Department of Planning and Development Services			
FSF, RSF, ISF, LSF, and Transmission Line	4.4-1f	<p><b>Construction and O&amp;M Mitigation Measures.</b> In order to reduce the potential indirect impact to migratory birds, bats and raptors, an Avian Bat Protection Plan ABPP shall be prepared following the USFWS's guidelines and implemented by the project applicant. This ABPP shall outline conservation measures for construction and O&amp;M activities that might reduce potential impacts to bird populations and shall be developed by the project applicant in conjunction with and input from the USFWS. Construction conservation measures to be incorporated into the ABPP include:</p> <ol style="list-style-type: none"> <li>Minimizing disturbance to vegetation to the maximum extent practicable.</li> </ol>	During construction and O&M, the applicant shall implement Mitigation Measure 4.4-1f which would include adherence to the stipulations of the ABPP.	Department of Planning and Development Services	During construction and O&M	Department of Planning and Development Services			



IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<ol style="list-style-type: none"> <li>2. Clearing vegetation outside of the breeding season. If construction occurs between February 1 and September 15, an approved biologist shall conduct a pre-construction clearance survey for nesting birds in suitable nesting habitat that occurs within the project footprint. Pre-construction nesting surveys will identify any active migratory birds (and other sensitive non-migratory birds) nests. Direct impact to any active migratory bird nest should be avoided.</li> <li>3. Minimize wildfire potential.</li> <li>4. Minimize activities that attract prey and predators.</li> <li>5. Control of non-native plants.</li> </ol> <p>O&amp;M conservation measures to be incorporated into the ABPP include:</p> <ol style="list-style-type: none"> <li>1. Incorporate APLIC guidelines for overhead utilities as appropriate to minimize avian collisions with transmission facilities (APLIC 2006).</li> <li>2. Minimize noise.</li> <li>3. Minimize use of outdoor lighting.</li> <li>4. Implement post-construction avian monitoring that will incorporate of the Wildlife Mortality Reporting Program.</li> </ol>							
FSF, RSF, ISF, LSF, and Transmission Line	4.4-1g	<p><b>Raptor and Active Raptor Nest Avoidance.</b> Raptors and active raptor nests are protected under CFGC 3503.5, 3503, 3513. In order to prevent direct and indirect noise impact to nesting raptors such as red-tailed hawk, the following measures shall be implemented:</p> <ol style="list-style-type: none"> <li>1. Initial grading and construction within the project sites should take place outside the raptors' breeding season of February 1 to July 15.</li> </ol> <p>If construction occurs between February 1 and July 15, a qualified biologist shall conduct a pre-construction clearance survey</p>	Prior to construction, Department of Planning and Development Services shall verify that pre-construction surveys were conducted. If active raptor nests are present, the measures as listed in Mitigation	Department of Planning and Development Services	Prior to construction	Department of Planning and Development Services			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		for nesting raptors in suitable nesting habitat (e.g., tall trees or transmission towers) that occurs within 500 feet of the survey area. If any active raptor nest is located, the nest area will be flagged, and a 500-foot buffer zone delineated, flagged, or otherwise marked. No work activity may occur within this buffer area, until a qualified biologist determines that the fledglings are independent of the nest.	Measure 4.4-1g shall be implemented.						
<b>Chapter 4.5 Cultural Resources</b>									
FSF, RSF, ISF, LSF, and Transmission Line	4.5-4	<b>Human Remains.</b> In the event that any human remains or related resources are discovered on the project site, such resources shall be treated in accordance with federal, state, and local regulations and guidelines for disclosure, recovery, relocation, and preservation, as appropriate. All construction affecting the discovery site shall cease until, as required by CEQA Guidelines, Section 156064.5(e), the human remains are evaluated by the County Coroner for the nature of the remains and cause of death. All parties involved would ensure that any such remains are treated in a respectful manner and that all applicable federal, state, and local laws are followed.  If human remains are found to be of Native American origin, or if associated grave goods or objects of cultural patrimony are discovered, the provisions of the NAGPRA would be followed, and the Native American Heritage Commission shall be asked to determine the descendants who are to be notified or, if unidentifiable, to establish the procedures for burial.	During construction and operational repair period, discovery of human remains shall result work stoppage in that area until the coroner and the Native American Heritage Commission are contacted.	Department of Planning and Development Services	During construction and operations	Department of Planning and Development Services			
<b>Chapter 4.6 Geology and Soils</b>									
FSF, RSF, ISF, LSF, and Transmission Line	4.6-1	<b>Prepare Geotechnical Report(s) for the Projects and Implement Required Measures.</b> Facility design for all project components shall comply with the site-specific design recommendations as provided by a licensed geotechnical or civil engineer to be retained by the project applicant. The final geotechnical and/or civil	Prior to the issuance of a grading permit, the Department of Planning and Development Services shall verify a	Department of Planning and Development Services	Prior to issuance of a grading permit	Department of Planning and Development Services			

## IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>engineering report shall address and make recommendations on the following:</p> <ul style="list-style-type: none"> <li>• Site preparation;</li> <li>• Soil bearing capacity;</li> <li>• Appropriate sources and types of fill;</li> <li>• Potential need for soil amendments;</li> <li>• Road, pavement, and parking areas;</li> <li>• Structural foundations, including retaining-wall design;</li> <li>• Grading practices;</li> <li>• Soil corrosion of concrete and steel;</li> <li>• Erosion/winterization;</li> <li>• Seismic ground shaking;</li> <li>• Liquefaction; and</li> <li>• Expansive/unstable soils.</li> </ul> <p>In addition to the recommendations for the conditions listed above, the geotechnical investigation shall include subsurface testing of soil and groundwater conditions, and shall determine appropriate foundation designs that are consistent with the version of the CBC that is applicable at the time building and grading permits are applied for. All recommendations contained in the final geotechnical engineering report shall be implemented by the project applicant.</p>	Geotechnical Report has been completed by the Applicant.						
FSF, RSF, ISF, LSF, and Transmission Line	4.6-4	<b>Implement Corrosion Protection Measures.</b> As determined appropriate by a licensed geotechnical or civil engineer, the project applicant shall ensure that all underground metallic fittings, appurtenances, and piping include a cathodic protection system to protect these facilities from corrosion.	During O&M, the Department of Planning and Development Services shall verify and approve a Geotechnical Report has been completed by the Applicant.	Department of Planning and Development Services	Prior to issuance of a grading permit	Department of Planning and Development Services			
FSF, RSF, ISF, LSF, and Transmission Line	4.6-5	<b>Demonstrate Compliance with On-site Wastewater Treatment and Disposal Requirements.</b> The project's wastewater treatment and disposal system(s) shall demonstrate compliance with the Imperial County performance standards as outlined in	Prior to construction and again prior to operation, the Imperial County Public Works	Imperial County Public Works Department	Prior to construction and again prior to operation	Department of Planning and Development Services			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		Title 9, Division 10, Chapters 4 and 12 of the Imperial County Code. Prior to construction, and again prior to operation, the project applicant will obtain all necessary permits and/or approvals from the Imperial County Public Works Department. The project applicant shall demonstrate that the system adequately meets County requirements, which have been designed to protect beneficial uses and ensure that applicable water quality standards are not violated. This shall include documentation that the system will not conflict with the Regional Water Quality Control Board's Anti-Degradation Policy.	Department shall verify that on-site wastewater system and disposal requirements adequately meets County requirements.						
<b>Chapter 4.7 Greenhouse Gas Emissions</b>									
FSF, RSF, ISF, LSF, and Transmission Line	4.7-1a	<p><b>Diesel Equipment (Compression Ignition) Offset Strategies</b></p> <ul style="list-style-type: none"> <li>a. Use electricity from power poles rather than temporary diesel power generators.</li> <li>b. Construction equipment operating on-site should be equipped with two to four degree engine timing retard or precombustion chamber engines.</li> <li>c. Construction equipment used for the project should utilize EPA Tier 2 or better engine technology (requirement under Mitigation Measure 4.3-1 as described in Chapter 4.3, Air Quality of this EIR).</li> </ul>	Prior to the issuance of a grading permit, the Applicant shall identify measures to reduce greenhouse gas emissions as listed in Mitigation Measure 4.7-1a.	Department of Planning and Development Services and ICAPCD	Prior to issuance of a grading permit	Department of Planning and Development Services			
FSF, RSF, ISF, LSF, and Transmission Line	4.7-1b	<p><b>Vehicular Trip (Spark Ignition) Offset Strategies</b></p> <ul style="list-style-type: none"> <li>a. Encourage commute alternatives by informing construction employees and customers about transportation options for reaching your location (i.e., post transit schedules/routes).</li> <li>b. Help construction employees "ride share" by posting commuter ride sign-up sheets, employee home, zip code, map, etc.</li> </ul>	Prior to the issuance of a grading permit, the Applicant shall identify measures to reduce greenhouse gas emissions as listed in Mitigation Measure 4.7-1b.	Department of Planning and Development Services and ICAPCD	Prior to issuance of a grading permit	Department of Planning and Development Services			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<p>c. When possible, arrange for single construction vendor who makes deliveries for several items.</p> <p>d. Plan construction delivery routes to eliminate unnecessary trips.</p> <p>e. Keep construction vehicles well maintained to prevent leaks and minimize emissions.</p>							
<b>Chapter 4.8 Hazards and Hazardous Materials</b>									
FSF and ISF	4.8-2a	<b>Phase II Environmental Site Assessment.</b> A Phase II ESA (drilling, sampling, and analytical program) shall be completed if the FSF substation is to be constructed in the area of the Kubler Shop. This ESA will assist to determine if the previous USTs are still onsite and if soil contamination exists.	Prior to issuance of a grading permit, the Department of Planning and Development Services shall verify that a Phase II ESA has been completed.	Department of Planning and Development Services	Prior to issuance of a grading permit	Department of Planning and Development Services			
FSF and ISF	4.8-2b	<b>Hazardous Materials Discovery.</b> All construction contractor(s) shall be instructed to immediately stop all subsurface construction activities in the event that petroleum is discovered, an odor is identified, or significantly stained soil is visible during construction. Contractors shall be instructed to follow all applicable regulations regarding discovery and response for hazardous materials encountered during the construction process.	During construction, discovery of hazardous materials shall result in the immediate stop of all subsurface construction activities.	Department of Planning and Development Services and Certified Unified Program Agency (CUPA)	During construction	Department of Planning and Development Services			
FSF and ISF	4.8-2c	<b>Lead and Asbestos.</b> Prior to the demolition of any buildings, the contractor shall conduct testing to determine if lead and/or asbestos are present. Testing will help to identify the proper removal procedures to follow per state and local guidelines.	Prior to the demolition of any buildings, the Department of Planning and Development Services shall verify that lead and/or asbestos testing has been conducted.	Department of Planning and Development Services	Prior to the demolition of any buildings	Department of Planning and Development Services			
FSF and ISF	4.8-2d	<b>Well Abandonment.</b> Prior to issuance of a grading permit, the project applicant shall submit evidence demonstrating that the locations of all known wells on-site have	Prior to issuance of a grading permit, the project applicant shall	Department of Planning and Development Services	Prior to issuance of a grading permit	Department of Planning and Development Services			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		been reviewed by the DOGGR and that all well abandonment requirements, including gas leakage testing, have been completed according to DOGGR specifications, including construction Project Site Review and Well Abandonment Procedures.	submit documentation to the Department of Planning and Development Services that the locations of all known wells on-site have been reviewed by the DOGGR and that all requirements have been completed according to DOGGR specifications.						
<b>Chapter 4.9 Hydrology and Water Quality</b>									
FSF, RSF, ISF, LSF, and Transmission Line	4.9-1a	<b>Acquire Appropriate Clean Water Act Regulatory Permits, Prepare SWPPP, and Implement BMPs Prior to Construction and Site Restoration.</b> The project applicant or its contractor shall prepare a SWPPP specific to the projects 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 the project applicant prior to commencement of work and shall be made conditions of the contract with the contractor selected to build and decommission the projects. The SWPPP(s) shall incorporate control measures in the following categories: <ul style="list-style-type: none"> <li>• Soil stabilization and erosion control practices (e.g., hydroseeding, erosion control blankets, mulching);</li> </ul>	Prior to construction and site restoration, the Applicant shall acquire appropriate Clean Water Act regulatory permits; prepare SWPPP with incorporated control measures outlined in Mitigation Measure 4.9-1a; and implement BMPs. Department of Planning and Development Services to confirm.	Department of Planning and Development Services	Prior to issuance of a grading permit and site restoration	Department of Planning and Development Services			

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		<ul style="list-style-type: none"> <li>• Dewatering and/or flow diversion practices, if required (see Mitigation Measure 4.9-1b);</li> <li>• Sediment control practices (temporary sediment basins, fiber rolls);</li> <li>• Temporary and post-construction on- and off-site runoff controls;</li> <li>• Special considerations and BMPs for water crossings, wetlands, and drainages;</li> <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, and</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. Given that Imperial Valley Drains would accept runoff from the project sites and are listed as impaired for sediment, the SWPPP shall include BMPs sufficient for Risk Level 2 projects. BMPs for soil stabilization and erosion control practices and sediment control practices will also be</p>							

IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		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.							
FSF, RSF, ISF, LSF, and Transmission Line	4.9-1b	<b>Properly Dispose of Construction Dewatering in Accordance with the Colorado River Basin Regional Water Quality Control Board.</b> If required, all construction dewatering shall be discharged to an approved land disposal area or drainage facility in accordance with Colorado River Basin RWQCB requirements. The project applicant or its construction contractor shall provide the Colorado River Basin RWQCB with the location, type of discharge, and methods of treatment and monitoring for all groundwater dewatering discharges. Emphasis shall be placed on those discharges that would occur directly or in proximity to surface water bodies and drainage facilities.	Prior to issuance of a grading permit, the Applicant shall provide Colorado River Basin Regional Water Quality Control Board with the location, type of discharge, and methods treatment and monitoring for all groundwater dewatering discharges if the project requires construction dewatering.	Department of Planning and Development Services	Post construction	Department of Planning and Development Services			
FSF, RSF, ISF, LSF, and Transmission Line	4.9-2	<b>Incorporate Post-Construction Runoff BMPs into Project Drainage Plan and Maximize Opportunities for Low Impact Development.</b> The project Drainage Plan shall adhere to County and IID guidelines to treat, control, and manage the on- and off-site discharge of stormwater to existing drainage systems. Low Impact Development opportunities, including but not limited to infiltration trenches or bioswales, will be investigated and integrated into the Drainage Plan to the maximum extent practical. The Drainage Plan shall provide both short- and long-term drainage solutions to ensure the proper sequencing of drainage facilities and treatment of runoff generated from project impervious surfaces prior to off-site discharge.	Post construction, the Applicant shall implement a Drainage Plan in accordance with the County and Imperial Irrigation District guidelines as outlined in Mitigation Measure 4.9-2. Department of Planning and Development Services and Imperial Irrigation District to confirm.	Department of Planning and Development Services	Post construction	Department of Planning and Development Services			



IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		The project applicant shall ensure the provision of sufficient outlet protection through the use of energy dissipaters, vegetated rip-rap, soil protection, and/or other appropriate BMPs to slow runoff velocities and prevent erosion at discharge locations for the operations and maintenance (O&M) facilities, access roads, electrical distribution and substation facilities, and solar array locations. A long-term maintenance plan shall be developed and implemented to support the functionality of drainage control devices. The facility layout(s) shall also include sufficient container storage and on-site containment and pollution-control devices for drainage facilities to avoid the off-site release of water quality pollutants, including, but not limited to oil and grease, fertilizers, treatment chemicals, and sediment.							
FSF, RSF, ISF, LSF, and Transmission Line	4.9-4	<b>Prepare Drainage Plan(s) for Structural Facilities.</b> The project applicant shall prepare a site specific Drainage Plan for all facilities constructed in conjunction with the projects that meets County Department of Public Works and IID requirements, where applicable. The Drainage Plan shall incorporate measures to maintain off-site runoff during peak conditions to pre-construction discharge levels. Design specifications for the detention, retention, and/or infiltration facilities shall provide sufficient temporary storage capacity to accommodate the 100-year, 24-hour storm event to pre-project conditions.	Prior to construction, the Applicant shall prepare site specific Drainage Plans for all project facilities and also incorporate measures to maintain off-site runoff during peak conditions to pre-construction discharge levels. Department of Planning and Development Services to confirm.	Department of Planning and Development Services	Prior to construction	Department of Planning and Development Services			
<b>Chapter 4.11 Noise and Vibration</b>									
FSF, RSF, ISF, LSF, and Transmission Line	4.11-1a	<b>Limit Construction Hours.</b> Construction and decommissioning activities shall be limited to daylight hours between 7 AM and 7 PM Monday through Friday, and 9 AM and 5 PM on Saturday for those construction areas that are located within 2,500 feet of noise-	During construction and decommissioning activities, the Applicant shall adhere to	Department of Planning and Development Services	During construction and decommissioning activities	Department of Planning and Development Services			

## IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
		sensitive receptors. No construction shall be allowed on Sundays or holidays.	construction hours identified in Mitigation Measure 4.11-1a.						
FSF, RSF, ISF, LSF, and Transmission Line	4.11-1b	<b>Minimize Noise from Construction Equipment and Staging.</b> Construction equipment noise shall be minimized during project construction and decommissioning by muffling and shielding intakes and exhaust on construction equipment (per the manufacturer's specifications) and by shrouding or shielding impact tools, where used. The project applicant's construction specifications shall also require that the contractor select staging areas as far as feasibly possible from sensitive receptors. All contractor specifications shall include a requirement that equipment located within 2,500 feet of noise-sensitive receptors shall be equipped with noise reducing engine housings or other noise reducing technology such that noise levels are no more 85 dBA at 50 feet. If necessary the line of sight between the equipment and nearby sensitive receptors shall be blocked by portable acoustic barriers and/or shields to reduce noise levels.	Prior to construction and decommissioning activities, the Applicant shall implement measures outlined in Mitigation Measure 4.11-1b to prevent noise from construction equipment and staging. Department of Planning and Development Services to provide inspection for final approval.	Department of Planning and Development Services	Prior to construction and decommissioning activities	Department of Planning and Development Services			
FSF, RSF, ISF, LSF, and Transmission Line	4.11-1c	<b>Maximize the Use of Noise Barriers.</b> Construction and decommissioning contractors shall locate fixed construction equipment (such as compressors and generators) as far as possible from nearby residences. If feasible, noise barriers shall be used at the construction site and staging area. Temporary walls, stockpiles of excavated materials, or moveable sound barrier curtains would be appropriate in instances where construction noise would exceed 85 dBA and occur within less than 200 feet from a sensitive receptor. The final selection of noise barriers shall be subject to the project applicant's approval and shall provide a minimum 5 dBA reduction in construction noise levels, where noise levels would exceed 85 dBA without the barrier.	Prior to construction and decommissioning activities, the Applicant shall implement measures outlined in Mitigation Measure 4.11-1c to sensitive receptors. Department of Planning and Development Services to provide inspection for final approval.	Department of Planning and Development Services	Prior to construction and decommissioning activities	Department of Planning and Development Services			

## IV. Mitigation, Monitoring, and Reporting Program

Project Component	MM No.	Mitigation Measure	Monitoring Method	Responsible Monitoring Party	Monitoring Phase	Verification/ Approval Party	Date Mitigation Measure Verified or Implemented	Location of Documents (Monitoring Record)	Completion Requirement
FSF, RSF, ISF, LSF, and Transmission Line	4.11-1d	<b>Prohibit Non-Essential Noise Sources During Construction.</b> No amplified sources (e.g., stereo “boom boxes”) shall be used in the vicinity of residences during project construction or decommissioning.	During construction and decommissioning activities, the Applicant shall verify no amplified noise sources are in use.  Department of Planning and Development Services to provide inspection for final approval.	Department of Planning and Development Services	During construction and decommissioning activities	Department of Planning and Development Services			
FSF, RSF, ISF, LSF, and Transmission Line	4.11-1e	<b>Provide a Mechanism for Filing Noise Complaints.</b> The project applicant shall provide a mechanism for residents, businesses, and agencies to register complaints with the County if construction noise levels are overly intrusive or construction occurs outside the required hours.	During construction, the Applicant shall provide a mechanism for residents, businesses, and agencies to register complaints with the County if construction noise levels are overly intrusive or outside required hours.  Department of Planning and Development Services to provide inspection for final approval.	Department of Planning and Development Services	During construction	Department of Planning and Development Services			

*This page intentionally left blank.*