

November 3, 2015

ALTAMONT WINDS LLC

SUMMIT WIND REPOWERING PROJECT

CEQA Implementation Checklist and Application Supporting Materials



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133377

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INTRODUCTION

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ACRONYMS AND ABBREVIATIONS

APWRA	Altamont Pass Wind Resource Area
CDA	Community Development Agency
CEQA	California Environmental Quality Act
CUP	Conditional Use Permit
FPEIR	Final Program Environmental Impact Report
MMRP	Mitigation Monitoring and Reporting Program
MW	Megawatt

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1.0 INTRODUCTION

1.1 Project Under Review

Altamont Winds, LLC (Applicant) proposes to repower an existing wind energy facility in the Program Area with new-generation turbines in the Altamont Pass Wind Resource Area (APWRA). The proposed Summit Wind Repower Project (Project) will decommission and remove 569 existing wind turbines within the Project footprint, install up to 33 new S97, Suzlon 2.1 megawatt (MW) wind turbines or similar wind turbine, and make improvements to related infrastructure with a nominal capacity of approximately 54 MW. An alternative for one wind turbine (20a) is also proposed. The project site encompasses 17 separate parcels on more than 3,469 acres where there are seven Conditional Use Permits (CUPs) currently in effect for existing wind farms.

As recognized by Alameda County (County), the Project will serve the public and market need for electrical energy, the documented and public policy need to produce renewable energy, and the widely held public and regulatory agency need to substantially reduce avian mortality related to wind turbine operations. The goals of the applicant are to repower its windfarm assets in compliance with the existing CUPs and applicable laws, reduce avian mortality, and meet the County's general plan and state's goals for production of renewable energy. Consistent with those goals, the Applicant intends to remove and replace approximately 569 wind turbines.

1.2 Lead Agency

As the agency responsible for evaluating and approving or denying the Project, the County Community Development Agency (CDA) will serve as the Lead Agency for the Implementation Checklist. The Implementation Checklist will be prepared pursuant to the California Environmental Quality Act (CEQA, 1970, as amended) and in accordance with relevant federal, state, and local regulations.

1.3 Background

The October 2014 *Final Program Environmental Impact Report for the Altamont Pass Wind Resource Area* (State Clearinghouse No. 2010082063) was certified on November 12, 2014 (FPEIR), and was prepared in accordance with the provisions of the California Environmental Quality Act (CEQA) to evaluate the potential impacts of repowering the Alameda County portion of the APWRA. The APWRA is an approximately 50,000 acre area where Alameda County will consider wind farm development applications.

The FPEIR is intended to identify the anticipated environmental impacts of conditional use permits (CUPs) that may be approved by the County for repowering windfarm projects in the Alameda County portion of the APWRA through 2018 and beyond, including those expected to be proposed such as the Project.

The FPEIR is also intended to enable the County to comply with CEQA and to provide a basis for the preparation of CEQA documentation and review of applications for subsequent wind repowering projects. The County is the CEQA Lead Agency for proposed and anticipated subsequent CUPs. The FPEIR is the first tier of environmental documentation. It provides program-level analysis of the complete repowering of the program area with new turbines, and project-level analysis of the two repowering projects: The Golden Hills Project and the Patterson Pass Project. The FPEIR analysis will be augmented or supplemented by second-tier environmental documents, as appropriate, when additional details for other specific repowering projects are developed, such as the Project.

1.4 Environmental Review Process

As detailed in CEQA Guidelines Section 15168, a program Environmental Impact Report (EIR) is one that is prepared to satisfy CEQA requirements for a series of actions that can be characterized as one large project. The project is either geographically connected, logical parts in a chain of contemplated action, are connected action with regards to the issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program, or is individual activities carried out under the same authorizing statutory or regulatory authority and having generally similar environmental effects which can be mitigated in similar ways. Under CEQA Guidelines Section 15168(c), a “written checklist or similar device” should be used to document the evaluation of the subsequent activities. The Implementation Checklist is intended to serve that purpose and serves as a tool to aid the county in evaluating permit applications for wind energy project in the APWRA.

1.5 Purpose of the Implementation Checklist

To evaluate the Project permit application, Alameda County must determine if the proposed Project falls within the parameters and impacts detailed in the FPEIR. The County intends to use the FPEIR pursuant to CEQA Guidelines Section 15168 (c) for subsequent activities in the program area. The Implementation Checklist is used to document the evaluation of subsequent activities and determine whether the environmental effects of the operation were covered in the FPEIR.

The Implementation Checklist and its attachments herein are meant to establish a basis for the County to determine that each project evaluated with this second-tier environmental review is consistent with the scope or parameters of the PEIR, and more specifically, consistent with CEQA Guidelines Section 15162, that no new effects could occur as a result of the current project's implementation, nor would new mitigation measures be required. The Implementation Checklist and its attachments form the basis for the Findings of Significant Impacts to be adopted by the Alameda County East County Board of Zoning Adjustments (EBZA) with any Resolution to approve the project, along with Findings of Overriding Considerations and the Mitigation Monitoring and Reporting Program.

1.5.1 Organization of the Implementation Checklist

When approving new CUPs for repowering, the County intends to facilitate such repowering projects through reliance on the mitigation measures contained in the FPEIR as uniform standards, where appropriate, and by “tiering” from the FPEIR to provide a framework for a focused analysis of individual projects that were not described or evaluated in detail in the FPEIR. The FPEIR identified two program alternatives representing different maximum buildouts measured in megawatts (MW) – 417 or 450 MW such that each impact and mitigation measure was coded in the FPEIR with references to the program alternative. The Implementation Checklist does not include the codes identifying the program alternatives or specific projects, but instead it is configured to apply to individual projects.

The checklist has been designed in tabular format. The first column under the heading, *Impact*, identifies each impact by number and name as it appears in the FPEIR (although impact suffixes used to distinguish program and project alternatives in the FPEIR have been removed). The second column (with two subsidiary columns) with the heading, *Discussion in Text*, provides the page numbers in the FPEIR where the relevant discussion for both setting (existing conditions) and impacts appear for each numbered impact. The third main column, *APWRA Issues to Consider*, provides a focused yes or no question to determine if a proposed Project will result in the subject impact. The *yes* column and those further to the right are shaded as sections to be completed if the Project is expected to have the subject impact; although, the second to last column enables the reviewer to indicate if the Project will have other impacts not identified in the FPEIR.

The fifth column, *Mitigation Measures and Notes*, lists mitigation measures identified in the FPEIR with checkboxes for the reviewer to confirm that the mitigation measures apply to the proposed Project. This column summarizes the requirements of the mitigation measures. The full text of the mitigation measures is found in the MMRP. The sixth main column (also with two subsidiary *no* and *yes* columns) enables the reviewer to indicate if the Project will cause impacts not identified in the FPEIR. The seventh and last column, *Summary of Documentation*, indicates that if any relevant documentation is required, either as part of the application package or associated with mitigation to address each impact and provides space for a summary of the documentation, that it supports the County's findings for a determination for a specific project.

It is important to note that the checklist is a summary of the information contained in the FPEIR and is not a replacement for the PEIR. The reader will therefore need to consult the FPEIR and attachments for detailed information. The checklist table serves primarily to direct the public and decision-makers from the broad overview of the current Project with respect to the FPEIR to specific determinations and where to find a more detailed explanation of each effect. The Implementation Checklist is not intended to represent any specific conclusions that the current Project would have such-and-such impacts and require certain mitigation measures that are pre-defined in the FPEIR.

1.5.2 Checklist Attachments

Materials in support of the Implementation Checklist include attachments to aid Alameda County Community Development Agency in making its determination of environmental impact and significance for the Project detailed in the permit application. In addition to the checklist, three sets of Attachments are included with the application:

- **Attachment A – Application Materials:** This attachment includes background project information and details, including: project location, existing facilities, assumed buildout characteristics and requirements, infrastructure improvements, construction materials and methods, anticipated disturbance, safety and compliance, and other details regarding construction, operation, maintenance and decommissioning of the Project.
 - *Attachment A1 – Project Description:* This attachment includes background project information and details, including: project location, existing facilities, assumed buildout characteristics and requirements, infrastructure improvements, construction materials and methods, anticipated disturbance, safety and compliance, and other details regarding construction, operation, maintenance and decommissioning of the Project.
 - *Attachment A2 – Checklist Supporting Document:* This attachment provides Project specific detail and a “Summary Documentation” (far right checklist column) for each resource topic and impact to support the County's findings.
 - *Attachment A3 – Project Photo Simulations:* This attachment includes a location map and simulations of existing and proposed views from sensitive areas surrounding the Project in support of aesthetic impact documentation.
 - *Attachment A4 – Biological Resources Report and Habitat Assessment*
 - *Attachment A5 – Cultural Resources Report:* This attachment details the results of the cultural survey, anticipated Project impacts, and mitigation measures proposed to reduce impacts.
 - *Attachment A6 – Avian and Bat Protection Plan*
 - *Attachment A7 – Wetland Report*
 - *Attachment A8 – Blade Throw Study*
 - *Attachment A9 – Traffic Management Plan*
 - *Attachment A10 – Noise Study*

- Attachment A11 – Shadow Flicker Study Supporting Data
- **Attachment B – State – or County-Designated Scenic Roads**
- **Attachment C – Mitigation Monitoring and Reporting Program (MMRP)** – This attachment contains the complete MMRP.

1.5.3 *Incorporated by Reference*

As permitted by Section 15150 of the CEQA Guidelines, the Implementation Checklist tiers from the FPEIR and technical and supporting documents referenced therein. Also this Implementation Checklist considers and includes as appendices several technical studies, analyses, and reports. Information from documents incorporated by reference has been noted in the appropriate sections of the checklist.

IMPLEMENTATION CHECKLIST

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IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
Aesthetics									
Impact AES-1: Temporary visual impacts caused by construction activities (less than significant with mitigation)	3.1-3-4 3.1-8-10	3.1-12-13	Would construction or heavy equipment be visible from residences or recreation areas and trails?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure AES-1: Limit construction to daylight hours <input checked="" type="checkbox"/> Do not allow construction between sunset and sunrise or on weekends <input checked="" type="checkbox"/> Do not use high-wattage lighting sources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require the application to include mapping or photo simulations to show areas visible from recreation areas or trails. See Attachment B for project photo simulations and Attachment A2 "Checklist Supporting Document", Section 1.1 for project specific documentation to support this determination.
Impact AES-2: Have a substantial adverse effect on a scenic vista (less than significant with mitigation)	3.1-6-7 3.1-8-10	3.1-15-16	Would new turbines be placed in areas where no turbines currently exist? (See Policies 105 and 106 for list of sensitive ridgelines, pg. 3.1-6)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure AES-2a: Require site development review prior to approval of site plans <input checked="" type="checkbox"/> County to require, review, and approve Site Development Review prior to approval of site plans for new turbines along ridgelines that have not previously been developed with wind turbine strings Mitigation Measure AES-2b: Maintain site free of debris and restore abandoned roadways <input checked="" type="checkbox"/> Clear all derelict equipment, debris, and litter away from the site upon project completion <input checked="" type="checkbox"/> Restore and hydroseed abandoned roads (unless otherwise recommended by USFWS or CDFW) <input checked="" type="checkbox"/> Maintain site in such a manner for the life of the project Mitigation Measure AES-2c: Screen surplus parts and materials <input checked="" type="checkbox"/> Maintain sites where surplus parts and materials are kept, in a neat and orderly fashion <input checked="" type="checkbox"/> Screen sites from view	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require the application to include mapping to show locations of existing turbines in relation to new proposed turbines. See Attachment A2 "Checklist Supporting Document" Section 1.2 for project specific documentation to support this determination and Attachment A1, Figure A1.1-1 for map showing new turbines in relation to existing turbines. The distance of new turbines in relation to existing turbines is shown in Table A2.1-1.
Impact AES-3: Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings along a scenic highway (significant and unavoidable – findings of overriding considerations made at the program level due to expectation of new turbines being placed on ridgelines not previously developed with wind turbine strings, and that could be mitigated with site development review, but not to a level that is less than significant))	3.1-6 3.1-8-10	3.1-19-20	Would turbines be located along a state- or county-designated scenic highway? (See Attachment B for list)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure AES-2a: Require site development review prior to approval of site plans <input checked="" type="checkbox"/> County to require, review, and approve Site Development Review prior to approval of site plans for new turbines along ridgelines that have not previously been developed with wind turbine strings Mitigation Measure AES-2b: Maintain site free of debris and restore abandoned roadways <input checked="" type="checkbox"/> Clear all derelict equipment, debris, and litter away from the site upon project completion <input checked="" type="checkbox"/> Restore and hydroseed abandoned roads (unless otherwise recommended by USFWS or CDFW) <input checked="" type="checkbox"/> Maintain site in such a manner through the life of the project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require the application to include locations of proposed turbines in relation to state- or county-designated scenic highways. See Attachment A2 "Checklist Supporting Document", Section 1.3 for project specific documentation to support this determination and Figure A1.1-1 for a map showing new turbines in relation to state and county designated scenic highways.

Implementation Checklist

Project Title: **Summit Wind Project**

Project Identification: **PLN2014-00056**

Alameda County Planning Department

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						Mitigation Measure AES-2c: Screen surplus parts and materials <input checked="" type="checkbox"/> Maintain sites where surplus parts and materials are kept in a neat and orderly fashion <input checked="" type="checkbox"/> Screen sites from view			
Impact AES-4: Substantially degrade the existing visual character or quality of the site and its surroundings (significant and unavoidable – findings of overriding considerations made at the program level)	3.1-6 3.1-8-10	3.1-23-24	Would new turbines be placed in the southern portion of the program area, starting approximately 2.5 miles south of Patterson Pass Road, or in other areas where no turbines currently exist?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Same as Impact AES-3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Project is located in the northern portion of the APWRA. See AES-2 above. See Attachment A2 "Checklist Supporting Document", Section 1.4 for project specific documentation to support county findings.
Impact AES-5: Create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area (less than significant with mitigation)	3.1-6 3.1-10-11	3.1-27-28	Would turbine be located in a setback area? Are there residents nearby - i.e., within 500 meters [1,640 feet] in a generally east or west direction to account for all seasons? Could blades cause shadow flicker that would disturb sensitive viewers, especially residents?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure AES-5: Analyze shadow flicker distance and mitigate effects or incorporate changes into project design to address shadow flicker <input checked="" type="checkbox"/> During project design, the project applicant will prepare a graphic model and study to evaluate shadow flicker impacts on nearby residences. (see mitigation measure for details on thresholds) <input checked="" type="checkbox"/> If it is determined that existing setback requirements as established by the County are not sufficient to prevent shadow flicker impacts on residences, Alameda County will require an increase in the required setback distances to ensure that residences are not affected. <input checked="" type="checkbox"/> If any residence is nonetheless affected implement measures to minimize impact, such as relocating the turbine; providing opaque window coverings, window awnings, landscape buffers, or a combination of these features to reduce flicker to acceptable limits; or shutting down the turbine during the period shadow flicker would occur <input checked="" type="checkbox"/> Relocate turbine if property owner is not amenable to other mitigation measures (window coverings, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require the application to include mapping to show the locations of residences in relation to proposed turbine locations. See Attachment A2 "Checklist Supporting Document", Section 1.5 for project specific documentation to support this determination and a map showing new turbines in relation to residences.
Impact AES-6: Consistency with state and local policies (less than significant with mitigation)	3.1-3-7	3.1-30	Would the project comply with measures set forth to protect visual resources along scenic roadways and open space areas identified for protection (Alameda County 1966) and comply with measures set forth in the ECAP to protect visual resources such as sensitive viewsheds, streets and highways, scenic highways, and areas affected by windfarms (Alameda County 2000)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure AES-2a: Require site development review prior to approval of site plans <input checked="" type="checkbox"/> County to require, review, and approve Site Development Review prior to approval of site plans for new turbines along ridgelines that have not previously been developed with wind turbine strings a separate Site Development Review Mitigation Measure AES-2b: Maintain site free of debris and restore abandoned roadways <input checked="" type="checkbox"/> Clear all derelict equipment, debris, and litter away from the site upon project completion <input checked="" type="checkbox"/> Restore and hydroseed abandoned roads (unless otherwise recommended by USFWS or CDFW) <input checked="" type="checkbox"/> Maintain site in such a manner for the life of the project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require the application to include mapping to show the locations of residences in relation to proposed turbine locations. See Attachment A2 "Checklist Supporting Document" Section 1.2 for project specific documentation to support this determination and Attachment A1, Figure A1.1-1 for map showing new turbines in relation to existing turbines. Require the application to include locations of proposed turbines in relation to state- or county-designated scenic highways. See Attachment A2 "Checklist Supporting Document", Section 2.3 for a map showing new turbines in relation to state and county designated scenic highways. Require the application to include mapping to show

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						Mitigation Measure AES-2c: Screen surplus parts and materials <input checked="" type="checkbox"/> Maintain sites where surplus parts and materials are kept in a neat and orderly fashion <input checked="" type="checkbox"/> Screen sites from view Mitigation Measure AES-5: Analyze shadow flicker distance and mitigate effects or incorporate changes into project design to address shadow flicker <input checked="" type="checkbox"/> During project design, the project applicant will prepare a graphic model and study to evaluate shadow flicker impacts on nearby residences. (see mitigation measure for details on thresholds) <input checked="" type="checkbox"/> If it is determined that existing setback requirements as established by the County are not sufficient to prevent shadow flicker impacts on residences, Alameda County will require an increase in the required setback distances to ensure that residences are not affected. <input checked="" type="checkbox"/> If any residence is nonetheless affected implement measures to minimize impact, such as relocating the turbine; providing opaque window coverings, window awnings, landscape buffers, or a combination of these features to reduce flicker to acceptable limits; or shutting down the turbine during the period shadow flicker would occur <input checked="" type="checkbox"/> Relocate turbine if property owner is not amenable to other mitigation measures (window coverings, etc.)			locations of existing turbines in relation to new proposed turbines. See Attachment A1, Figure A1.1-1 for map showing new turbines in relation to existing turbines. The distance of new turbines in relation to existing turbines is shown in Table A2.1-1. Require the application to include mapping or photo simulations to show areas visible from recreation areas or trails. See Attachment B for project photo simulations.
Agricultural Resources									
Impact AG-1: Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to nonagricultural use (less than significant with mitigation)	3.2-1-4 3.24-6	3.2-7-8	Would project components be built on Prime Farmland?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mitigation Measure AG-1: Avoid conversion of Prime Farmland <input type="checkbox"/> Do not place wind turbines or other related facilities/infrastructure in locations that would result in the permanent conversion of land that is Prime Farmland or Farmland of State Importance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Figure 3.2-1 of the PEIR for the location of prime farmland in the program area. See Attachment A2 "Checklist Supporting Document", Section 2.1 for project specific documentation to support this determination.
Impact AG-2: Conflict with existing zoning for agricultural use or conflict with a Williamson Act contract (no impact)	3.2-1-4 3.24-6	3.2-9	Would the project conflict with existing zoning for agricultural use or conflict with a Williamson Act contract?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: Wind turbines are a conditionally permitted use in the agricultural zone applied to the program area and are a compatible use, allowed under the Williamson Act contracts for grazing land covering the program area. Therefore, repowering projects would result in no impact.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 2.2 for project specific documentation to support this determination.
Impact AG-3: Conflict with existing zoning for, or cause rezoning of forest land, timberland, or timberland zoned Timberland Production (no impact)	3.2-3 3.2-6	3.2-10	Would project features be built in forest or timber land?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: There is no forest land in the program area. Therefore, repowering projects would result in no impact.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 2.3 for project specific documentation to support this determination.

Implementation Checklist

Project Title: **Summit Wind Project**

Project Identification: **PLN2014-00056**

Alameda County Planning Department

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
Impact AG-4: Result in the loss of forest land or conversion of forest land to non-forest use (no impact)	Same as previous	Same as previous	Same as previous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: There is no forest land in the program area. Therefore, repowering projects would result in no impact.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 2.4 for project specific documentation to support this determination.
Impact AG-5: Involve other changes in the existing environment that, due to their location or nature, could result in conversion of Farmland to nonagricultural use or conversion of forest land to non-forest use (less than significant with mitigation)	3.2-1-4 3.24-6	3.2-11	Would project features be built on Prime Farmland, Farmland of Statewide Importance, or forest land?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mitigation Measure AG-1: Avoid conversion of Prime Farmland <input type="checkbox"/> Do not place wind turbines or other related facilities/infrastructure in locations that would result in the permanent conversion of land that is Prime Farmland or Farmland of State Importance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Figure 3.2-1 of the PEIR for the location of prime farmland in the program area. See Attachment A2 "Checklist Supporting Document", Section 2.5 for project specific documentation to support this determination.
Air Quality									
Impact AQ-1: Conflict with or obstruct implementation of the applicable air quality plan (less than significant)	3.3-1-7	3.3-19	Would the project include activities not covered in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Repowering projects and other related activities that would not result in substantial increase in employment would fall within the impact assessed in the PEIR under Impact AQ-1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 3.1 for project specific documentation to support this determination.
Impact AQ-2: Violate any air quality standard or contribute substantially to an existing or projected air quality violation (significant and unavoidable)	3.3-1-7	3.3-21	Would project construction create air quality conditions that violate air quality standards? Would project operation create air quality conditions that violate air quality standards?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure AQ-2a: Reduce construction-related air pollutant emissions by implementing applicable BAAQMD Basic Construction Mitigation Measures <input checked="" type="checkbox"/> Implement mitigation measures shown in MMRP Mitigation Measure AQ-2b: Reduce construction-related air pollutant emissions by implementing measures based on BAAQMD's Additional Construction Mitigation Measures <input checked="" type="checkbox"/> Implement mitigation measures shown in MMRP Note: Implementation of Mitigation Measures AQ-2a and AQ-2b would not reduce total construction-related ROG or NOX emissions of projects such as those assessed in the PEIR to a less-than-significant level. This impact of total ROG and NOX emissions would be significant and unavoidable as identified in the PEIR.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 3.2 for project specific documentation to support this determination. The results of the analysis and modeling presented in Section 3.2 shows that the mitigation measures are applicable based off the air quality modeling analysis in the attached A2 Checklist Supporting Document. Refer to Table A2.3-1 which summarizes the Project construction exhaust and fugitive dust emissions within the SJVAB – maximum daily unmitigated emissions.
Impact AQ-3: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is a nonattainment area for an applicable federal or state ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors) (significant and unavoidable for construction and less than significant for operation)	3.3-1-7	3.3-37	Would the project create new permanent stationary sources of criteria pollutants or increase criteria pollutant emissions from any existing stationary sources? Would the project result in an increase in ROG, NOX, PM10, or PM2.5?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mitigation Measure AQ-2a: Reduce construction-related air pollutant emissions by implementing applicable BAAQMD Basic Construction Mitigation Measures <input type="checkbox"/> Implement mitigation measures shown in MMRP Mitigation Measure AQ-2b: Reduce construction-related air pollutant emissions by implementing measures based on BAAQMD's Additional Construction Mitigation Measures <input type="checkbox"/> Implement mitigation measures shown in MMRP Note:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 3.3 for project specific documentation to support this determination.

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						Implementation of Mitigation Measures AQ-2a and AQ-2b would not reduce total construction-related ROG or NOX emissions to a less-than-significant level. This impact of total ROG and NOX emissions would be significant and unavoidable.			
Impact AQ-4: Expose sensitive receptors to substantial pollutant concentrations (less than significant with mitigation)	3.3-14	3.3-40	Would the project be located near sensitive receptors? The closest sensitive receptors to the program area are a community of single-family residences in the city of Livermore located approximately 4,500 feet to the west of the program area boundary and the Mountain House community located approximately 5,000 feet to the east of the program area boundary.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Same as Impact AQ-3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 3.4 for project specific documentation to support this determination.
Impact AQ-5: Create objectionable odors affecting a substantial number of people (less than significant)	3.3-14	3.3-41	Would the project cause objectionable odors that would affect a substantial number of people?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Note:</p> <p>It is anticipated that "The program would result in the development of new wind turbine generators that would not result in objectionable odors. Although program construction would involve the use of diesel equipment and a temporary batch plant that could result in the creation of odors, the construction activities would be temporary (approximately 5 years), spatially dispersed over the 49,202-acre program area, and would take place in areas that are not in the vicinity of sensitive receptors. Therefore, the program would not affect a substantial number of people."</p> <p>Potential odors from repowering projects and other related activities as described in the PEIR would fall within the impact assessed in the PEIR and be less than significant. If the project includes activities not covered in the PEIR the impact could be significant and will need to be evaluated.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 3.5 for project specific documentation to support this determination.
Biological Resources									
Impact BIO-1: Potential for ground-disturbing activities to result in adverse effects on special-status plants or habitat occupied by special-status plants (less than significant with mitigation)	3.4-1-6 3.4-22-25	3.4-60	Would project construction affect special-status plants or habitat occupied by special-status plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure BIO-1a: Conduct surveys to determine the presence or absence of special-status plant species</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Conduct surveys for the special-status plant species within and adjacent to all project sites no more than 3 years prior to construction <p>Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Implement best management practices shown in MM BIO-1b and incorporate them into individual project design and construction documents <p>Mitigation Measure BIO-1c: Avoid and minimize impacts on special-status plant species by establishing activity exclusion zones</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Establish activity exclusion zones around special-status plant species if construction will occur within 250 feet of the occupied habitat <input checked="" type="checkbox"/> If exclusion zone is to be smaller, consult with qualified biologist and obtain 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The FPEIR and Habitat Assessment indicate that the project may affect special-status plants. Implementation of the Mitigation Measures outlined to the left, identified originally in the FPEIR to address special-status species, would reduce the impact to a less than significant level.</p> <p>See Attachment A2 "Checklist Supporting Document", Section 4.1 for project specific documentation to support this determination.</p>

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						concurrence from CDFW. Note: All impacts on large-flowered fiddleneck, diamond-petaled California poppy, and caper-fruited tropidocarpum must be avoided, impacts on other special-status plant species will be avoided to the extent feasible, and any impacts related to avoidance being infeasible will be addressed through compensatory mitigation.			
						Mitigation Measure BIO-1d: Compensate for impacts on special-status plant species <input checked="" type="checkbox"/> Where avoidance of impacts on a special-status plant species is infeasible, compensate for through the acquisition, protection, and subsequent management in perpetuity of other existing occurrences at a 2:1 ratio (occurrences impacted: occurrences preserved). <input checked="" type="checkbox"/> Provide detailed information to the County and CDFW on the location of the preserved occurrences, quality of the preserved habitat, feasibility of protecting and managing the areas in-perpetuity, responsibility parties, and other pertinent information. Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas <input checked="" type="checkbox"/> Retain a qualified biologist to conduct monitoring			
Impact BIO-2: Adverse effects on special-status plants and natural communities resulting from the introduction and spread of invasive plant species (less than significant with mitigation)	3.4-3-4 3.4-8-21	3.4-65	Would construction vehicles have the potential to introduce invasive plant species into the project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents Mitigation Measure BIO-2: Prevent introduction, spread, and establishment of invasive plant species <input checked="" type="checkbox"/> To avoid and minimize the introduction and spread of invasive non-native plant species, all project components will implement the BMPs specified under MM-BIO-2. Mitigation Measure BIO-5c: Restore disturbed annual grasslands <input checked="" type="checkbox"/> Prepare a Grassland Restoration Plan in coordination with CDFW <input checked="" type="checkbox"/> Receive CDFW approval of Grassland Restoration Plan Mitigation Measure WQ-1: Comply with NPDES requirements <input checked="" type="checkbox"/> File NOI with the State Water Board <input checked="" type="checkbox"/> Prepare SWPPP <input checked="" type="checkbox"/> Receive approval by the San Francisco Bay Regional Water Board and the Central Valley Water Board Note:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect special-status plants via the introduction of invasive non-native plant species to the project area. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.2 for project specific documentation to support this determination.

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						Erosion control reduces impacts related to invasive plants through erosion of soils in which they grow.			
Impact BIO-3: Potential mortality of or loss of habitat for vernal pool branchiopods and curved-footed hygrotus diving beetle (less than significant with mitigation)	3.4-1-8 3.4-28-29	3.4-67	Would the project occur in or near vernal pool habitat or drainages? Would the project involve road construction or widening? Would the project alter the hydrology or sedimentation? Would herbicides be used during operation or maintenance near or upstream of suitable habitat for curved-footed hygrotus diving beetle? Would the project involve road or firebreak maintenance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas <input checked="" type="checkbox"/> Retain a qualified biologist to conduct monitoring Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species <input checked="" type="checkbox"/> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect special—status vernal pool branchiopods and curved-footed hygrotus diving beetle. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.3 for project specific documentation to support this determination.
						Mitigation Measure BIO-3b: Implement measures to avoid, minimize, and mitigate impacts on vernal pool branchiopods and curved-footed hygrotus diving beetle <input checked="" type="checkbox"/> Implement measures <input checked="" type="checkbox"/> Where impacts cannot be avoided or minimized, undertake compensatory mitigation in accordance with mitigation ratios and requirements developed under the EACCS (Appendix C of the Program EIR). <input checked="" type="checkbox"/> If an incidental take permit is required, undertake compensatory mitigation in accordance with the terms of the permit in consultation with USFWS.			

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
Impact BIO-4: Potential disturbance or mortality of and loss of suitable habitat for valley elderberry longhorn beetle (less than significant with mitigation)	3.4-1-8 3.4-25-28	3.4-71	<p>Would the project cause the removal of elderberry shrubs during construction or operation?</p> <p>Would the project cause the trimming of elderberry shrubs during construction or operation?</p> <p>Would the project cause disturbance of elderberry roots within the shrub dripline?</p> <p>Would the project cause changes in topography or compaction of soil from construction in the vicinity of elderberry shrubs?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents <p>Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Retain a qualified biologist to conduct monitoring <p>Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction <p>Mitigation Measure BIO-4a: Implement measures to avoid or protect habitat for valley elderberry longhorn beetle</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Avoid removal of elderberry shrubs. <input checked="" type="checkbox"/> Protect elderberry shrubs/clusters within 100 feet of the construction area. (A qualified biologist will mark the elderberry shrubs and clusters and orange construction barrier fencing will be placed at the edge of the buffer areas.) <input checked="" type="checkbox"/> Receive approval from USFWS for buffer areas. No construction activities will be permitted within the buffer zone. <input checked="" type="checkbox"/> Post signs every 50 feet (15.2 meters) along the perimeter of the buffer area fencing... <input checked="" type="checkbox"/> Inspect buffer area fences around elderberry shrubs weekly by a qualified biological monitor during ground-disturbing activities and monthly after ground-disturbing activities until project construction is complete or until the fences are removed <input checked="" type="checkbox"/> Submit biological inspection reports to USFWS. <p>Mitigation Measure BIO-4b: Compensate for direct and indirect effects on valley elderberry longhorn beetle</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> If elderberry shrubs cannot be avoided and protected as outlined in Mitigation Measure 4a, the project proponent will obtain an incidental take permit from USFWS. <input checked="" type="checkbox"/> If elderberry shrubs cannot be avoided and protected as outlined in Mitigation Measure 4a, the project proponent will compensate for the loss of any elderberry shrubs. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The FPEIR indicates that the project may affect valley elderberry longhorn beetle. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant.</p> <p>See Attachment A2 "Checklist Supporting Document", Section 4.4 for project specific documentation to support this determination.</p>

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
Impact BIO-5: Potential disturbance or mortality of and loss of suitable habitat for California tiger salamander, western spadefoot, California red-legged frog, and foothill yellow-legged frog (less than significant with mitigation)	3.4-1-8 3.4-8-22 3.4-29-32	3.4-76	Would the project include any of the following activities? <ul style="list-style-type: none"> Excavation, grading, or stockpiling of soil Removal or disturbance of upland habitat Installation of power collection and communication systems Turbine construction Road infrastructure construction/maintenance and upgrades Meteorological tower installation and removal Temporary staging area set-up Reclamation Operation and maintenance Travel on maintenance roads 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species <ul style="list-style-type: none"> Implement best management practices and incorporate them into individual project design and construction documents Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas <ul style="list-style-type: none"> Retain a qualified biologist to conduct monitoring Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species <ul style="list-style-type: none"> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction Mitigation Measure BIO-5a: Implement best management practices to avoid and minimize effects on special-status amphibians <ul style="list-style-type: none"> Implement best management practices shown in and incorporate them into individual project design and construction documents If implementation of some of these measures requires a take permit, obtain incidental take permits from USFWS (California red-legged frog and California tiger salamander) and from CDFW (California tiger salamander only) before construction begins. Implement additional conservation measures or conditions of approval in applicable project permits (e.g., ESA or CESA incidental take authorization). Comply with the State of California State Water Resources Control Board NPDES construction general requirements for stormwater. Mitigation Measure BIO-5b: Compensate for loss of habitat for special-status amphibians <ul style="list-style-type: none"> If impacts on aquatic and upland habitat for special-status amphibians cannot be avoided or minimized, undertake compensatory mitigation in accordance with mitigation ratios and requirements developed under the EACCS (Appendix C of the PEIR). If take authorization is required, undertake compensatory mitigation in accordance with the terms of the authorization in consultation with USFWS and/or CDFW. Mitigation Measure BIO-5c: Restore disturbed annual grasslands <ul style="list-style-type: none"> Prepare and submit a Grasslands Restoration Plan within 30 days prior to any ground disturbance 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect special—status California tiger salamander, western spadefoot toad, California red-legged frog, and foothill yellow-legged frog. Implementation of Mitigation Measures BIO-1b through BIO-5c as outlined in the FPEIR and in the column to the left would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.5 for project specific documentation to support this determination.

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
Impact BIO-6: Potential disturbance or mortality of and loss of suitable habitat for western pond turtle (less than significant with mitigation)	3.4-1-8 3.4-32-33	3.4-82	<p>Would the project involve construction activities in or near ponds, reservoirs, drainages, or surrounding riparian and grassland areas?</p> <p>Would the project involve road construction or widening activities?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents <p>Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Retain a qualified biologist to conduct monitoring <p>Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction <p>Mitigation Measure BIO-6: Conduct preconstruction surveys for western pond turtle and monitor construction activities if turtles are observed</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Conduct surveys for western pond turtle one week before and within 24 hours of beginning work in suitable aquatic <input checked="" type="checkbox"/> Have a biological monitor present during construction activities in the aquatic habitat where the turtle was observed <input checked="" type="checkbox"/> Have a qualified biologist remove and relocate turtle to appropriate aquatic habitat outside and away from the construction area (relocation of western pond turtle requires a letter from CDFW authorizing this activity) 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The FPEIR and Habitat Assessment indicate that the project may affect special—status western pond turtle. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant.</p> <p>See Attachment A2 "Checklist Supporting Document", Section 4.6 for project specific documentation to support this determination.</p>
Impact BIO-7: Potential disturbance or mortality of and loss of suitable habitat for Blainville's horned lizard, Alameda whipsnake, and San Joaquin coachwhip (less than significant with mitigation)	3.4-1-8 3.4-32-34	3.4-85	<p>Would the project involve construction activities in grassland, chaparral, oak woodland, or scrub?</p> <p>Would the project involve road and firebreak maintenance activities in grassland, chaparral, oak woodland, or scrub?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Implement best management practices shown in and incorporate them into individual project design and construction documents <p>Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Retain a qualified biologist to conduct monitoring <p>Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction <p>Mitigation Measure BIO-7a: Implement best management practices to avoid and minimize effects on special-status reptiles</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Implement best management practices shown in and incorporate them into individual project design and construction documents <input checked="" type="checkbox"/> If implementation of some of these measures requires a take permit, obtain incidental take permits from USFWS and CDFW (Alameda whipsnake) before construction begins. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The FPEIR and Habitat Assessment indicate that the project may affect special—status Blainville's horned lizard, Alameda whipsnake, and San Joaquin coachwhip snake. . Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant.</p> <p>See Attachment A2 "Checklist Supporting Document", Section 4.7 for project specific documentation to support this determination.</p>

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<input checked="" type="checkbox"/> Implement additional conservation measures or conditions of approval in applicable project permits (i.e., ESA incidental take permit).			
						Mitigation Measure BIO-7b: Compensate for loss of habitat for special-status reptiles <input checked="" type="checkbox"/> If impacts on habitat for special-status reptiles cannot be avoided or minimized, compensatory mitigation will be undertaken in accordance with mitigation ratios and requirements developed under the EACCS (Appendix C of the EIR). <input checked="" type="checkbox"/> If incidental take permits are required for Alameda whipsnake, compensatory mitigation will be undertaken in accordance with the terms of permits in consultation with USFWS and CDFW.			
Impact BIO-8: Potential construction-related disturbance or mortality of special-status and non-special-status migratory birds (less than significant with mitigation)	3.4-1-8 3.4-34-42	3.4-89	Would construction occur during nesting season (generally February 1–August 31)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas <input checked="" type="checkbox"/> Retain a qualified biologist to conduct monitoring Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species <input checked="" type="checkbox"/> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction Mitigation Measure BIO-5c: Restore disturbed annual grasslands <input checked="" type="checkbox"/> Prepare and submit a Grasslands Restoration Plan within 30 days prior to any ground disturbance Mitigation Measure BIO-8a: Implement measures to avoid and minimize potential impacts on special-status and non-special-status nesting birds <input checked="" type="checkbox"/> Implement best management practices, including: <input checked="" type="checkbox"/> Preconstruction bird surveys <input checked="" type="checkbox"/> Coordination with USFW on golden eagles <input checked="" type="checkbox"/> Coordination with CDFW and USFWS on active nests Mitigation Measure BIO-8b: Implement measures to avoid and minimize potential impacts on western burrowing owl <input checked="" type="checkbox"/> Implement best management practices, including: <input checked="" type="checkbox"/> Preconstruction burrowing owl surveys <input checked="" type="checkbox"/> Coordination with CDFW on active burrowing owl nests <input checked="" type="checkbox"/> Coordination with CDFW on burrowing owl buffer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A1 "Project Description", Attachment A2 "Checklist Supporting Document", Attachment A4 "Biological Resources Report and Habitat Assessment", and Attachment A6 "Avian and Bat Protection Plan". See Attachment A2 "Checklist Supporting Document", Section 4.8 for project specific documentation to support this determination.

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<input checked="" type="checkbox"/> Coordination with CDFW on burrowing owl exclusion plan			
Impact BIO-9: Permanent and temporary loss of occupied habitat for western burrowing owl and foraging habitat for tricolored blackbird and other special-status and non-special-status birds (less than significant with mitigation)	3.4-1-8 3.4-34-42	3.4-94	Would the project result in the temporary or permanent loss of grassland?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Mitigation Measure BIO-5b: Compensate for loss of habitat for special-status amphibians <input checked="" type="checkbox"/> If impacts on aquatic and upland habitat for special-status amphibians cannot be avoided or minimized, undertake compensatory mitigation in accordance with mitigation ratios and requirements developed under the EACCS (Appendix C of the EIR). <input checked="" type="checkbox"/> If take authorization is required, undertake compensatory mitigation in accordance with the terms of the authorization in consultation with USFWS and/or CDFW. Mitigation Measure BIO-5c: Restore disturbed annual grasslands <input checked="" type="checkbox"/> Prepare and submit a Grasslands Restoration Plan within 30 days prior to any ground disturbance Mitigation Measure BIO-9: Compensate for the permanent loss of occupied habitat for western burrowing owl <input checked="" type="checkbox"/> If construction activities would result in the removal of occupied burrowing owl habitat, permanently protect mitigation land through a conservation easement or implement alternative mitigation <input checked="" type="checkbox"/> Consult with CDFW, as described in its Staff Report on Burrowing Owl Mitigation (California Department of Fish and Game 2012:11-13), to develop the compensation plan <input checked="" type="checkbox"/> Submit compensation plan for County review and approval	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR, Habitat Assessment, and Avian and Bat Protection Plan indicate that the project will potentially result in temporary loss of occupied owl and foraging habitat for tricolored blackbird and other special-status and non-special-status birds. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.9 for project specific documentation to support this determination.
Impact BIO-10: Potential injury or mortality of and loss of habitat for San Joaquin kit fox and American badger (less than significant with mitigation)	3.4-1-8 3.4-45-46	3.4-96	Would the project result in temporary or permanent impacts on grassland? Would the project use vehicles that could hit San Joaquin kit fox or American badger? Would the project have exposed pipes, large excavated holes, or trenches that could entrap San Joaquin kit foxes or American badgers? Would the project have operation or maintenance activities, such as road and firebreak maintenance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas <input checked="" type="checkbox"/> Retain a qualified biologist to conduct monitoring Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species <input checked="" type="checkbox"/> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction Mitigation Measure BIO-5c: Restore disturbed annual grasslands <input checked="" type="checkbox"/> Prepare and submit a Grasslands Restoration Plan within 30 days prior to any ground disturbance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect special-status San Joaquin kit fox and American badger. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.10 for project specific documentation to support this determination.
						Mitigation Measure BIO-10a: Implement measures to avoid and minimize			

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<p>potential impacts on San Joaquin kit fox and American badger</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Implement BMPs, including: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Preconstruction San Joaquin kit fox and American badger surveys <input checked="" type="checkbox"/> Conducting preconstruction surveys no less than 14 days and no more than 30 days before the beginning of ground disturbance, or any activity likely to affect San Joaquin kit fox <input checked="" type="checkbox"/> Submission of results of the preconstruction survey including the locations of any potential or known San Joaquin kit fox dens to USFWS <input checked="" type="checkbox"/> If implementation of some of these BMPs requires a take permit, obtain incidental take permits from USFWS and CDFW (San Joaquin kit fox) before construction begins. <p>Mitigation Measure BIO-10b: Compensate for loss of suitable habitat for San Joaquin kit fox and American badger</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> If permanent impacts on habitat for San Joaquin kit fox and American badger cannot be avoided or minimized, undertake compensatory mitigation in accordance with mitigation ratios and requirements developed under the EACCS (Appendix C in EIR). <input checked="" type="checkbox"/> If incidental take permits are required for San Joaquin kit fox, undertake compensatory mitigation in accordance with the terms of permits in consultation with USFWS and CDFW. 			
Impact BIO-11: Avian mortality resulting from interaction with wind energy facilities (significant and unavoidable)	3.4-1-8 3.4-46-49	3.4-102	Would the project include turbines or powerlines?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure BIO-11a: Prepare a project-specific avian protection plan</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Prepare a project-specific avian protection plan (APP) <input checked="" type="checkbox"/> Submit a draft project-specific APP to the County for review by the TAC <p>Mitigation Measure BIO-11b: Site turbines to minimize potential mortality of birds</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Conduct a siting process <input checked="" type="checkbox"/> Prepare a siting analysis to select turbine locations to minimize potential impacts on bird and bat species <input checked="" type="checkbox"/> Use model to identify dangerous locations for birds and bats based on site-specific risk factors <input checked="" type="checkbox"/> Include siting analysis and model results for each turbine in project-specific APP <p>Mitigation Measure BIO-11c: Use turbine designs that reduce avian impacts</p> <p>Implement the following design-related measures:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Select designs that have been shown or that are suspected to reduce avian fatalities, based on the height, color, configuration, or other features of the turbines <input checked="" type="checkbox"/> Limit or eliminate perching opportunities 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The FPEIR, Habitat Assessment, and Avian and Bat Protection Plan indicate that the project will result in avian mortality resulting from interaction with wind energy facilities. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact, but not to a less than significant. This impact is considered significant and unavoidable.</p> <p>See Attachment A2 "Checklist Supporting Document", Section 4.11 for project specific documentation to support this determination. Estimated mortality occurring as a result of the project is included in this section.</p>

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<input checked="" type="checkbox"/> Limit or eliminate nesting or roosting opportunities <input checked="" type="checkbox"/> Install lighting on the fewest number of turbines allowed by FAA regulations, and all pilot warning lights will fire synchronously. Use only red or dual red-and-white strobe, strobe-like, or flashing lights and operate at the minimum allowable intensity, flashing frequency, and quantity allowed by FAA			
						<p>Mitigation Measure BIO-11d: Incorporate avian-safe practices into design of turbine-related infrastructure</p> <input checked="" type="checkbox"/> Implement avian-safe practices			
						<p>Mitigation Measure BIO-11e: Retrofit existing infrastructure to minimize risk to raptors</p> <input checked="" type="checkbox"/> Retrofit any existing power lines in a specific project area that are owned by the wind project operator and are associated with electrocution of an eagle or other raptor, within 30 days, to make them raptor-safe according to Avian Power Line Interaction Committee guidelines. <input checked="" type="checkbox"/> Retrofit all other existing structures to remain in a project area during repowering, as feasible, according to specifications of Mitigation Measure BIO-11c prior to repowered turbine operation.			
						<p>Mitigation Measure BIO-11f: Discourage prey for raptors</p> Apply the following measures when designing and siting turbine-related infrastructure to minimize opportunities for fossorial mammals to become established <input checked="" type="checkbox"/> Do not use rodenticide on the project site to avoid the risk of raptors scavenging the remains of poisoned animals <input checked="" type="checkbox"/> Place boulders (rocks more than 12 inches in diameter) excavated during project construction in aboveground piles more than 500 meters (1,640 feet) from any turbine <input checked="" type="checkbox"/> Move existing rock piles created during construction of first- and second-generation turbines at least 500 meters (1,640 feet) from turbines <input checked="" type="checkbox"/> Place gravel around each tower foundation to discourage small mammals from burrowing near turbines			
						<p>Mitigation Measure BIO-11g: Implement post-construction avian fatality monitoring for all repowering projects</p> Implement the post-construction monitoring program, including: <input checked="" type="checkbox"/> Conducting fatality monitoring for a minimum of 3 years <input checked="" type="checkbox"/> Forming a technical advisory committee (TAC) <input checked="" type="checkbox"/> Conducting carcass surveys <input checked="" type="checkbox"/> Providing for avian use surveys to be conducted within the project area boundaries for a minimum of 30 minutes duration			

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<input checked="" type="checkbox"/> Submitting raw data and annual reports to the County			
						<p>Mitigation Measure BIO-11h: Compensate for the loss of raptors and other avian species, including golden eagles, by contributing to conservation efforts</p> <input checked="" type="checkbox"/> Implement the compensation measures, including submitting to the County for approval specific conservation effort to be pursued as part of the avian conservation strategy review process			
						<p>Mitigation Measure BIO-11i: Implement an avian adaptive management program</p> <input checked="" type="checkbox"/> Implement the adaptive management program in MM BIO-11i if fatality monitoring described in Mitigation Measure BIO-11g results in an estimate that exceeds the preconstruction baseline fatality estimates (i.e., estimates at the non-repowered turbines as described in this PEIR) for any focal species or species group (i.e., individual focal species, all focal species, all raptors, all non-raptors, all birds combined). This includes:			
						<input checked="" type="checkbox"/> Preparing a project-specific adaptive management plan within 2 months following the availability of the fatality monitoring results			
						<input checked="" type="checkbox"/> Implementing the project-specific adaptive management plans within 2 months of approval by the County			
Impact BIO-12: Potential mortality or disturbance of bats from roost removal or disturbance (less than significant with mitigation)	3.4-1-8 3.4-42-45	3.4-127	Would the project construction or decommissioning involve any of the following activities? <ul style="list-style-type: none"> Increased traffic, noise, lighting, or human access Removal or disturbance of trees, rock outcrops, debris piles, outbuildings, or other artificial structures Removal of special-status species' roost structures 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species</p> <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR, Habitat Assessment, and Avian and Bat Protection Plan indicate that the project may potentially cause mortality or disturbance of bats from roost removal or disturbance. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant.
						<p>Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species</p> <input checked="" type="checkbox"/> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction			See Attachment A2 "Checklist Supporting Document", Section 4.12 for project specific documentation to support this determination.
						<p>Mitigation Measure BIO-12a: Conduct bat roost surveys</p> <input checked="" type="checkbox"/> Prior to development of any repowering project, conduct a roost habitat assessment to identify potential colonial roost sites of special-status and common bat species within 750 feet of the construction area			
						<input checked="" type="checkbox"/> If suitable roost sites are to be removed or otherwise affected by the proposed project, conduct targeted roost surveys of all identified sites that would be affected (several separate survey visits may be required)			
						<input checked="" type="checkbox"/> At the completion of the roost surveys, submit a report documenting areas surveyed, methods, results, and mapping of high-quality habitat or confirmed roost locations			
						<p>Mitigation Measure BIO-12b: Avoid removing or disturbing bat roosts</p> <input checked="" type="checkbox"/> Do not disturb active bat roosts and provide a minimum buffer of 500 feet where preexisting disturbance is moderate or 750 feet where preexisting disturbance is			

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						minimal <input checked="" type="checkbox"/> Confirm buffer distances and determination of the need for a biological monitor for active maternity roosts or hibernacula in consultation with CDFW. <input checked="" type="checkbox"/> Wherever feasible, leave structures (natural or artificial) showing evidence of significant bat use within the past year in place as habitat <input checked="" type="checkbox"/> Consult with CDFW should such a structure need to be removed or disturbed <input checked="" type="checkbox"/> Provide environmental awareness training to construction personnel, establish buffers, and initiate consultation with CDFW if needed <input checked="" type="checkbox"/> Shield and angle artificial night lighting within 500 feet of any roost in such that bats may enter and exit the roost without artificial illumination and the roost does not receive artificial exposure to visual predators <input checked="" type="checkbox"/> Conduct tree and vegetation removal outside the maternity season (April 1–September 15) <input checked="" type="checkbox"/> If a maternity roost or hibernaculum is present within 500 feet of the construction site where preexisting disturbance is moderate or within 750 feet where preexisting disturbance is minimal, have a qualified biological monitor onsite during groundbreaking activities			
Impact BIO-13: Potential for construction activities to temporarily remove or alter bat foraging habitat (less than significant)	3.4-1–8 3.4-42–45	3.4-130	Would project construction degrade bat foraging habitat by replacing vegetation with non-vegetated land cover types?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Loss or degradation of bat foraging habitat by replacing vegetation with and by creating a temporary increase in traffic, noise, and artificial night lighting in the program area, reducing the extent of landscape available for foraging would fall within the impact assessed in the PEIR and be less than significant because the amount of landscape returned to foraging habitat in the process of decommissioning the first- and second-generation turbines would offset the amount of foraging habitat lost to repowering activities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR, Habitat Assessment, and Avian and Bat Protection Plan indicate that the project will temporarily remove or alter bat foraging habitat. No mitigation is required. See Attachment A2 "Checklist Supporting Document", Section 4.13 for project specific documentation to support this determination.
Impact BIO-14: Turbine-related fatalities of special-status and other bats (significant and unavoidable – findings of overriding considerations made with the program EIR)	3.4-1–8 3.4-42–45	3.4-131	Would the project involve turbines?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note: These mitigation measures will not reduce the impact to less than significant Mitigation Measure BIO-14a: Site and select turbines to minimize potential mortality of bats <input checked="" type="checkbox"/> Use the best information available to site turbines and to select from turbine models in such a manner as to reduce bat collision risk; measures include siting turbines the greatest distance feasible up to 500 meters (1,640) feet from still or flowing bodies of water, riparian habitat, known roosts, and tree stands (California Bat Working Group 2006:6). <input checked="" type="checkbox"/> Conduct a bat habitat assessment and roost survey to identify and map habitat of potential significance to bats <input checked="" type="checkbox"/> Incorporate relevant bat use survey data and bat fatality records published by other projects in the APWRA into turbine siting decisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR, Habitat Assessment, and Avian and Bat Protection Plan will involve turbines and may affect special-status and other bats. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact, but not to a less than significant. This impact is considered significant and unavoidable. See Attachment A2 "Checklist Supporting Document", Section 4.14 for project specific documentation to support this determination.

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<input checked="" type="checkbox"/> Carry out roost surveys according to the methods described in Mitigation Measure-BIO-12a.			
						<input checked="" type="checkbox"/> Mitigation Measure BIO-14b: Implement post-construction bat fatality monitoring program for all repowering projects <input checked="" type="checkbox"/> Implement a scientifically defensible, post-construction bat fatality monitoring program <input checked="" type="checkbox"/> Include on the TAC at least one biologist with significant expertise in bat research and wind energy impacts on bats <input checked="" type="checkbox"/> Conduct bat acoustic surveys concurrently with fatality monitoring in the project area <input checked="" type="checkbox"/> Modify the fatality search protocol will be implemented to obtain better information on the number and timing of bat fatalities <input checked="" type="checkbox"/> Use bat carcasses in detection probability trials to develop bat-specific detection probabilities Mitigation Measure BIO-14c: Prepare and publish annual monitoring reports on the findings of bat use of the project area and fatality monitoring results <input checked="" type="checkbox"/> Produce annual reports of bat use results and fatality monitoring within 3 months of the end of the last day of fatality monitoring <input checked="" type="checkbox"/> Report special-status bat species records to CNDDB Mitigation Measure BIO-14d: Develop and implement a bat adaptive management plan <input checked="" type="checkbox"/> In concert with Mitigation Measure BIO-14b, develop adaptive management plans to ensure appropriate, feasible, and current incorporation of emerging information Mitigation Measure BIO-14e: Compensate for expenses incurred by rehabilitating injured bats <input checked="" type="checkbox"/> Assume in full the cost of reasonable, licensed rehabilitation efforts for any injured bats taken to wildlife care facilities from the program area			
Impact BIO-15: Potential for road infrastructure upgrades to result in adverse effects on alkali meadow (less than significant with mitigation)	3.4-1-8 3.4-10-11	3.4-141	Would the project involve grading, widening, or regravelling of existing roads or construction of new roads in alkali meadow habitat? Would existing culverts be upgraded or new culverts installed in alkali meadow habitat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure BIO-15: Compensate for the loss of alkali meadow habitat <input checked="" type="checkbox"/> If alkali meadow habitat is filled or disturbed, compensate for the loss of this habitat <input checked="" type="checkbox"/> Determine compensation ratios through coordination with state and federal agencies (CDFW, USFWS, USACE) <input checked="" type="checkbox"/> Develop and implement a restoration and monitoring plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect alkali meadow. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.15 for project specific documentation to support this determination.
Impact BIO-16: Potential for road infrastructure upgrades to result in	3.4-1-8	3.4-142	Would the project involve grading, widening, or regravelling of existing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure BIO-16: Compensate for the loss of riparian habitat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect riparian habitat. Implementation of the Mitigation

Implementation Checklist

Project Title: **Summit Wind Project**

Project Identification: **PLN2014-00056**

Alameda County Planning Department

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
adverse effects on riparian habitat (less than significant with mitigation)	3.4-14-15		roads or construction of new roads in riparian habitat? Would existing culverts be upgraded or new culverts installed in riparian habitat?			<input checked="" type="checkbox"/> If riparian habitat is filled or removed as part of a project, compensate for the loss of riparian habitat <input checked="" type="checkbox"/> Determine compensation ratios through coordination with state and federal agencies (CDFW, USFWS, USACE) <input checked="" type="checkbox"/> Develop and implement a restoration and monitoring plan			Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.16 for project specific documentation to support this determination.
Impact BIO-17: Potential for ground-disturbing activities to result in direct adverse effects on common habitats (less than significant)	3.4-8-21	3.4-143	Would the project cause ground disturbance in common habitats? Would the project not include the following measures, which are part of the project, as described in Chapter 2, <i>Program Description</i> , of the EIR? <input checked="" type="checkbox"/> develop a reclamation plan in coordination with the County, USFWS, and CDFW <input checked="" type="checkbox"/> ensure the reclamation plan is completed and approved by the County 6 months in advance of project decommissioning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note: No mitigation is required for projects as described in the PEIR because all lands disturbed by infrastructure installation or removal would be returned to pre-project conditions per the County required reclamation plan. If the project does not include these measures, it would not fall within the impacts identified in the PEIR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect common habitat. Implementation of the reclamation plan outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.17 for project specific documentation to support this determination.
Impact BIO-18: Potential for road infrastructure upgrades to result in adverse effects on wetlands (less than significant with mitigation)	3.4-1-8 3.4-15-17	3.4-145	Would the project involve grading, widening, or regraveling of existing roads or construction of new roads in wetlands? Would existing culverts be upgraded or new culverts installed in wetlands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure BIO-18: Compensate for the loss of wetlands <input checked="" type="checkbox"/> If wetlands are filled or disturbed as part of a project, compensate for the loss of this habitat functions <input checked="" type="checkbox"/> Determine compensation ratios through coordination with state and federal agencies (CDFW, USFWS, USACE) <input checked="" type="checkbox"/> Develop and implement a restoration and monitoring plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect wetlands. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.18 for project specific documentation to support this determination.
Impact BIO-19: Potential impact on the movement of any native resident or migratory wildlife species or established native resident or migratory wildlife corridors, and the use of native wildlife nursery sites (significant and unavoidable - <i>findings of overriding considerations made with the program EIR</i>)	3.4-1-8 3.4-25-49	3.4-146	Would the project involve construction activities or fencing of work areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note: These mitigation measures will not reduce the impact to less than significant Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas <input checked="" type="checkbox"/> Retain a qualified biologist to conduct monitoring Mitigation Measure BIO-3a: Conduct preconstruction surveys for habitat for special-status wildlife species	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect native resident or migratory wildlife species or established native resident or migratory wildlife corridors, and the use of native wildlife nursery sites. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.19 for project specific documentation to support this determination.

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<input checked="" type="checkbox"/> Conduct surveys for the special-status wildlife species within and adjacent to all project sites no more than 3 years prior to construction			
						<p>Mitigation Measure BIO-4a: Implement measures to avoid or protect habitat for valley elderberry longhorn beetle</p> <input checked="" type="checkbox"/> Avoid removal of elderberry shrubs. <input checked="" type="checkbox"/> Protect elderberry shrubs/clusters within 100 feet of the construction area. (A qualified biologist will mark the elderberry shrubs and clusters and orange construction barrier fencing will be placed at the edge of the buffer areas.) <input checked="" type="checkbox"/> Receive approval from USFWS for buffer areas. No construction activities will be permitted within the buffer zone. <input checked="" type="checkbox"/> Post signs every 50 feet (15.2 meters) along the perimeter of the buffer area fencing... <input checked="" type="checkbox"/> Inspect buffer area fences around elderberry shrubs weekly by a qualified biological monitor during ground-disturbing activities and monthly after ground-disturbing activities until project construction is complete or until the fences are removed <input checked="" type="checkbox"/> Submit biological inspection reports to USFWS.			
						<p>Mitigation Measure BIO-5a: Implement best management practices to avoid and minimize effects on special-status amphibians</p> <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents <input checked="" type="checkbox"/> If implementation of some of these measures requires a take permit, obtain incidental take permits from USFWS (California red-legged frog and California tiger salamander) and from CDFW (California tiger salamander only) before construction begins. <input checked="" type="checkbox"/> Implement additional conservation measures or conditions of approval in applicable project permits (e.g., ESA or CESA incidental take authorization). <input checked="" type="checkbox"/> Comply with the State of California State Water Resources Control Board NPDES construction general requirements for stormwater.			
						<p>Mitigation Measure BIO-5c: Restore disturbed annual grasslands</p> <input checked="" type="checkbox"/> Prepare and submit a Grasslands Restoration Plan within 30 days prior to any ground disturbance			
						<p>Mitigation Measure BIO-7a: Implement best management practices to avoid and minimize effects on special-status reptiles</p> <input checked="" type="checkbox"/> Implement best management practices and incorporate them into individual project design and construction documents <input checked="" type="checkbox"/> If implementation of some of these measures requires a take permit, obtain incidental take permits from USFWS and CDFW (Alameda whipsnake) before			

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						construction begins. <input checked="" type="checkbox"/> Implement additional conservation measures or conditions of approval in applicable project permits (i.e., ESA incidental take permit).			
						Mitigation Measure BIO-8a: Implement measures to avoid and minimize potential impacts on special-status and non-special-status nesting birds <input checked="" type="checkbox"/> Implement best management practices, including: <input checked="" type="checkbox"/> Preconstruction bird surveys <input checked="" type="checkbox"/> Coordination with USFW on golden eagles <input checked="" type="checkbox"/> Coordination with CDFW and USFWS on active nests Mitigation Measure BIO-8b: Implement measures to avoid and minimize potential impacts on western burrowing owl <input checked="" type="checkbox"/> Implement best management practices, including: <input checked="" type="checkbox"/> Preconstruction burrowing owl surveys <input checked="" type="checkbox"/> Coordination with CDFW on active burrowing owl nests <input checked="" type="checkbox"/> Coordination with CDFW on burrowing owl buffer <input checked="" type="checkbox"/> Coordination with CDFW on burrowing owl exclusion plan Mitigation Measure BIO-10a: Implement measures to avoid and minimize potential impacts on San Joaquin kit fox and American badger <input checked="" type="checkbox"/> Implement BMPs, including: <input checked="" type="checkbox"/> Preconstruction San Joaquin kit fox and American badger surveys <input checked="" type="checkbox"/> Conducting preconstruction surveys no less than 14 days and no more than 30 days before the beginning of ground disturbance, or any activity likely to affect San Joaquin kit fox <input checked="" type="checkbox"/> Submission of results of the preconstruction survey including the locations of any potential or known San Joaquin kit fox dens to USFWS <input checked="" type="checkbox"/> If implementation of some of these BMPs requires a take permit, obtain incidental take permits from USFWS and CDFW (San Joaquin kit fox) before construction begins. Mitigation Measure BIO-11b: Site turbines to minimize potential mortality of birds <input checked="" type="checkbox"/> Conduct a siting process <input checked="" type="checkbox"/> Prepare a siting analysis to select turbine locations to minimize potential impacts on bird and bat species <input checked="" type="checkbox"/> Use model to identify dangerous locations for birds and bats based on site-specific risk factors <input checked="" type="checkbox"/> Include siting analysis and model results for each turbine in project-specific APP			

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<p>Mitigation Measure BIO-11c: Use turbine designs that reduce avian impacts Implement the following design-related measures:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Select designs that have been shown or that are suspected to reduce avian fatalities, based on the height, color, configuration, or other features of the turbines <input checked="" type="checkbox"/> Limit or eliminate perching opportunities <input checked="" type="checkbox"/> Limit or eliminate nesting or roosting opportunities <input checked="" type="checkbox"/> Install lighting on the fewest number of turbines allowed by FAA regulations, and all pilot warning lights will fire synchronously. Use only red or dual red-and-white strobe, strobe-like, or flashing lights and operate at the minimum allowable intensity, flashing frequency, and quantity allowed by FAA <p>Mitigation Measure BIO-11d: Incorporate avian-safe practices into design of turbine-related infrastructure</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Implement avian-safe practices <p>Mitigation Measure BIO-11e: Retrofit existing infrastructure to minimize risk to raptors</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Retrofit any existing power lines in a specific project area that are owned by the wind project operator and are associated with electrocution of an eagle or other raptor, within 30 days, to make them raptor-safe according to Avian Power Line Interaction Committee guidelines. <input checked="" type="checkbox"/> Retrofit all other existing structures to remain in a project area during repowering, as feasible, according to specifications of Mitigation Measure BIO-11c prior to repowered turbine operation. <p>Mitigation Measure BIO-11i: Implement an avian adaptive management program</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Implement the adaptive management program if fatality monitoring described in Mitigation Measure BIO-11g results in an estimate that exceeds the preconstruction baseline fatality estimates (i.e., estimates at the non-repowered turbines as described in this PEIR) for any focal species or species group (i.e., individual focal species, all focal species, all raptors, all non-raptors, all birds combined). This includes: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Preparing a project-specific adaptive management plan within 2 months following the availability of the fatality monitoring results <input checked="" type="checkbox"/> Implementing the project-specific adaptive management plans within 2 months of approval by the County <p>Mitigation Measure BIO-12a: Conduct bat roost surveys</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Prior to development of any repowering project, conduct a roost habitat assessment to identify potential colonial roost sites of special-status and common bat species within 750 feet of the construction area 			

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<input checked="" type="checkbox"/> If suitable roost sites are to be removed or otherwise affected by the proposed project, conduct targeted roost surveys of all identified sites that would be affected (several separate survey visits may be required) <input checked="" type="checkbox"/> At the completion of the roost surveys, submit a report documenting areas surveyed, methods, results, and mapping of high-quality habitat or confirmed roost locations			
						<p>Mitigation Measure BIO-12b: Avoid removing or disturbing bat roosts</p> <input checked="" type="checkbox"/> Do not disturb active bat roosts and provide a minimum buffer of 500 feet where preexisting disturbance is moderate or 750 feet where preexisting disturbance is minimal <input checked="" type="checkbox"/> Confirm buffer distances and determination of the need for a biological monitor for active maternity roosts or hibernacula in consultation with CDFW. <input checked="" type="checkbox"/> Wherever feasible, leave structures (natural or artificial) showing evidence of significant bat use within the past year in place as habitat <input checked="" type="checkbox"/> Consult with CDFW should such a structure need to be removed or disturbed <input checked="" type="checkbox"/> Provide environmental awareness training to construction personnel, establish buffers, and initiate consultation with CDFW if needed <input checked="" type="checkbox"/> Shield and angle artificial night lighting within 500 feet of any roost in such that bats may enter and exit the roost without artificial illumination and the roost does not receive artificial exposure to visual predators <input checked="" type="checkbox"/> Conduct tree and vegetation removal outside the maternity season (April 1–September 15) <input checked="" type="checkbox"/> If a maternity roost or hibernaculum is present within 500 feet of the construction site where preexisting disturbance is moderate or within 750 feet where preexisting disturbance is minimal, have a qualified biological monitor onsite during groundbreaking activities			
						<p>Mitigation Measure BIO-14a: Site and select turbines to minimize potential mortality of bats</p> <input checked="" type="checkbox"/> Use the best information available to site turbines and to select from turbine models in such a manner as to reduce bat collision risk; measures include siting turbines the greatest distance feasible up to 500 meters (1,640) feet from still or flowing bodies of water, riparian habitat, known roosts, and tree stands (California Bat Working Group 2006:6). <input checked="" type="checkbox"/> Conduct a bat habitat assessment and roost survey to identify and map habitat of potential significance to bats <input checked="" type="checkbox"/> Incorporate relevant bat use survey data and bat fatality records published by other projects in the APWRA into turbine siting decisions <input checked="" type="checkbox"/> Carry out roost surveys according to the methods described in Mitigation Measure-BIO-12a.			

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						Mitigation Measure BIO-14d: Develop and implement a bat adaptive management plan <input checked="" type="checkbox"/> In concert with Mitigation Measure BIO-14b, develop adaptive management plans to ensure appropriate, feasible, and current incorporation of emerging information			
Impact BIO-20: Conflict with local plans or policies (less than significant with mitigation)	3.4-6-8	3.4-153	Would project construction or operation cause the loss of special-status species or their habitat, loss of alkali meadow, loss of riparian habitat, or loss of existing wetlands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note: The mitigation measures below are not repeated here because they are addressed above Mitigation Measure BIO-1a: Conduct surveys to determine the presence or absence of special-status species Mitigation Measure BIO-1b: Implement best management practices to avoid and minimize impacts on special-status species Mitigation Measure BIO-1c: Avoid and minimize impacts on special-status plant species by establishing activity exclusion zones Mitigation Measure BIO-1d: Compensate for impacts on special-status plant species Mitigation Measure BIO-1e: Retain a biological monitor during ground-disturbing activities in environmentally sensitive areas Mitigation Measure BIO-3a: Implement measures to avoid, minimize, and mitigate impacts on vernal pool branchiopods and curved-footed hygrotus diving beetle Mitigation Measure BIO-4a: Implement measures to avoid or protect habitat for valley elderberry longhorn beetle Mitigation Measure BIO-4b: Compensate for direct and indirect effects on valley elderberry longhorn beetle Mitigation Measure BIO-5a: Implement best management practices to avoid and minimize effects on special-status amphibians Mitigation Measure BIO-5b: Compensate for loss of habitat for special-status amphibians Mitigation Measure BIO-5c: Restore disturbed annual grasslands Mitigation Measure BIO-7a: Implement best management practices to avoid and minimize effects on special-status reptiles Mitigation Measure BIO-7b: Compensate for loss of habitat for special-status reptiles Mitigation Measure BIO-8a: Implement measures to avoid and minimize potential impacts on special-status and non-special-status nesting birds Mitigation Measure BIO-8b: Implement measures to avoid and minimize potential impacts on western burrowing owl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR and Habitat Assessment indicate that the project may affect special-status species or their habitat, loss of alkali meadow, loss of riparian habitat, or loss of existing wetlands, conflicting with local plans or policies. Implementation of the Mitigation Measures outlined in the FPEIR for the issue would reduce the impact to less than significant. See Attachment A2 "Checklist Supporting Document", Section 4.20 for project specific documentation to support this determination.

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	EXISTING CONDITIONS	IMPACTS					NO	YES	
						Mitigation Measure BIO-9: Compensate for the permanent loss of foraging habitat for western burrowing owl Mitigation Measure BIO-10a: Implement measures to avoid and minimize potential impacts on San Joaquin kit fox and American badger Mitigation Measure BIO-10b: Compensate for loss of suitable habitat for San Joaquin kit fox and American badger Mitigation Measure BIO-15: Compensate for the loss of alkali meadow habitat Mitigation Measure BIO-16: Compensate for the loss of riparian habitat Mitigation Measure BIO-18: Compensate for the loss of wetlands			
Impact BIO-21: Conflict with provisions of an adopted HCP/NCCP or other approved local, regional, or state habitat conservation plan (no impact)	NA	3.4-158	Would the project include activities that are not within the scope of the project described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: There are no adopted HCP/NCCPs for the program area. If the proposed project does not fall within the scope of activities described in the PEIR but the project would not conflict with the EACCS, there would be no impact.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The FPEIR indicates that the project will not conflict with adopted HCP/NCCPs. See Attachment A2 "Checklist Supporting Document", Section 4.21 for project specific documentation to support this determination.
Cultural									
Impact CUL-1: Cause a substantial adverse change in the significance of a historical resource (less than significant with mitigation)	3.5-1-3 3.5-6-12	3.5-15	Are any historic architectural resources located in the project area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mitigation Measure CUL-1a: Avoid historic resources <input type="checkbox"/> Where feasible, avoid historic resources in design and layout of a proposed project in the program area Mitigation Measure CUL-1b: Appropriate recordation of historic resources <input type="checkbox"/> If Mitigation Measure CUL-1a is determined to be infeasible, record the significantly affected historic resource following the guidelines of NPS, HABS, or HAER and provide the documentation to NPS, the SHPO, and local repositories as determined by Alameda County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A5 "Draft Phase 1 Survey" for project specific documentation to support this determination. Should additional areas of impact be defined as located beyond the project footprint surveyed in POWER (2015), additional survey may be necessary. CUL-1a: Known historic-era resources must be avoided during construction. CUL-1b: There are no known historic-era resources in the area of direct impact requiring a formal and evaluative recordation.
Impact CUL-2: Cause a substantial adverse change in the significance of an archaeological resource (less than significant with mitigation)	3.5-1-12	3.5-17	Would the project involve ground-disturbing activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure CUL-2a: Conduct a preconstruction cultural field survey and cultural resources inventory and evaluation <input checked="" type="checkbox"/> Conduct an archaeological field survey of the program area and include the documentation and result of these efforts, the evaluation of any cultural resources identified during the survey, and cultural resources monitoring Mitigation Measure CUL-2b: Develop a treatment plan for any identified significant cultural resources <input checked="" type="checkbox"/> If any significant resources are identified through the preconstruction survey, develop and implement a treatment plan that could include site avoidance,	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A5 "Draft Phase 1 Survey" for project specific documentation to support this determination. CUL-2a: The required archaeological survey was conducted in August 2015 by POWER Engineers, Inc. and the need for active monitoring was described in this report. No active monitoring is considered necessary. CUL-2b: An archaeological resource was identified during the survey and can be avoided during project construction through the use of a Best Management Practice (fencing).

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						capping, or data recovery Mitigation Measure CUL-2c: Conduct worker awareness training for archaeological resources prior to construction <input checked="" type="checkbox"/> Prior to the initiation of any site preparation and/or the start of construction, ensure that all construction workers receive training overseen by a qualified professional archaeologist who is experienced in teaching non-specialists, to ensure that forepersons and field supervisors can recognize archaeological resources Mitigation Measure CUL-2d: Stop work if cultural resources are encountered during ground-disturbing activities <input checked="" type="checkbox"/> In the construction specifications, include a stop-work order if prehistoric or historic-era cultural resources are unearthed during ground-disturbing activities <input checked="" type="checkbox"/> If such resources are encountered, immediately halt all activity within 100 feet of the find until a qualified archaeologist can assess the significance of the find. <input checked="" type="checkbox"/> If the find is determined to be potentially develop a treatment plan that could include site avoidance, capping, or data recovery			CUL-2c: A qualified Project Archaeologist must be retained by the Applicant to conduct worker awareness training and design a process, known as the Cultural Resource Mitigation-monitoring Plan (CRMP), which will describe how archaeological resources must be treated if they are encountered without an archaeologist present. CUL-2d: The project CRMP must describe how archaeological resources must be dealt with if they are encountered without an archaeologist present. The CRMP must include the process for issuing a stop-work order, delineation of a 100-foot buffer zone, and development of a treatment plan.
Impact CUL-3: Disturb any human remains, including those interred outside of formal cemeteries (less than significant with mitigation)	3.5-1-3	3.5-20	Would the project involve ground-disturbing activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure CUL-3: Stop work if human remains are encountered during ground-disturbing activities <input checked="" type="checkbox"/> In the construction specifications, include a stop-work order if human remains are discovered <input checked="" type="checkbox"/> Do not excavate or disturb the site within a 100-foot radius of the location of such discovery, or any nearby area reasonably suspected to overlie adjacent remains <input checked="" type="checkbox"/> Notify the Alameda County Coroner	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A5 "Draft Phase 1 Survey" for project specific documentation to support this determination. CUL-3) If buried cultural materials or potential human remains are encountered during construction, it is the policy of the County of Alameda that work stop at the location until the Project Archaeologist can evaluate the nature and significance of the find. (CUL-4 in POWER 2015)
Geology, Soils, Mineral Resources, and Paleontological Resources									
Impact GEO-1: Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death, as a result of rupture of a known earthquake fault (less than significant with mitigation)	3.6-1-9 3.6-9-13	3.6-19	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure GEO-1: Conduct site-specific geotechnical investigation and implement design recommendations in subsequent geotechnical report <input checked="" type="checkbox"/> Prior to construction activities at any site, retain a geotechnical firm with local expertise in geotechnical investigation and design to prepare a site-specific geotechnical report <input checked="" type="checkbox"/> Submit site-specific geotechnical report to the County building department <input checked="" type="checkbox"/> Incorporate geotechnical recommendations into project design	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 6.1 for project specific documentation to support this determination.
Impact GEO-2: Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death, as a result of strong seismic ground shaking (less than significant with mitigation)	3.6-1-9 3.6-9-13	3.6-21	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure GEO-1: Conduct site-specific geotechnical investigation and implement design recommendations in subsequent geotechnical report <input checked="" type="checkbox"/> See Impact Geo-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 6.2 for project specific documentation to support this determination.

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	EXISTING CONDITIONS	IMPACTS					NO	YES	
than significant with mitigation)									
Impact GEO-3: Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death, as a result of seismic-related ground failure, including landsliding and liquefaction (less than significant with mitigation)	3.6-1-9 3.6-9-13	3.6-24	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure GEO-1: Conduct site-specific geotechnical investigation and implement design recommendations in subsequent geotechnical report <input checked="" type="checkbox"/> See Impact Geo-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 6.3 for project specific documentation to support this determination.
Impact GEO-4: Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death, as a result of landsliding (less than significant with mitigation)	3.6-1-9 3.6-9-13	3.6-26	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure GEO-1: Conduct site-specific geotechnical investigation and implement design recommendations in subsequent geotechnical report <input checked="" type="checkbox"/> See Impact Geo-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 6.4 for project specific documentation to support this determination.
Impact GEO-5: Result in substantial soil erosion or the loss of topsoil (less than significant)	3.6-1-9 3.6-14-15	3.6-28	Would the project not include the following measures, which are part of the project, as described in Chapter 2, Program Description, of the EIR? <input checked="" type="checkbox"/> prepare a SWPPP <input checked="" type="checkbox"/> develop a reclamation plan in coordination with the County, USFWS, and CDFW <input checked="" type="checkbox"/> ensure the reclamation plan is completed and approved by the County 6 months in advance of project decommissioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project does not include these measures, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 6.5 for project specific documentation to support this determination.
Impact GEO-6: Be located on expansive soil, creating substantial risks to life or property (less than significant with mitigation)	3.6-1-9 3.6-14-15	3.6-31	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure GEO-1: Conduct site-specific geotechnical investigation and implement design recommendations in subsequent geotechnical report <input checked="" type="checkbox"/> See Impact Geo-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 6.6 for project specific documentation to support this determination.
Impact GEO-7: Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature (less than significant with mitigation)	3.6-4 3.6-15-17	3.6-32	Would the project involve ground-disturbing earthwork associated with construction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure GEO-7a: Retain a qualified professional paleontologist to monitor significant ground-disturbing activities <input checked="" type="checkbox"/> Retain a qualified professional paleontologist as defined by the SVP's Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources (2010) to monitor activities with the potential to disturb sensitive paleontological resources <input checked="" type="checkbox"/> Monitor ground-disturbing activities as determined by the professional paleontologist (in general, these activities include any ground-disturbing activities involving excavation deeper than 3 feet in areas with high potential to contain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A5 "Draft Phase 1 Cultural Resource Survey" for project specific documentation to support this determination. GEO 7a through 7c) The Applicant must retain a Project Paleontologist to design a Paleontologic Resource Mitigation-monitoring Plan (PRMP). The PRMP must allow a professional paleontologist the opportunity to decide whether paleontological monitoring should occur in those portions of the project footprint that bear "high potential" to contain intact and sensitive paleontologic resources. The

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						sensitive paleontological resources) <input checked="" type="checkbox"/> Prepare recovered fossils so that they can be properly documented and ensure they are curated at an appropriate facility Mitigation Measure GEO-7b: Educate construction personnel in recognizing fossil material <input checked="" type="checkbox"/> Ensure that all construction personnel receive training provided by a qualified professional paleontologist experienced in teaching non-specialists to ensure that they can recognize fossil materials in the event any are discovered during construction. Mitigation Measure GEO-7c: Stop work if substantial fossil remains are encountered during construction <input checked="" type="checkbox"/> If substantial fossil remains (particularly vertebrate remains) are discovered during earth disturbing activities, stop activities within 100 feet of the find immediately until a state-registered professional geologist or qualified professional paleontologist can assess the nature and importance of the find and a qualified professional paleontologist can recommend appropriate treatment. <input checked="" type="checkbox"/> Ensure that recommendations regarding treatment and reporting are implemented			PRMP must be written once the specific ground disturbing impacts are known during project design and the PRMP is considered a Best Management Practice. The need for the PRMP must be added to Project design specifications by the County of Alameda prior to approval of the Project. (PAL-5 of POWER 2015) See Attachment A2 "Checklist Supporting Document", Section 6.7 for project specific documentation to support this determination.
Greenhouse Gas Emissions									
Impact GHG-1: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment (less than significant)	3.7-1-7 3.7-7-11	3.7-16	Would the project include activities that are not within the scope of the project described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project would include activities unrelated to wind power generation, the GHG impacts generated by the project would not be offset by the wind power generation related reduction in GHGs described in Impact GHG-1. However, if the project itself would result in a net reduction of CO _{2e} per year, the impact is less than significant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 7.1 for project specific documentation to support this determination.
Impact GHG-2: Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases (less than significant with mitigation)	3.7-1-7 3.7-7-11	3.7-24	Would the project use vehicles that emit greenhouse gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure GHG-2a: Implement best available control technology for heavy-duty vehicles <input checked="" type="checkbox"/> Document that the vehicles used for project construction meet the specified requirements Mitigation Measure GHG-2b: Install low SF6 leak rate circuit breakers and monitoring <input checked="" type="checkbox"/> Ensure that any new circuit breaker installed at a substation has a guaranteed SF6 leak rate of 0.5% by volume or less <input checked="" type="checkbox"/> Provide Alameda County with documentation of compliance, such as specification sheets, prior to installation of the circuit breaker <input checked="" type="checkbox"/> Monitor the SF6-containing circuit breakers at the substation consistent with Scoping Plan Measure H-6 for the detection and repair of leaks Mitigation Measure GHG-2c: Require new construction to use building materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 7.2 for project specific documentation to support this determination.

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						containing recycled content <input checked="" type="checkbox"/> In the construction of all new substation and other permanent buildings, incorporate materials for which the sum of post-consumer recycled content plus one-half of the post-industrial content constitutes at least 10% of the total value of the materials in the project Mitigation Measure GHG-2d: Comply with construction and demolition debris management ordinance <input checked="" type="checkbox"/> Comply with the County's revised Green Building Ordinance regarding construction and demolition debris as follows: (1) 100% of inert waste and 50% wood/vegetative/scrap metal not including Alternative Daily Cover (ADC) and unsalvageable material will be put to other beneficial uses at landfills, and (2) 100% of inert materials (concrete and asphalt) will be recycled or put to beneficial reuse.			
Hazards and Hazardous Materials									
Impact HAZ-1: Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials (less than significant)	3.8-1-6 3.8-6-9	3.8-10	Would the project <u>NOT</u> implement the following BMPs and procedures? <ul style="list-style-type: none"> Standard construction BMPs to reduce pollutant emissions during construction BMPs to reduce the potential for or exposure to accidental spills involving the use of hazardous materials Procedures to carefully disassemble and remove wind turbines in a manner consistent with recycling and/or reselling the units 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project does not include these measures, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 8.1 for project specific documentation to support this determination.
Impact HAZ-2a-1: Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment (less than significant)	3.8-1-6 3.8-6-9	3.8-13	Would the project involve activities or materials beyond those described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project includes activities not covered in the PEIR the impact could be significant and will need to be evaluated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 8.2 for project specific documentation to support this determination.
Impact HAZ-3: Emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school (no impact)	3.8-1-6 3.8-7	3.8-15	Is a public or private K-12 school located within 0.25 mile of the project area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: There are no public or private K-12 schools within 0.25 mile of the program area. The nearest school is approximately 0.48 mile east of proposed wind facilities and it is unlikely that hazardous materials would be emitted or released within 0.25 mile of any schools. Also, implementation of the SWPPP by contractors would reduce the potential of a hazardous spill incident. Should the project be located within 0.25 mile of a public or private K-12 school, it	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 8.3 for project specific documentation to support this determination.

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	EXISTING CONDITIONS	IMPACTS					NO	YES	
						would not fall within the impacts assessed in the PEIR and the impact will need to be evaluated.			
Impact HAZ-4: Location on a hazardous materials site, creating a significant hazard to the public or the environment (less than significant with mitigation)	3.8-1-6 3.8-6-9	3.8-16	Would the project involve soil disturbance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure HAZ-4: Perform a Phase I Environmental Site Assessment prior to construction activities and remediate if necessary <input checked="" type="checkbox"/> Conduct a Phase I environmental site assessment prior to construction and in conformance with the American Society for Testing and Materials Standard Practice E1527-05 <input checked="" type="checkbox"/> Conduct all environmental investigation, sampling, and remediation activities associated with properties in the project area under a work plan approved by the regulatory oversight agency <input checked="" type="checkbox"/> Include results of any investigation and/or remediation activities conducted in the project area in the project-level EIR	<input type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 8.4 for project specific documentation to support this determination.
Impact HAZ-5: Location within an airport land use plan area or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, resulting in a safety hazard for people residing or working in the project area (less than significant with mitigation)	3.8-1-6 3.8-7	3.8-19	Would the project be located in the Byron Airport influence area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mitigation Measure HAZ-5: Coordinate with the Contra Costa ALUC prior to final design <input type="checkbox"/> If wind turbines are proposed to be constructed within the Byron Airport influence area zones, coordinate and consult with the Contra Costa County Airport Land Use Commission and request review and obtain approval of the final design and placement of wind turbines <input type="checkbox"/> Incorporate any ALUC recommendations in to the final design	<input type="checkbox"/>	<input type="checkbox"/>	Require the application to include mapping to show locations of proposed turbines in relation to the Byron Airport influence areas or any private airstrips, including distances. See Attachment A2 "Checklist Supporting Document", Section 8.5 for project specific documentation to support this determination.
Impact HAZ-6: Location within the vicinity of a private airstrip, resulting in a safety hazard for people residing or working in the project area (less than significant)	3.8-1-6 3.8-7	3.8-21	Would the project be located within 2 miles of a private airstrip?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: Should the project be located within 2 miles of a private airstrip, it would not fall within the impacts assessed in the PEIR and the impact will need to be evaluated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require the application to include mapping to show locations of proposed turbines in relation to the Byron Airport influence areas or any private airstrips, including distances. See Attachment A2 "Checklist Supporting Document", Section 8.6 for project specific documentation to support this determination, and Figure E8-1 for Byron Airport influence areas and private air strips.
Impact HAZ-7: Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan (less than significant with mitigation)	3.8-1-6	3.8-22	Would the project increase vehicular traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mitigation Measure TRA-1: Develop and implement a construction traffic control plan (see Traffic)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 8.7 for project specific documentation to support this determination.
Impact HAZ-8: Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences	3.8-1-6 3.8-7-9	3.8-24	Would the project alter the Altamont Pass Wind Farms Fire Requirements as described in Exhibit C of the 2005 CUP's?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project does not include these measures, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 8.8 for project specific documentation to support this determination.

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	EXISTING CONDITIONS	IMPACTS					NO	YES	
are intermixed with wildlands (less than significant)									
Impact HAZ-9: During normal operation, the effects of bending and stress on rotor blades over time could lead to blade failure and become a potential blade throw hazard (less than significant)	3.8-1-6	3.8-26	Is there potential for blade throw to occur outside windfarm boundaries? Would overall site access <u>NOT</u> be limited to persons approved for entry by the windfarm operators or landowners?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note: If the project does not include such restriction, a standard County requirement, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 8.9 for project specific documentation to support this determination.
Hydrology and Water Quality									
Impact WQ-1a-1: Violate any water quality standards or waste discharge requirements—program Alternative 1: 417 MW (less than significant with mitigation)	3.9-1-5 3.9-5-6	3.9-7	Would the project involve earth-disturbing activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure WQ-1: Comply with NPDES requirements <input checked="" type="checkbox"/> File NOI with the State Water Board <input checked="" type="checkbox"/> Prepare SWPPP <input checked="" type="checkbox"/> Receive approval by the San Francisco Bay Regional Water Board and the Central Valley Water Board	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.1 for project specific documentation to support this determination.
Impact WQ-2: Substantially deplete groundwater supplies or interfere substantially with groundwater recharge, resulting in a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted) (less than significant)	3.9-1-5 3.9-6	3.9-10	Would the project involve very large areas of disturbance or involve a substantial use of water beyond that described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project has a larger footprint, or larger water use than that described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.2 for project specific documentation to support this determination.
Impact WQ-3: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation onsite or offsite less than significant with mitigation)	3.9-1-5 3.9-5-6	3.9-11	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure WQ-1: Comply with NPDES requirements (see Impact WQ-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.3 for project specific documentation to support this determination.
Impact WQ-4: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding onsite or offsite (less than significant with	3.9-1-5 3.9-5-6	3.9-12	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure WQ-1: Comply with NPDES requirements (see Impact WQ-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.4 for project specific documentation to support this determination.

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IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
mitigation)									
Impact WQ-5: Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff (less than significant with mitigation)	3.9-1-5 3.9-5-6	3.9-14	Would the project be constructed in an area with stormwater drainage facilities? Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure WQ-1: Comply with NPDES requirements (see Impact WQ-1) Note: The program area does not currently have existing or planned stormwater drainage facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.5 for project specific documentation to support this determination.
Impact WQ-6a-1: Otherwise substantially degrade water quality—program Alternative 1: 417 MW (less than significant with mitigation)	3.9-1-5 3.9-5-6	3.9-15	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure WQ-1: Comply with NPDES requirements (see Impact WQ-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.6 for project specific documentation to support this determination.
Impact WQ-7: Place housing within a 100-year flood hazard area, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map (no impact)	3.9-1-5 3.9-6	3.9-17	Would the project involve construction of housing or be constructed within the 100-year floodplain?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project would involve construction of housing or be constructed within the 100-year floodplain, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.7 for project specific documentation to support this determination.
Impact WQ-8: Place within a 100-year flood hazard area structures that would impede or redirect floodflows (no impact)	3.9-1-5 3.9-6	3.9-17	Would the project involve construction of housing or be constructed within the 100-year floodplain?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project would involve construction of housing or be constructed within the 100-year floodplain, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.8 for project specific documentation to support this determination.
Impact WQ-9: Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam (no impact)	3.9-1-5 3.9-6	3.9-17	Would the project involve construction of housing or be constructed within the 100-year floodplain?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project would involve construction of housing or be constructed within the 100-year floodplain, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.9 for project specific documentation to support this determination.
Impact WQ-10: Contribute to inundation by seiche, tsunami, or mudflow (less than significant with mitigation)	3.9-1-5 3.9-5-6	3.9-18	Would the project involve construction activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure WQ-1: Comply with NPDES requirements (see Impact WQ-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 9.10 for project specific documentation to support this determination.
Land Use and Planning									
Impact LU-1: Physically divide an established community (no impact)	3.10-1-2 3.10-3	3.10-4	Would the project divide an established community?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: There are no established communities in the program area that could be divided by any development associated with a wind project. If the project involves locations or activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 10.1 for project specific documentation to support this determination.
Impact LU-2: Conflict with any	3.10-1-2		Would the project involve activities or	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document",

IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, a general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect (no impact)	3.10-3		materials beyond those described in the PEIR?			If the project involves locations beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.			Section 10.2 for project specific documentation to support this determination.
Impact LU-3: Conflict with any applicable habitat conservation plan or natural community conservation plan (no impact)	3.10-1-2 3.10-3	3.10-6	Would the project include activities that are not within the scope of the project described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: There are no adopted HCP/NCCPs for the program area. If the proposed project does not fall within the scope of activities described in the PEIR but the project would not conflict with the EACCS, there would be no impact.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 10.3 for project specific documentation to support this determination.
Noise									
Impact NOI-1: Exposure of residences to noise from new wind turbines—program Alternative 1 (less than significant with mitigation)	3.11-5-8 3.11-8-9	3.11-11	Would the project be located with approximately 2,000 feet of residences?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure NOI-1: Perform project-specific noise studies and implement measures to comply with County noise standards <input checked="" type="checkbox"/> Retain a qualified acoustic consultant to prepare a report that evaluates noise impacts associated with operation of the proposed wind turbines <input checked="" type="checkbox"/> Include a noise monitoring survey to quantify existing noise conditions at noise sensitive receptors located within 2,000 feet of any proposed turbine location <input checked="" type="checkbox"/> Include measurement of the daily A-weighted L _{dn} values over a 1-week period and concurrent logging of wind speeds at the nearest meteorological station <input checked="" type="checkbox"/> Include a site-specific evaluation of predicted operational noise levels at nearby noise sensitive uses. <input checked="" type="checkbox"/> Modify project if operation of the project is predicted to result in noise in excess of 55 dBA (L _{dn}) where noise is currently less than 55 dBA (L _{dn}) or result in a 5 dB increase where noise is currently greater than 55 dBA(L _{dn}) <input checked="" type="checkbox"/> Submit a report to the County demonstrating how the project will comply with these performance standards <input checked="" type="checkbox"/> After review and approval of the report by County staff, incorporate measures as necessary into the project to ensure compliance with these performance standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require the application to include mapping to show locations of proposed turbines in relation to residences, including distances. See Attachment A2 "Checklist Supporting Document", Section 11.1 for project specific documentation to support this determination, and Section 2.2 for a map showing locations of proposed turbines in relation to residences.
Impact NOI-2: Exposure of residences to noise during decommissioning and new turbine construction (less than significant with mitigation)	3.11-5-8 3.11-8-9	3.11-15	Would construction equipment be used within 800 feet of residences?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure NOI-2: Employ noise-reducing practices during decommissioning and new turbine construction <input checked="" type="checkbox"/> Employ noise-reducing construction practices , which may include: <input checked="" type="checkbox"/> Prohibit noise-generating activities before 7 a.m. and after 7 p.m. on any day except Saturday or Sunday, and before 8 a.m. and after 5 p.m. on Saturday or Sunday <input checked="" type="checkbox"/> Locate equipment as far as practical from noise sensitive uses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require the application to include mapping to show locations of proposed turbines in relation to residences, including distances. See Attachment A2 "Checklist Supporting Document", Section 11.2 for project specific documentation to support this determination, , and Section 2.2 for a map showing locations of proposed turbines in relation to residences.

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IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
						<input checked="" type="checkbox"/> Require that all construction equipment powered by gasoline or diesel engines have sound-control devices <input checked="" type="checkbox"/> Use noise-reducing enclosures around noise-generating equipment where practicable <input checked="" type="checkbox"/> Do not use gasoline or diesel engines without muffled exhausts			
Population and Housing									
Impact POP-1: Induce substantial population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extension of roads or other infrastructure) (no impact)	3.12-1-2 3.12-2-4	3.12-5	Would the project create any housing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project includes housing, the impact of the project would not be covered by the Program EIR.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 12.1 for project specific documentation to support this determination.
Impact POP-2: Displace a substantial number of existing housing units, necessitating the construction of replacement housing elsewhere (no impact)	3.12-1-2 3.12-2-4	3.12-9	Would the project result in the demolition or displacement of existing housing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project results in the demolition or displacement of housing, the impacts of the project would fall outside of those identified in the Program EIR, and additional impacts could occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 12.2 for project specific documentation to support this determination.
Impact POP-3: Displace a substantial number of people, necessitating the construction of replacement housing elsewhere (no impact)	3.12-1-2 3.12-2-4	3.12-9	Would the project result in the demolition or displacement of existing housing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project results in the demolition or displacement of housing, the impacts of the project would fall outside of those identified in the Program EIR, and additional impacts could occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 12.3 for project specific documentation to support this determination.
Public Services									
Impact PS-1: Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities or a need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the following public services: fire protection; police protection; schools; parks; other public facilities (no impact)	3.13-1 3.13-1-2	3.13-3	Would the project involve activities beyond those described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 13.1 for project specific documentation to support this determination.

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IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
Recreation									
Impact REC-1: Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated (no impact)	3.14-1-2	3.14-3	Would the project involve activities beyond those described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 14.1 for project specific documentation to support this determination.
Impact REC-2: Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment (no impact)	3.14-1-2	3.14-4	Would the project involve activities beyond those described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 14.1 for project specific documentation to support this determination.
Transportation/Traffic									
Impact TRA-1: Conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation, including mass transit and non-motorized travel and relevant components of the circulation system, including, but not limited to, intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit or conflict with an applicable congestion management program, including, but not limited to, level-of-service standards and travel demand measures or other standards established by the county congestion management agency for designated roads or highways (less than significant with mitigation)	3.15-1-5 3.15-5-7	3.15-10	Would the project construction or operation increase traffic? Would the project involve activities beyond those described in the PEIR?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mitigation Measure TRA-1: Develop and implement a construction traffic control plan <input checked="" type="checkbox"/> Prepare and implement a Traffic Control Plan (TCP) that adheres to Alameda County and Caltrans requirements <input checked="" type="checkbox"/> Submit the TCP for review and approval of the County Public Works Department prior to implementation <input checked="" type="checkbox"/> Include any additional elements required by the County or Caltrans during their review and approval of the TCP Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 15.1 for project specific documentation to support this determination.

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IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
Impact TRA-2: Conflict with an applicable congestion management program, including, but not limited to, level-of-service standards and travel demand measures or other standards established by the county congestion management agency for designated roads or highways (less than significant)	3.15-1-5 3.15-5-7	3.15-16	<p>Would the project maintenance needs be substantially greater than currently required?</p> <p>Would post-construction traffic generated by the maintenance activities exceed the capacity of the CMP roadway system and differ materially from the current maintenance traffic level?</p> <p>Would the increase in construction traffic be substantial?</p> <p>Would the increase in construction traffic degrade the traffic operation of the CMP roadway segments that already exceed the LOS standard E or cause a CMP roadway segment to exceed the LOS standard?</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Note:</p> <p>If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 15.1 for project specific documentation to support this determination.
Impact TRA-3: Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks (less than significant)	3.15-1-5 3.15-5-7	3.15-17	<p>Would the project affect air traffic patterns of the public or private airports in the vicinity of the program area?</p> <p>Would the project result in substantial safety risks associated with airport operations?</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Note:</p> <p>If the project involves activities or locations beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 15.1 for project specific documentation to support this determination.
Impact TRA-4: Substantially increase hazards because of a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment) due to construction-generated traffic (less than significant with mitigation)	3.15-1-5 3.15-5-7	3.15-18	<p>Would the project involve large, slow-moving construction-related vehicles and equipment among the general-purpose traffic on roadways?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure TRA-1: Develop and implement a construction traffic control plan (see Impact TRA-1)</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 15.1 for project specific documentation to support this determination.
Impact TRA-5: Result in inadequate emergency access due to construction-generated traffic (less than significant with mitigation)	3.15-1-5 3.15-5-7	3.15-20	<p>Would the project involve large, slow-moving construction-related vehicles and equipment among the general-purpose traffic on roadways?</p> <p>Would the project involve lane/road closures occurring during delivery of oversized loads?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure TRA-1: Develop and implement a construction traffic control plan (see Impact TRA-1)</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 15.1 for project specific documentation to support this determination.
Impact TRA-6: Conflict with adopted policies, plans, or programs regarding public transit, bicycle or pedestrian	3.15-1-5 3.15-5-7	3.15-21	<p>Would the project involve large, slow-moving construction-related vehicles and equipment among the general-</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Mitigation Measure TRA-1: Develop and implement a construction traffic control plan (see Impact TRA-1)</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 15.1 for project specific documentation to support this determination.

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IMPACT (As identified for Program-related activities, including post-mitigation level of significance)	DISCUSSION IN TEXT		APWRA ISSUES TO CONSIDER	NO	YES	MITIGATION MEASURES (DETAILS IN MMRP) AND NOTES	WOULD THE PROJECT, WITH MITIGATION, HAVE IMPACTS NOT IDENTIFIED IN THE PEIR?		SUMMARY OF DOCUMENTATION
	EXISTING CONDITIONS	IMPACTS					NO	YES	
facilities, or otherwise decrease the performance or safety of such facilities (less than significant with mitigation)			purpose traffic on roadways? Would the project involve lane/road closures occurring during delivery of oversized loads?						
Utilities and Service Systems									
Impact UT-1: Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board (less than significant)	3.16-1-3	3.16-3	Would the project generate a significant amount of wastewater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 16.1 for project specific documentation to support this determination.
Impact UT-2: Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects (no impact)	3.16-1-3	3.16-4	Would the project generate a significant amount of wastewater? Would new water or wastewater treatment facilities be required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 16.2 for project specific documentation to support this determination.
Impact UT-3: Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects (less than significant)	3.16-1-3	3.16-5	Would the project substantially modify the existing stormwater drainage patterns? Would the project increase impermeable surfaces onsite beyond the tower foundations? Would the project disturb less than 1 acre and therefore <u>NOT</u> be required to have coverage under the state's Construction General Permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 16.3 for project specific documentation to support this determination.
Impact UT-4: Require new or expanded entitlements to water resources (less than significant)	3.16-1-3	3.16-6	Would the project require more than minimal water use? Would the project require new or expanded entitlements to supply the program during construction or operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 16.4 for project specific documentation to support this determination.
Impact UT-5: Result in a determination by the wastewater treatment provider that serves or may serve the project that it does not have adequate capacity to serve the program's projected demand in addition to the provider's existing commitments (no impact)	3.16-1-3	3.16-7	Would the project involve the construction or expansion of wastewater systems? Would the project require an offsite wastewater treatment provider?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 16.5 for project specific documentation to support this determination.

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	EXISTING CONDITIONS	IMPACTS					NO	YES	
Impact UT-6: Generate solid waste that would exceed the permitted capacity of landfills to accommodate the program's solid waste disposal needs—program Alternative 1: 417 MW (less than significant)	3.16-1-3	3.16-8	Would the project involve activities beyond those described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 16.6 for project specific documentation to support this determination.
Impact UT-7: Not comply with federal, state, and local statutes and regulations related to solid waste (no impact)	3.16-1-3	3.16-9	Would the project involve activities beyond those described in the PEIR?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Note: If the project involves activities beyond those described in the PEIR, it would not fall within the impacts identified in the PEIR and could result in additional impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Attachment A2 "Checklist Supporting Document", Section 16.7 for project specific documentation to support this determination.

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Aesthetics

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