

DOCKETED

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Stantec Consulting Services Inc.
601 SW Second Avenue, Suite 1400
Portland OR 97204-3128

March 10, 2023

Drew Bohan, Executive Director
Leonidas Payne, Project Manager
California Energy Commission
715 P Street
Sacramento, CA 95814

Dear Mr. Bohan and Mr. Payne,

Reference: Fountain Wind Initial Response to Determination of Incomplete Application (TN 248742)

On behalf of Fountain Wind, LLC, Stantec submits this initial response to the California Energy Commission's ("CEC") Determination of Incomplete Application and Request for Information for the Fountain Wind Project, dated February 10, 2023 (TN 248742) ("Deficiency Letter"). Thank you for your prompt response on the application. As we prepare to respond to your letter, we would like to propose use of a numbering system to the requests provided in the Deficiency Letter, including the Data Adequacy Worksheet (provided as Attachment A to the Deficiency Letter) and Data Requests (provided as Attachment B to the Deficiency Letter), in order to organize Fountain Wind's forthcoming substantive responses. We have similarly numbered requests from MOU Agencies (provided as Attachment C to the Deficiency Letter) and additional data requests contained in the CEC's Attachment B Addendum (dated February 13, 2023; TN 248759).

The attached matrices separately address each set of requests and have been numbered as follows:

- Data Adequacy Worksheet, numbered by topic area, e.g., AIR-001, BIO-001, CUL-001, etc.
- Data Requests, numbered by topic area, e.g., CUL2-01, GEO2-01, etc.
- Attachment B Addendum, numbered by topic area, e.g., ALT2-01, LU2-01
- MOU Agencies, numbered by letter, e.g., RWQCB-01

The numbered requests are provided in the same order as originally provided by the CEC.

In accordance with the Deficiency Letter, we will provide additional information responsive to these requests on a rolling basis as soon as it becomes available. Fountain Wind looks forward to ongoing coordination with staff for this important wind energy project.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Caitlin Barns
Senior Environmental Planner

Deficiency Letter, Attachment B - Data Requests

Data Request Identifier	Topic	Information Required To Make AFC Conform With Regulations	Applicant's Response
Cultural Resources			
CUL2-01	Cultural Resources	<p>1. Please update the historic context, as presented in the Phase 1 cultural resources inventory report (Stantec 2019), to minimally include a discussion of the background history to provide for an understanding of various historic cultural resources and named historic features that are within no more than a 5-mile radius of the project location. The historic context shall discuss the role of California Native Americans in the project vicinity to reflect the high proportion of California Indians reported in the 1880 U.S. Census.</p> <p>This update should take place following completion of an architectural/built environment survey and report by or under the direction of an NPS qualified Architectural Historian (See also Section Appendix B (g) (2) (C).</p>	
CUL2-02	Cultural Resources	<p>This data request is made in addition to previously requested information in the Data Adequacy Worksheet. If Stantec staff determine that the original records search boundaries are inadequate, then Stantec shall conduct a new records search within an area not less than a 1-mile radius around the project site and not less than one-quarter (0.25) mile on each side of the linear facilities in accordance with CEC regulations, and provide all new documents, reports, and site records for review.</p>	
CUL2-03	Cultural Resources	<p>If an architectural field survey has been conducted and a built environment cultural resources compliance report previously prepared in accordance with Appendix B guidelines, then please provide this report for review.</p> <ul style="list-style-type: none"> • If an architectural field survey has not been conducted and a built environment cultural resources compliance report not previously prepared, then please conduct a historic architecture field survey inclusive of the project site and the project linear facility routes, extending no less than .5 mile out from the proposed plant site and from the routes of all above-ground linear facilities. A Secretary of the Interior-qualified historian or architectural historian shall conduct or oversee this survey and shall be listed as the author of the report prepared. • Please include State Route 299 in the built environment report. Confer with entities knowledgeable about the history of State Route 299, such as the California Department of Transportation and the Pit River Tribe (specifically Brandy McDaniels). • This report should comply with ARMR guidelines per Siting Regulation Appendix B (g) (2) (C). • It is further suggested that the report also be prepared in consideration of guidelines as outlined in Caltrans Volume 2 - Standard Environmental Reference, Chapter 6; Built Environment Cultural Resources Evaluation and Treatment, 2019 Update rev: 07/15/20 built environment features. Please evaluate all highways, roads, and trails in consideration of A Historical Context and Methodology for Evaluating Trails, Roads, and Highways in California, prepared by Caltrans, Sacramento, 2016. • The applicant may choose to combine the historic built environment inventory report with the Phase 1 cultural resources report and addenda for convenience of use by others and to ensure a comprehensive treatment of all types of cultural resources in the project area 	
CUL2-04	Cultural Resources	<p>Please Provide revised summary of literature search results from Appendix B(g)(2)(B).</p>	
CUL2-05	Cultural Resources	<p>Please provide a revised discussion of survey procedures, methods used to identify and evaluate cultural resources, and CEQA implications, incorporating information from the historic architecture survey. This discussion must include a version that excludes confidential cultural resources information to facilitate responsible public disclosure.</p>	
CUL2-06	Cultural Resources	<p>Please revise the report citation on all newly recorded sites to reflect the appropriate report and Please provide copies of all new DPR 523 forms completed as part of the historic built environment survey required under Appendix B(g)(2)(C).</p>	
CUL2-07	Cultural Resources	<p>Please provide a map at a scale of 1:24,000 U.S. Geological Survey quadrangle depicting the locations of all previously known and newly identified cultural resources compiled through the research required by Appendix B (g)(2)(B) and Appendix B (g)(2)(C) (ii).</p>	

Data Request Identifier	Topic	Information Required To Make AFC Conform With Regulations	Applicant's Response
CUL2-08	Cultural Resources	Please provide resumes of all personnel involved in the Phase 1 Inventory and any other addenda or reports in TN248291-5_20230103T125603 Cultural Report Author Qualifications, inclusive of a Secretary of the Interior-qualified architectural historian responsible for completing the missing architectural/built environment literature review and survey in accordance with Appendix B (g) (2) (C) (v).	
CUL2-09	Cultural Resources	If the requested architectural/built environment survey will require valid permits to conduct the survey (i.e. Forest Service permits), please update the Phase 1 Inventory report to include information indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	
CUL2-10	Cultural Resources	Revise the cultural report to include the location(s) of all ground disturbing activity proposed as part of the project and the depth of each identified disturbance including grading and proposed realignment of any identified access roads.	
Geologic Hazards			
GEO2-01	Geologic Hazards	Per Appendix B, (g) (1), (g) (17) (A), (g) (17) (B) please provide the Final Geotechnical and Geohazard Report based on the final locations of project improvements and that satisfies the siting regulation listed.	
GEO2-02	Geologic Hazards	Per Appendix B, (g) (17) (C) please provide a map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	
GEO2-03	Geologic Hazards	Per Appendix B, (i) (1) (A) please provide tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.	
GEO2-04	Geologic Hazards	Per Appendix B, (i) (1) (B) please provide tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state, and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	
GEO2-05	Geologic Hazards	Per Appendix B, (i) (2) please provide the name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	
GEO2-06	Geologic Hazards	Per Appendix B, (i) (3) please provide a schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	
Hazards and Hazardous Materials			
HAZ2-01	Hazards and Hazardous Materials	<p>Please provide copies of the following references that are not readily available online (for many the online link does not work).</p> <ul style="list-style-type: none"> • American Wind Energy Association (AWEA), 2020. Setbacks. Available online at: https://www.awea.org/policy-and-issues/project-development/state-and-local-permitting/setbacks. Accessed March 29, 2020. • Bundesinstitut für Risikobewertung (BfR), 2015. The BfR has finalized its draft report for the reevaluation of glyphosate. BfR Communication No. 008/2015. February 4, 2015. • Business Enterprise & Regulatory Reform (BERR). 2008. Onshore Wind: Shadow Flicker Available online at: https://webarchive.nationalarchives.gov.uk/20081013125014/http://www.berr.gov.uk/whatwedo/energy/sources/renewables/planning/onshore-wind/shadow-flicker/page18736.html Archived October 19, 2008; accessed June 19 • Cattin, R., S. Kunz, A. Heimo, G. Russi, M. Russi, and M. Tiefgraber, 2014. Wind Turbine Ice Throw Studies in the Swiss Alps. June 1, 2014. Available online at: https://www.researchgate.net/publication/228491358_Wind_turbine_ice_throw_studies_in_the_Swiss_Alps. • Chief Medical Officer of Health (CMOH), 2010. The Potential Health Impact of Wind Turbines. May 2010. Available online at: http://health.gov.on.ca/en/common/ministry/publications/reports/wind_turbine/wind_turbine.pdf. • deRoos et al., 2005. Cancer Incidence among Glyphosate-Exposed Pesticide Applicators in the Agricultural Health Study. Published in Environ Health Perspect. 2005 Jan; 113(1): 49–54 • International Agency for research on Cancer (IARC), 2015. IARC Monographs Volume 112: evaluation of five organophosphate insecticides and herbicides. March 20, 2015. • Morgan, C., E. Bossanyi, and H. Seifert, 1998. Assessment of Safety Risks 	

Data Request Identifier	Topic	Information Required To Make AFC Conform With Regulations	Applicant's Response
HAZ2-02	Hazards and Hazardous Materials	The use of pesticides (herbicides) is noted in several locations in Section 3.11.3, however only use glyphosate weed killers (herbicides) are specifically discussed. Please provide a list of all potential pesticides and herbicides that may be used for the Project.	
HAZ2-03	Hazards and Hazardous Materials	Provide information on Shasta County requirements for use, storage, and handling of herbicides, including glyphosate herbicides. Are permits required from the County for use of any of the potential herbicides to be used on the site?	
HAZ2-04	Hazards and Hazardous Materials	Are any other pesticides or herbicides going to be used onsite?	
HAZ2-05	Hazards and Hazardous Materials	Provide a copy of the Phase I Environmental Site Assessment (Phase I) prepared for the Project by Stantec Consulting Services.	
HAZ2-06	Hazards and Hazardous Materials	Provide a copy of an updated Phase 1 Environmental Site Assessment since the last one was completed in 2019.	
HAZ2-07	Hazards and Hazardous Materials	Provide information on what types of permits would need to be obtained for blasting, what agencies they would be obtained from, and a list of the types of safety measures and restrictions would be in place during any blasting activities.	
HAZ2-08	Hazards and Hazardous Materials	Identify whether a licensed professional would be required to prepare the blasting plan and who would be the responsible party onsite to supervise and direct blasting activities.	
HAZ2-09	Hazards and Hazardous Materials	Provide a discussion of the agencies and regulations that govern the use, storage, transportation, and handling of explosives and how they relate to Project activities.	
HAZ2-10	Hazards and Hazardous Materials	Provide a map of the possible locations where blasting could occur.	
HAZ2-11	Hazards and Hazardous Materials	Provide information on the volumes of fuel and numbers of fuel ASTs to be present onsite during both construction and operational activities.	
HAZ2-12	Hazards and Hazardous Materials	Provide a map (or GIS data) identifying the potential locations of fuel ASTs during both construction and operational activities.	
HAZ2-13	Hazards and Hazardous Materials	Provide information of refueling procedures to reduce the potential for spills or leaks, including locations of refueling activities for vehicles and equipment and spill kits to quickly clean up any minor releases. If any refueling were to occur in construction areas, how would spills or leaks be prevented.	
HAZ2-14	Hazards and Hazardous Materials	Provide a list of procedures to be followed in the event of a large spill from one of the fuel ASTs. Identify who would be responsible for coordinating cleanup and/or remediation of any onsite spills of leaks.	
HAZ2-15	Hazards and Hazardous Materials	Provide information on how cement will be transported to the various areas of the site from the batch plants and how and where will this equipment be cleaned to prevent soil or groundwater contamination.	
Soils			
SOILS2-001	Soils	Per Appendix B, (g) (15) (A), please provide text and/or a map addressing soil type with respect to agricultural land use. Ensure the map scale is 1:24,000.	
SOILS2-002	Soils	Per Appendix B, (g) (15) (A) (i), please provide a map depicting soil erodibility. Ensure the map scale is 1:24,000.	
SOILS2-003	Soils	Per Appendix B, (g) (15) (A) (ii), please provide a map depicting physical and chemical soil characteristics, in addition to Figure 3.9-2 Corrosion of Concrete and Steel. Ensure the map scale is 1:24,000.	
SOILS2-004	Soils	Per Appendix B, (g) (15) (B) and (g) (15) (B) (i), please provide text discussing the impact on soil resources and agricultural land use.	
SOILS2-005	Soils	Per Appendix B, (i) (1) (A), please provide tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.	
SOILS2-006	Soils	Per Appendix B, (i) (3), please provide a schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	
Water Resources			
WR2-01	Water Resources	Per Appendix B, (g) (14) (B), please reissue figure 3.12-1 Surface Waters and Hydrology with a map scale of 1:24,000.	
WR2-02	Water Resources	Per Appendix B, (g) (14) (B) (v), please provide a list and map of active groundwater wells within ½ mile of the proposed project, since one alternative for water supply is groundwater extraction. Ensure the map scale is 1:24,000.	

Data Request Identifier	Topic	Information Required To Make AFC Conform With Regulations	Applicant's Response
WR2-03	Water Resources	Per Appendix B, (g) (14) (C) (ii), please provide information on the physical and chemical characteristics of source and discharge water. Data should include both organic and inorganic constituents before and after treatment and should account for seasonal variation for source water. In addition, please provide data documentation.	
WR2-04	Water Resources	Per Appendix B, (g) (14) (C) (v) and (g) (14) (C) (vi), although the application does include correspondence with the Burney Water District documenting discussion of the ability to provide water, please provide a formal "letter of intent" or "will-serve letter" from the water purveyor (assumed to be the Burney Water District).	
WR2-05	Water Resources	Per Appendix B, (g) (14) (C) (viii), although the application does state that there is no wastewater infrastructure that serves the project site, please provide a permit for septic treatment of water discharge as the identified alternative.	
WR2-06	Water Resources	Per Appendix B, (g) (14) (D) (viii) and (g) (14) (D) (iv), please provide text, diagrams, and calculations regarding storm water control design.	
WR2-07	Water Resources	Per Appendix B, (g) (14) (E) (ii), since the water supply alternatives include groundwater extraction, please provide an estimation of aquifer drawdown of active groundwater wells within ½ mile of the proposed project based on modeling conducted by a professional geologist. The analysis should include the migration of any contaminants and changes in physical and chemical groundwater conditions.	
WR2-08	Water Resources	Per Appendix B, (g) (14) (iv), please provide an explanation why a "zero liquid discharge process" was not incorporated into the wastewater design for the project.	
WR2-09	Water Resources	Per Appendix B, (g) (14) (vii), please provide calculations that support a discussion of fresh water supply cumulative impacts.	
WR2-10	Water Resources	Per Appendix B, (i) (1) (A), please provide tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.	
WR2-11	Water Resources	Per Appendix B, (i) (1) (B), please provide tables that identify each agency with jurisdiction to issue applicable permits and approvals, or to enforce identified laws, regulations, standards, and adopted local, regional, state, and federal land use plans.	
WR2-12	Water Resources	Per Appendix B, (i) (2) please provide the name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	
WR2-13	Water Resources	Per Appendix B, (i) (3), please provide a schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	
WR2-14	Water Resources	Please include text in Section 3.12.1.3 of the Opt-In application describing why the requirements of Sections 13260 and 13376 of the CWC don't apply to the Fountain Wind project.	
WR2-15	Water Resources	Please clarify why construction and industrial wastewater discharge do not apply to this project per the statement in the Data Response column of the second (A) row in Section 14 of the Appendix B Opt-In Crosswalk Matrix.	
WR2-16	Water Resources	Please provide an updated version of Figure 3.12-1 depicting the current proposed locations of wind turbines, roads, and other pertinent features.	
WR2-17	Water Resources	Please include text in Section 3.12.1.3 of the Opt-In application describing how the requirements of the General Industrial NPDES permit do or do not apply to the Fountain Wind project. This discussion should include all constituents anticipated to be discharged from industrial activities	
WR2-18	Water Resources	Per the suggestion in the CVRWQCB Comment Letter, please provide a site map of all industrial facilities of the project.	
WR2-19	Water Resources	Please include text in Section 3.12.1.3 of the Opt-In application or the Executive Summary and Project Description that describes the type of discharges from the O & M facility and how the Shasta County OWTS program can adequately regulate it.	
WR2-20	Water Resources	Please include text in Section 3.12.1.3 that discusses the applicability of the Timberland Conversion Permit	
Wildfire			

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WILDFIRE2-01	Wildfire	<p>Please provide copies of the following references that are not readily available online (for many the online link does not work).</p> <ul style="list-style-type: none"> • Anderson, H. E., 1982. Aids to Determining Fuel Models for Estimating Fire Behavior. Available online at: https://www.fs.fed.us/rm/pubs_int/int_gtr122.pdf. • California Department of Forestry and Fire Protection (CAL FIRE), 2019a. Communities at Risk List [filtered to include only Shasta County]. Available online at: http://osfm.fire.ca.gov/fireplan/fireplanning_communities_at_risk?filter_field=county_name&filter_text=Shasta. Accessed May 23, 2019. • CAL FIRE and Shasta County Fire, 2018. Shasta-Trinity Unit 2018 Strategic Fire Plan. Available online at: http://cdfdata.fire.ca.gov/pub/fireplan/fpupload/fpppdf1624.pdf. May 10, 2018. • California Public Utilities Commission (CPUC), 2020. CPUC Fire Safety Rulemaking Background. Available online: https://www.cpuc.ca.gov/FireThreatMaps/ Accessed July 1, 2020. • CPUC, 2017a. Decision 17-12-024- Order Instituting Rulemaking to Develop and Adopt Fire Threat Maps and Fire-Safety Regulations. Rulemaking 15-05-006. Issued December 21, 2017. • Dupras, D., 1997. Geology of Eastern Shasta County. California Geological Survey. Map. Scale 1:100,000. • Milman, O., 2018. "Wildfire Smoke: Experts Warn of 'Serious Health Effects' Across Western US." The Guardian, August 2, 2018. Available online at: https://www.theguardian.com/world/2018/aug/02/wildfire-events-air-quality-health-issues-in-western-us. Accessed August 23, 2019. • National Association of State Foresters, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, National Park 	
WILDFIRE2-02	Wildfire	Provide a discussion on the potential for Project construction and operation to increase risks associated with wildfires to workers, including impacts of loss, injury or death from a wildfire or adverse effects due to inhalation of wildfire pollutants.	
WILDFIRE2-03	Wildfire	Provide a discussion on timing and verification of transmittal of data regarding tower locations to CALFIRE, and a discussion of whether any coordination would occur before or during fires with CALFIRE regarding aerial firefighting in the vicinity of the turbines.	
WILDFIRE2-04	Wildfire	Provide a discussion of how each of the LORS summarized in Section 3.16.1.3 applies specifically to the project.	
WILDFIRE2-05	Wildfire	Provide a discussion or listing of procedures to be added to MM 3.16-2a specifically designed to reduce the potential for ignition of wildfire by blasting activities.	
WILDFIRE2-06	Wildfire	Provide a description of the automatic fire extinguishing systems for the nacelle.	
WILDFIRE2-07	Wildfire	Provide information on timing of and of inspection activities that would occur in the event of an out-of-range notification and shut down of a turbine.	
WILDFIRE2-08	Wildfire	Provide a discussion of activities required to restart a turbine after a shutdown to ensure there is no future chance of fire or sparks.	
WILDFIRE2-09	Wildfire	Provide procedures that would occur in the event of a turbine/nacelle fire. What procedures would occur in the event the automatic fire suppression does not fully extinguish a fire?	
WILDFIRE2-10	Wildfire	Clarify whether this would include any of the understory vegetation, and if not how would this affect the potential for wildfire.	

Deficiency Letter, Attachment B Addendum

Data Request Identifier	Topic	Information Required To Make AFC Conform With Regulations	Applicant's Response
Alternatives			
ALT2-01	Alternatives	<p>1. Please provide a feasible alternative site for the development of a large wind energy system (outside of unincorporated Shasta County) that meets the basic project objectives, and include the following information:</p> <ul style="list-style-type: none"> a. A map illustrating the alternative site location; b. Number of wind turbines and approximate size of the turbines that could be constructed; c. Details on project components including access roads, substation/switching station, transmission line details (voltage, route, number of towers, etc.); d. How the site meets the project objectives; and e. Any other additional infrastructure and facilities that would be needed to support the development of a large wind energy system and its connection to the energy grid. 	
ALT2-02	Alternatives	<p>Please provide an alternative that considers the development of multiple small wind energy systems in Shasta County, consistent with Shasta County's Ordinance No. SCC 2022-04. This alternative should describe the additional infrastructure and facilities that would be needed to support the development of small wind energy systems in Shasta County that achieves the basic project objectives in lieu of one large wind energy project.</p>	
ALT2-03	Alternatives	<p>Please provide the following for the No Project Alternative scenarios:</p> <ul style="list-style-type: none"> a. An updated discussion of existing conditions that addresses County Ordinance No. SCC 2022-04 which prohibits large-scale wind generation development (e.g., the proposed project) and seeks to site small-scale wind generation (e.g., potential future projects); b. Existing activities or future anticipated activities in Shasta County to provide utility scale or small-scale renewable energy generation. For example, Hatchet Ridge Wind is an existing utility scale wind project that currently operates approximately one mile east of the proposed project and should be factored into the discussion of the No Project Alternative scenario to describe the area's existing conditions with respect to current renewable energy generation; and c. Reasonably foreseeable proposed projects or activities that will assist California in meeting the SB 100 renewable energy generation targets. 	
Land Use			
LU2-01	Land Use	<p>Please provide a updated information for the Cumulative Scenario that includes the following elements to support an adequate discussion of any potentially significant cumulative impacts that may be identified:</p> <ul style="list-style-type: none"> a. Local and regional planning projections for Shasta County; b. Reasonably foreseeable future development of small wind energy systems as a result of 2022 amendments to the Shasta County Code; c. An updated cumulative projects list that includes planned/proposed or permitted projects since August 2019; and d. Future applicant activities (i.e., Fuel Break Project and Expanded Internet Service Project) with an updated description of the activity location and size, estimated number and types of construction equipment, and anticipated schedule for construction and maintenance. 	
LU2-02	Land Use	<p>Please provide an updated figure that includes the following:</p> <ul style="list-style-type: none"> a. Current Shasta County General Plan Land Use and Zoning Designations (as amended) for the project site; b. The boundaries of the proposed Lease Hold Area; and c. The 2023 proposed project configuration and layout within the site boundaries that identifies the proposed location of the following: turbines, ground and overhead collector lines, access roads, temporary construction laydown areas, proposed operations and maintenance facility, proposed meteorological evaluation towers, storage sheds, temporary concrete batch plants, substation and switchyard, and relay microwave tower. 	

Data Request Identifier	Topic	Information Required To Make AFC Conform With Regulations	Applicant's Response
LU2-03	Land Use	For each specific land use and zoning designation traversed by the proposed project, please provide the applicable General Plan policies and zoning code section and Shasta County's consistency determination of each particular project component with each policy and zoning requirement, and justification for consistency.	
LU2-04	Land Use	Please describe the conditions that Shasta County would attach to this project, were it the permitting agency (but for the exclusive authority of the Energy Commission), in order to ensure the project's consistency with applicable LORS.	
LU2-05	Land Use	Please provide a list of current existing land uses (residential, recreational, commercial, industrial) within one mile of the project site boundaries. Please include a map illustrating the location of these land uses relative to the proposed project (turbines, ground and overhead collector lines, access roads, temporary construction laydown areas, proposed operations and maintenance facility, proposed meteorological evaluation towers, storage sheds, temporary concrete batch plants, substation and switchyard, and relay microwave tower).	
LU2-06	Land Use	Please provide a map illustrating the location of the 110-acre Prime Farmland relative to the proposed project (turbines, ground and overhead collector lines, access roads, temporary construction laydown areas, proposed operations and maintenance facility, proposed meteorological evaluation towers, storage sheds, temporary concrete batch plants, substation and switchyard, and relay microwave tower).	
LU2-07	Land Use	Describe the historic and current agricultural activities occurring at the 110-acre Prime Farmland site, and discuss the applicable crop type(s), irrigation systems, and any special cultivation practices.	
LU2-08	Land Use	Identify whether the 110-acre Prime Farmland site is subject to an Agricultural Land Conservation contract. If this land is under contract, identify the length of the contract, the time remaining under the current contract, and whether the contract status is designated as renewal or non-renewal.	
LU2-09	Land Use	Please provide a list of all parcels and their APNs within the current 2023 proposed project site boundary, and a figure that identifies the location of proposed project components relative to each parcel (turbines, ground and overhead collector lines, access roads, temporary construction laydown areas, proposed operations and maintenance facility, proposed meteorological evaluation towers, storage sheds, temporary concrete batch plants, substation and switchyard, and relay microwave tower).	
LU2-10	Land Use	Provide the terms of the Wind Energy Lease between the Applicant and property owner (Oxbow Timber I, LLC).	
LU2-11	Land Use	Discuss whether any parcel mergers would occur as part of the proposed project. Provide details on what parcels would be included in the merger, and what project components would be sited or staged on the merged parcels. Describe any communications that have occurred with Shasta County regarding parcel mergers, and any requirements identified by the County to approve a parcel merger.	
LU2-12	Land Use	Identify any recorded restrictions on the project site that preclude development, and identify which parcels these restrictions apply to.	
Socioeconomics			
SOC2-001	Socioeconomics	Please define the project vicinity and include an explanation for the boundaries of this area (i.e., define the study area).	
SOC2-002	Socioeconomics	Please provide discussion of demographic and community trends, including the following: a. Provide the low-income population percentage living in Shasta County and within the communities closest to the project site. b. Provide the minority population percentage living in Shasta County and within the communities closest to project site.	
SOC2-003	Socioeconomics	Please provide a discussion of economic base and fiscal resources in the project area.	
SOC2-004	Socioeconomics	Please provide a list of the applicable local agencies with taxing powers and their most recent and projected revenues.	

Data Request Identifier	Topic	Information Required To Make AFC Conform With Regulations	Applicant's Response
SOC2-005	Socioeconomics	Please provide information on the skilled workers by craft required for construction. Please include the specific job types and number of workers anticipated on average over the entire construction period, and during the peak construction phase.	
SOC2-006	Socioeconomics	Please provide information on the skilled workers by craft required for operation of the project. Please include the specific job types and number of workers.	
SOC2-007	Socioeconomics	Please state the portion of the construction and operation workforce which the applicant anticipates would be local (i.e., from Shasta County), and the expected nonlocal portion.	
SOC2-008	Socioeconomics	Please provide availability for each type of skilled worker in Shasta County, or where this labor force is anticipated to come from and the associated commute shed (i.e., exceeding a 2-hour commute shed) for Fountain Wind's non-local workers. Please include this information separately for both construction and operation.	
SOC2-009	Socioeconomics	Please provide information on the availability of each type of skilled worker in the areas where the labor force is expected to originate.	
SOC2-010	Socioeconomics	Please provide updated unemployment rates for Shasta County and the defined project vicinity	
SOC2-011	Socioeconomics	Please provide detailed information on the local accommodations available in surrounding areas (e.g., Burney, Fall River Mills, McArthur, and Redding) based on current information. This information can be provided in tabular format by location. In addition to the number of the hotels/motels in the area, please include trends (excluding 2020-2021 because of COVID impacts on hotel/motel accommodations) of the availability of these hotels/motels.	
SOC2-012	Socioeconomics	Some construction personnel may choose to utilize nearby Recreational Vehicle (RV) parking or camping options. Please include baseline information on available RV parking or camping in the study area analyzed for the proposed project.	
SOC2-013	Socioeconomics	Indicate if any project personnel/workers would reside on the project site in RVs or would camp onsite.	
SOC2-014	Socioeconomics	Please provide the response time goals and the capacities/ability to meet those public safety response goals for all local agencies providing services to the project pertaining to fire protection, law enforcement, and medical facilities. Please include current response times and other relevant metrics. This information can be provided in tabular format for all applicable agencies that would serve the proposed project.	
SOC2-015	Socioeconomics	Please discuss potential impacts to recreation in the vicinity of the project site (e.g., project personnel use of area resources such as campgrounds, etc.). Include explanation of the project vicinity boundaries (i.e., define the study area analyzed).	
SOC2-016	Socioeconomics	Please provide additional information and address each item outlined in the community access program indicated in the SCT Wind Project Community Access Memorandum. Does the Applicant intend "...[t]o allow members of the Moose Camp, Round Mountain, Montgomery Creek, and Burney communities the ability to access portions of SCT property for specific recreational or culturally important activities under a program that will be managed by wind farm staff" as stated in the memorandum on page 1?	
SOC2-017	Socioeconomics	Please provide the direct, indirect, and induced impacts of the proposed project and provide updated and/or correct numbers and assumptions (in Tables 1, 4, and 5 in the Economic Impact Study) of construction and operations workers.	
SOC2-018	Socioeconomics	Please provide an estimate of the total construction payroll and separate estimates of the total operation payroll for permanent and short-term (contract) operations employees.	
SOC2-019	Socioeconomics	Please provide an estimate of the capital cost (plant and equipment) of the project.	

Deficiency Letter, Attachment A - Data Adequacy Worksheet

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
Project Overview							
PO-01	Project Overview	Cal. Code Regs., tit. 20, § 1877; § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Source Documents/Sections identified in TN 248321: Appendix B Opt-in Application Crosswalk Matrix	No	Please see information requirement deficiencies noted in this column throughout Data Adequacy Worksheets.	
PO-02	Project Overview	Cal. Code Regs., tit. 20, § 1877; § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Source Documents/Sections identified in TN 248321: Appendix B Opt-in Application Crosswalk Matrix	No	Please see information requirement deficiencies noted in this column throughout Data Adequacy Worksheets.	
PO-03	Project Overview	Cal. Code Regs., tit. 20, § 1877; § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Source Documents/Sections identified in TN 248321: Appendix B Opt-in Application Crosswalk Matrix	No	Please see information requirement deficiencies noted in this column throughout Data Adequacy Worksheets.	
PO-04	Project Overview	Cal. Code Regs., tit. 20, § 1877; § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Source Documents/Sections identified in TN 248321: Appendix B Opt-in Application Crosswalk Matrix	Yes	N/A	
PO-05	Project Overview	Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply routes and facilities, water supply routes and facilities, pollution control systems, and other general characteristics.	TN 248322: Executive Summary and Project Description TN 248288-2: DEIR Description of Project and Alternatives	Yes	N/A	
PO-06	Project Overview	Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessor's parcel numbers.	TN 248322: Executive Summary and Project Description TN 248288-2: DEIR Description of Project and Alternatives TN 248331: Lease with Oxbow Holdings	Yes	N/A	
PO-07	Project Overview	Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	TN 248322: Executive Summary and Project Description TN 248329-6: LSAA Figure 1 Project Overview TN 248288-2: DEIR Description of Project and Alternatives	Yes	N/A	
PO-08	Project Overview	Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	TN 248288-2: DEIR Description of Project and Alternatives Figure 2-1 - 2-5	No	TN 248322: Executive Summary and Project Description lacks a full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction, for the project as currently proposed.	
PO-09	Project Overview	Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	TN 248296-9: Parcel Owners List 248296-10: Figure - Parcels within 1000 ft	Yes	N/A	
PO-10	Project Overview	Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	TN 248288-2: DEIR Description of Project and Alternatives Section 2.4.5.5: Construction Schedule and Workforce	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
PO-11	Project Overview	Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	TN 248331: Lease with Oxbow Holdings TN 248322: Executive Summary and Project Description	Yes	N/A	
PO-12	Project Overview	Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	TN 248322: Executive Summary and Project Description, pg. 7	Yes	N/A	
PO-13	Project Overview	Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	TN 248331: Lease with Oxbow Holdings	No	The legal relationship between the project owner and owner and operator of the proposed electric transmission facilities is not described. Please provide this description	
N/A	Project Overview	Appendix B (b) (1)	In a section entitled, "Generation Facility Description, Design, and Operation" provide the following information:	-----	-----	-----	
PO-14	Project Overview	Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), (or appropriate map scale agreed to by staff) along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	TN 248288-2: DEIR Description of Project and Alternatives, Figure 2-1 Project Location	No	Not to the scale of 1:24,000	
PO-15	Project Overview	Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities to establish the accuracy of the photo simulations required in Sections (a)(1)(D) and (g)(6)(F);	TN 248288-2: DEIR Description of Project and Alternatives, Figure 3-4a	No	No site elevation drawing was provided.	
PO-16	Project Overview	Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	TN 248288-2: DEIR Description of Project and Alternatives Section 2.4: Description of the Project	Yes	N/A	
PO-17	Project Overview	Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	TN 248288-2: DEIR Description of Project and Alternatives Section 2.3: Project Objectives thru Section 2.4.8.3 Hazardous Materials	Yes	N/A	
N/A	Project Overview	Appendix B (b) (2)	In a section entitled, "Transmission Lines Description, Design, and Operation" provide the following information:	-----	-----	-----	
PO-18	Project Overview	Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 (or appropriate map scale agreed to by staff) of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s);	TN 248297-2: CEQA Initial Study Figure 2	No	Not to the scale of 1:24,000 and no settled areas, parks, recreational areas, scenic areas are shown.	
PO-19	Project Overview	Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.		No	The project proposes a short extension of the existing 230 kV transmission lines that will be routed to the switching station. The project also proposes 34.5 kV overhead lines. A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction need to be provided.	
PO-20	Project Overview	Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators.	TN 248288-2: DEIR Description of Project and Alternatives Section 2.4.1: Wind Generators thru Section 2.4.6: Operation and Maintenance	Yes	N/A	
PO-21	Project Overview	Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints; and	TN 248288-2: DEIR Description of Project and Alternatives Section 2.3: Project Objectives	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
PO-22	Project Overview	Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	TN 248322: Executive Summary and Project Description 4.4.6 Decommissioning and Site Restoration TN 248288-2: DEIR Description of Project and Alternatives Section 2.4.7: Decommissioning and Site Restoration	Yes	N/A	
Mandatory Opt-In Requirements							
MOR-001	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 20, § 1877(b); Pub. Resources Code, 25545(\$	Explanation of how the facility meets one or more of the definitions of "facility":	TN 248322: Pg. # 1 Section 1.1 of Executive Summary and Project Description TN 248321: Crosswalk Matrix pg. 43 (b)	Yes	N/A	
MOR-002	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545(b)(1)	A solar photovoltaic or terrestrial wind electrical generating powerplant with generating capacity of 50MW or more and any facilities appurtenant thereto.	TN 248322: Pg. # 1 Section 1.1 of Executive Summary and Project Description TN 248321: Crosswalk Matrix pg. 43 (b)	Yes	N/A	
MOR-003	Mandatory Opt-in Requirements	Pub. Resources Code, §	An energy storage system as defined in Section 2835 of the Pub. Util. Code that can store 200 MWh or more of electrical energy.	N/A	N/A		
MOR-004	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545(b)(3)	A stationary electrical generating powerplant using any source of thermal energy, with a generating capacity of 50 MW or more, excluding any powerplant that burns, uses, or relies on fossil or nuclear fuels.	N/A	N/A		
MOR-005	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545(b)(4); Cal. Code Regs., tit. 20, § 1877(b)	A discretionary project that applicant has certified that a capital investment of at least \$250,000,000 will be made over a period of 5 years. Provide what the facility would manufacture, produce, or assemble, and how the facility's products or services would be used in the manufacture, production, or assembly of the following: a. Energy storage systems or component manufacturing, b. Wind systems or component manufacturing, c. Solar photovoltaic energy systems or component manufacturing, or d. Specialized products, components, or systems that are integral to renewable energy or energy storage technologies.	N/A	N/A		
MOR-006	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545(b)(5)	An electric transmission line carrying electric power from a facility described in paragraph (b)(1), (2), or (3) that is located in the state to a point of junction with any interconnected electrical transmission system.	N/A	N/A		
MOR-007	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 20, § 1877(c)	Certifications required by Public Resources Code sections 25545.3.3 and 25545.3.5.	TN 248291-2: AB 205 Labor Certification TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-008	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.3	Certification that the applicant will meet the requirements of a covered project and the commission shall make the requirements a condition of certification. Include the applicant's certification that either of the following is true:	TN 248322: Pg. # 1 Section 1.1 of Executive Summary and Project Description TN 248291-2: AB 205 Labor Certification TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-009	Mandatory Opt-in Requirements	Pub. Resources Code, §	The entirety of the construction of the covered project is a public work.	N/A	N/A		

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
MOR-010	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.3(b)	The construction of the covered project is not in its entirety a public work for which prevailing wages must be paid, but all construction workers employed on the project will be paid at least the general prevailing rate of per diem wages for the type of work and geographic area, pursuant the Labor Code sections 1773 and 1773.9, except that apprentices registered in programs approved by the Chief of the Division of Apprenticeship Standards may be paid at least the applicable apprentice prevailing rate. For portions of the project that are not a public work, all of the following apply:	N/A	N/A		
MOR-011	Mandatory Opt-in Requirements	Pub. Resources Code, §	Applicant ensures that the prevailing wage requirement is included in all contracts for the performance of all construction work.	TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-012	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.3(b)(2)	Contractors and subcontractors must pay all construction workers employed in the construction of the project at least the general prevailing rate of per diem wages, except that apprentices registered in programs approved by the Chief of the Division of Apprenticeship Standards may be paid at least the applicable apprentice prevailing rate.	TN 248291-2: AB 205 Labor Certification TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-013	Mandatory Opt-in Requirements	Pub. Resources Code, §	Contractors and subcontractors performing construction work on the project shall employ apprentices at no less than the ratio required in the Labor Code section 1777.5.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-014	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.3(b)(4)	Except as provided in (b)(6), all contractors and subcontractors performing construction work shall maintain and verify payroll records pursuant the Labor Code section 1776, make those records available for inspection and copying, and furnish those payroll records to the Labor Commissioner pursuant to the Labor Code section 1771.4.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-015	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.3(b)(5)	Except as provided in (b)(6), the pay prevailing wage provisions listed within this section may be enforced by the Labor Commissioner through the issuance of a civil wage and penalty assessment pursuant to the Labor Code sections 1741, 1742, 1771.2, and 1742.1.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-016	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.3(b)(6)	Paragraphs (b)(4) and (b)(5) do not apply if all contractors and subcontractors performing construction work on the project are subject to a project labor agreement. The project labor agreement shall include, but not be limited to, the following:	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-017	Mandatory Opt-in Requirements	Pub. Resources Code, §	Provisions requiring compliance with the skilled and trained workforce requirement and for enforcement of that obligation through an arbitration procedure.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-018	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(e)(2)	Targeted hiring provisions, including a targeted hiring plan, on a craft-by-craft basis to address job access for local, disadvantaged, or underrepresented workers, as defined by a local agency.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-019	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(e)(3)	Apprenticeship utilization provisions that commit all parties to increasing the share of work performed by state-registered apprentices above the state-mandated minimum ratio required in the Labor Code section 1777.5.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-020	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(e)(4)	Apprenticeship utilization provisions that commit all parties to hiring and retaining a certain percentage of state-registered apprentices that have completed the Multi-Craft Core pre-apprenticeship training curriculum referenced in the Unemployment Insurance Code section 14005(t).	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-021	Mandatory Opt-in Requirements	Pub. Resources Code, §	Certify that a skilled and trained workforce will be used to perform all construction work on the project and all of the following apply:	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-022	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(a)	Require in all contracts for the performance of work that every contractor and subcontractor at every tier will individually use a skilled and trained workforce to construct the project.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
MOR-023	Mandatory Opt-in Requirements	Pub. Resources Code, §	Every contractor and subcontractor must use a skilled and trained workforce to construct the project.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-024	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(c)	Except as provided in (e), contractors and subcontractors that fail to use a skilled and trained workforce shall be subject to the penalties provided in the Public Contract Code section 2603.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-025	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(d)	Except as provided in (e), the applicant must retain records, including copies of monthly reports, that demonstrate compliance with the Public Contract Code section 2600 while the project or contract is being performed and for three years after completion of the project or contract. The applicant must submit these records immediately upon request of the commission. When submitted to the commission, these records shall be a public record under the California Public Records Act and shall be open to public inspection.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-026	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(e)	(c) and (d) do not apply if all contractors and subcontractors performing work on the project are subject to a project labor agreement. The project labor agreement shall also include, but not be limited to, all of the following:	TN 248291-2: AB 205 Labor Certification TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-027	Mandatory Opt-in Requirements	Pub. Resources Code, §	Provisions requiring compliance with the skilled and trained workforce requirement and for enforcement of that obligation through an arbitration procedure.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-028	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(e)(2)	Targeted hiring provisions, including a targeted hiring plan, on a craft-by-craft basis to address job access for local, disadvantaged, or underrepresented workers, as defined by a local agency.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-029	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(e)(3)	Apprenticeship utilization provisions that commit all parties to increasing the share of work performed by state-registered apprentices above the state-mandated minimum ratio required in the Labor Code section 1777.5.	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-030	Mandatory Opt-in Requirements	Pub. Resources Code, § 25545.3.5(e)(4)	Apprenticeship utilization provisions that commit all parties to hiring and retaining a certain percentage of state-registered apprentices that have completed the Multi-Craft Core pre-apprenticeship training curriculum referenced in the Unemployment Insurance Code section 14005(t).	TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-031	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 2, § 1877(d)	A discussion of whether the applicant has submitted any local, state, or federal permit applications. For any required permit that has not yet been submitted to the relevant state agency, include a plan for submitting the application and any discussions that have occurred with the state agency with authority over the project.	TN 248322: Executive Summary and Project Description; Section 5 (Project Permits), Table 3 (List of Potential Permits and Status), pgs. 16 to 17	No	Permit Schedule. The "List of Potential Permits and Status" provided in Table 3 does not identify the steps involved or the schedule for obtaining the permits that are outside the authority of the commission. Please provide the following: 1. Provide the schedule for obtaining permits.	
MOR-032	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 2, § 1877(e)	Identify whether the project is, on a prohibited site as identified in Public Resources Code section 25527 or on a site designated by the California Coastal Commission under Public Resources Code section 30413(b) or on a site designated by the San Francisco Bay Conservation and Development Commission under Government Code section 66645(b). Include documentation of the approval of the public agency having ownership or control of the land.	TN 248321: Crosswalk Matrix pg. 43 (e)	Yes	N/A	

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MOR-033	Mandatory Opt-in Requirements	Pub. Resources Code, § 25527	The following areas of the state shall not be approved as a site for a facility, unless the commission finds that such use is not inconsistent with the primary uses of such lands and that there will be no substantial adverse environmental effects and the approval of any public agency having ownership or control of such lands is obtained: 1. State, regional, county and city parks; wilderness, scenic or natural reserves; areas for wildlife protection, recreation, historic preservation; or natural preservation areas in existence on the effective date of this division. 2. Estuaries in an essentially natural and undeveloped state. In considering applications for certification, the commission shall give the greatest consideration to the need for protecting areas of critical environmental concern, including, but not limited to, unique and irreplaceable scientific, scenic, and educational wildlife habitats; unique historical, archaeological, and cultural sites; lands of hazardous concern; and areas under consideration by the state or the United States for wilderness, or wildlife and game reserves.	TN 248321: Crosswalk Matrix pg. 43 (e)	Yes	N/A	
MOR-034	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 2, § 1877(f)	Identify preliminary information demonstrating overall net positive economic benefit to the local government that would have had permitting authority over the site and related facility, consistent with Public Resources Code section 25545.9. Staff must provide the submitted information to the local government for review and comment.	TN 248292-2: Economic and Public Revenue Impact Study; pg. 4 TN 248322: Pg. X and Xi Section: 1.3 & 1.3.1.1 of Executive Summary and Project Description TN 248292-3: Local Economics Memo TN 248321: Crosswalk Matrix pg. 43 (e)	No	See item <i>Cal. Code Regs., tit. 20 § 1879(a)(7); Pub. Resources Code § 25545.9</i> , below.	
MOR-035	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 20 § 1879(a)(7); Pub. Resources Code § 25545.9	...economic benefits may include, but are not limited to the following: (a) Employment growth. (b) Housing development. (c) Infrastructure and environmental improvements. (d) Assistance to public schools and education. (e) Assistance to public safety agencies and departments. (f) Property taxes and sales and use tax revenues.	TN 248292-2: Economic and Public Revenue Impact Study; pg. 4 TN 248322: Pg. X and Xi Section: 1.3 & 1.3.1.1 of Executive Summary and Project Description TN 248292-3: Local Economics Memo	No	Economic Characteristics. Page 4 of the Economic and Public Revenue Impact Study (TN# 248292-2) states, <i>60M in property tax revenue is estimated to be generated over the lifetime of the Project, accruing to Shasta County, Cities, Special Districts, Redevelopment Property Tax Agencies, the Educational Revenue Augmentation Fund, and Schools. Under current tax allocation factors, of this total, about \$7.5 million would accrue to the County, \$4 million to Cities, \$3.6M to Special Districts, \$8M to Redevelopment Property Tax, \$9M to the Educational Revenue Augmentation Fund, and \$28 million to Schools.</i> However, there are no further details provided in this study on the economic base, fiscal resources, and the applicable local agencies with taxing powers and their most recent and projected revenues. Please provide the following: 1. Provide a discussion of economic base, fiscal resources. Please provide a list of the applicable local agencies with taxing powers and their most recent and projected revenues.	
MOR-036	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 2, § 1877(g)	Discussion of applicant's plan or strategy, including a timeline for execution, to obtain legally binding and enforceable agreement(s) with, or that benefit, a coalition of one or more community-based organizations.	TN 248296-2: Community Benefits Program TN 248321: Crosswalk Matrix pg. 43 (g)	Yes	N/A	
MOR-037	Mandatory Opt-in Requirements	Pub. Resources Code § 25545.10(a)	... such as workforce development and training organizations, labor unions, social justice advocates, local governmental entities, California Native American tribes, or other organizations that represent community interests, where there is mutual benefit to the parties to the agreement. The topics and specific terms in the community benefits agreements may vary and may include workforce development, job quality, and job access provisions that include, but are not limited to, any of the following:	TN 248296-2: Community Benefits Program TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-038	Mandatory Opt-in Requirements	Pub. Resources Code § 25545.10(a)(1)	Terms of employment, such as wages and benefits, employment status, workplace health and safety, scheduling, and career advancement opportunities.	TN 248296-2: Community Benefits Program TN 248291-2: AB 205 Labor Certification	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
MOR-039	Mandatory Opt-in Requirements	Pub. Resources Code § 25545.10(a)(2)	Worker recruitment, screening, and hiring strategies and practices, targeted hiring planning and execution, investment in workforce training and education, and worker voice and representation in decision making affecting employment and training.	TN 248296-2: Community Benefits Program TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-040	Mandatory Opt-in Requirements	Pub. Resources Code § 25545.10(a)(3)	Establishing a high road training partnership, as defined in the Unemployment Insurance Code section 14005.	TN 248296-2: Community Benefits Program TN 248291-2: AB 205 Labor Certification	Yes	N/A	
MOR-041	Mandatory Opt-in Requirements	Pub. Resources Code § 25545.10(b)	Funding for or providing specific community improvements or amenities such as park and playground equipment, urban greening, enhanced safety crossings, paving roads and bike paths, and annual contributions to a nonprofit or community-based organization that awards grants to organizations delivering community-based services and amenities.	TN 248296-2: Community Benefits Program, Pg. 17- 18, SCT Wind Project Community Access Memorandum TN 248322: Pgs. ix, x Section: 1.3 of Executive Summary and Project Description	No	The Shasta County Timberlands (SCT) Wind Project Community Access Memorandum indicates limited public access to members of the Moose Camp, Round Mountain, Montgomery Creek, and Burney communities for specific recreational or culturally important activities, including hunting, that will be managed by wind farm staff. Please provide the following: 1. Provide additional information and address each item outlined in the community access program indicated in the SCT Wind Project Community Access Memorandum. Does the Applicant intend "...[t]o allow members of the Moose Camp, Round Mountain, Montgomery Creek, and Burney communities the ability to access portions of SCT property for specific recreational or culturally important activities under a program that will be managed by wind farm staff" as stated in the memorandum on page 1?	
MOR-042	Mandatory Opt-in Requirements	Pub. Resources	The topics and specific terms in agreements with California Native American tribes may include, but not be limited to, cultural preservation and revitalization programs, joint management and stewardship agreements, open-space preservation agreements, repatriation and reparations agreements, and other compensatory mitigation programs.	TN 248296-2: Community Benefits Program	Yes	N/A	
MOR-043	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 20, § 1879(a)(5)	Identify the public agencies that received notice of the opt-in application.	TN 248322: Pg. v Section: 1.2.5 of Executive Summary and Project Description	Yes	N/A	
MOR-044	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 20, § 1877(h)	A discussion of whether the project meets the requirements of Public Resources Code sections 21183 and 21183.6.	TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-045	Mandatory Opt-in Requirements	Pub. Resources Code § 21183(b)	The project creates high-wage, highly skilled jobs that pay prevailing wages and living wages, provides construction jobs and permanent jobs for Californians, helps reduce unemployment, and promotes apprenticeship training.	TN 248321: Crosswalk Matrix pg. 15 (g1), pg. 16 (A). TN 248292-2: Economics Memo TN 248292-3: Local Economics Memo	Yes	N/A	
MOR-046	Mandatory Opt-in Requirements	Pub. Resources Code § 21183(c)	For a project described in Public Resources Code Section 21180(b)(1), (2), and (3), including a wind or solar energy project or a project that manufactures products, equipment, or components used for renewable energy generation, energy efficiency, or to produce clean alternative fuel vehicles, the project does not result in any net additional emission of greenhouse gases, including greenhouse gas emissions from employee transportation. A project is deemed to meet the requirements of this paragraph if the applicant demonstrates compliance with Public Resources Code section 21183.6.	TN 248288-12: Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions TN 248291-4: Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-047	Mandatory Opt-in Requirements	Pub. Resources Code § 21183(d)	Demonstrates compliance with the requirements of recycling commercial solid waste and organic solid waste as required under Public Resources Code sections 42649 and 42649.8.	TN 248321: Crosswalk Matrix pg. 44 (h) TN 248322: Pg. 7 Section: 4.3.2 of Executive Summary and Project Description TN 248288-13: DEIR Hazards and Hazardous Materials	Yes	N/A	

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MOR-048	Mandatory Opt-in Requirements	Pub. Resources Code § 21183(e)	Applicant entered into a binding and enforceable agreement that all mitigation measures required to certify the project under this chapter shall be conditions of approval of the project, and those conditions will be fully enforceable by the lead agency or another agency designated by the lead agency. In the case of environmental mitigation measures, the applicant agrees, that those measures will be monitored and enforced by the lead agency for the life of the obligation.	TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-049	Mandatory Opt-in Requirements	Pub. Resources Code § 21183(f)	Applicant agrees to pay the costs of the trial court and the court of appeal in hearing and deciding any case challenging a lead agency's action on a certified project under this division...	TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-050	Mandatory Opt-in Requirements	Pub. Resources Code §	Applicant agrees to pay the costs of preparing the record of proceedings for the project concurrent with review and consideration of the project under this division...	TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-051	Mandatory Opt-in Requirements	Pub. Resources Code § 21183(h)	For a project for which environmental review has commenced, the applicant demonstrates that the record of proceedings is being prepared in accordance with Public Resources section 21186.	TN 248321: Crosswalk Matrix pg. 44 (h)	Yes	N/A	
MOR-052	Mandatory Opt-in Requirements	Pub. Resources Code § 21183.6(a)	The quantification and mitigation of the greenhouse gas emission impacts of a project described in 211880(b)(1), (2), or (3), including a wind or solar energy project or a project that manufactures products, equipment, or components used for renewable energy generation, energy efficiency, or to produce clean alternative fuel vehicles must be as follows:	248288-12: Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions TN 248291-4: Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions	Yes	N/A	
MOR-053	Mandatory Opt-in Requirements	Pub. Resources Code § 21183.6(a)(1)	The environmental baseline for greenhouse gas emissions must be established based upon the physical environmental conditions in the vicinity of the project site at the time the application is submitted.	TN 248288-12: Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions TN 248291-4: Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions	Yes	N/A	

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MOR-054	Mandatory Opt-in Requirements	Pub. Resources Code § 21183.6(a)(2)	Demonstrate that the mitigation of the impacts resulting from the emissions of greenhouse gases are achieved in the following priority: 1. Direct emissions reductions from the project that also reduce emissions of criteria air pollutants or toxic air contaminants through implementation of project features, project design, or other measures, including, but not limited to, energy efficiency, installation of renewable energy electricity generation, and reductions in vehicle miles traveled. 2. The remaining unmitigated impacts shall be mitigated by direct emissions reductions that also reduce emissions of criteria air pollutants or toxic air contaminants within the same air pollution control district or air quality management district in which the project is located. 3. The remaining unmitigated impacts shall be mitigated through the use of offsets that originate within the same air pollution control district or air quality management district in which the project is located. The offsets shall be undertaken in a manner consistent with the Health and Safety Code section 38500, including, but not limited to, the requirement that the offsets be real, permanent, quantifiable, verifiable, and enforceable, and shall be undertaken from sources in the community in which the project is located or in adjacent communities. 4. The remaining unmitigated impacts shall be mitigated through the use of offsets that originate from sources that provide a specific, quantifiable, and direct environmental and public health benefit to the region in which the project is located.	TN 48288-5: Shasta County DEIR, Section 3.3 Air Quality TN 248288-12: Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions TN 248291-4: Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions	Yes	N/A	
MOR-055	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 20, § 1879(a)(3)	Demonstrate the potential for restoring the site as necessary to protect the environment if the Energy Commission denies approval of the application.	TN 248322: Pg. 13 Section: 4.4.6 of Executive Summary and Project Description	Yes	N/A	
MOR-056	Mandatory Opt-in Requirements	Cal. Code Regs., tit. 20 § 1879(a)(4)	Demonstrate the public benefits from the project including economic benefits, environmental benefits, and electricity reliability benefits.	TN 248322: Pg. ix Section: 1.3 4.4.6 of Executive Summary and Project Description TN 248292-2: Economics Memo TN 248292-3: Local Economics Memo TN 248296-2: Community Benefits Program	Yes	N/A	
Alternatives							
ALT-01	Alternatives	Appendix B (b) (1) (D)	A description of how the site and related facilities were selected, and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	TN 248288: DEIR Description of Project and Alternatives; pages 2-1 to 2-40	No	Please discuss how the project location was selected as the proposed site, and what factors were used to screen alternatives (i.e., site suitability, location of sensitive resources, jurisdictional boundaries, etc.) The 2020 DEIR does not disclose the process used to identify and select the project location as the proposed site for analysis. This site selection criteria is necessary to screen the alternatives for site suitability.	

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ALT-02	Alternatives	Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	TN 248288: DEIR Description of Project and Alternatives; Sections 2.3 and 2.5; pages 2-6, 2-28 to 2-30 TN 248322: Executive Summary and Project Description; Section 1.3.1.3; page xii NOT DOCKETED: Fountain Wind Project Draft EIR Chapter 1 (Introduction); pages 1-1 to 1-8 File was obtained from the following site: https://www.shastacounty.gov/planning/page/draft-eir-fountain-wind-project	No	Please explain the purpose or need for each of the 9 project objectives. CEQA Guidelines Section 15126.6(a) requires that the alternatives evaluation discuss a reasonable range of alternatives that feasibly attain most of the basic objectives. The 2020 DEIR Project Description (Section 2.3) provides a wide range of 9 project objectives, but does not explain how or why these objectives are essential to the project. CEQA Guidelines Section 15124(b) requires that the statement of objectives include the underlying purpose of the project, which will facilitate the development of a reasonable range of alternatives. Please include the following details in the Description of Project/Alternatives: how and why the proposed site was selected, how capacity and generation targets were identified, and why job creation and revenue is a basic objective of the project.	
ALT-03	Alternatives	Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in (f)(1).	TN 248288: DEIR Comparison of Alternatives; Section 4.2; page 4-2 to 4-7	No	Please include the No Project Alternative in the Comparative Analysis of Alternatives. CEQA Guidelines Section 15126.6(e)(2) explains that the No Project Alternative must discuss two scenarios: (1) the existing conditions at the time that the NOP is published, and (2) what would be reasonably expected to occur in the foreseeable future if the project were not approved, based on current plans and consistent with available infrastructure and community services. Note that since the application was recently filed with the Energy Commission and a new CEQA environmental review process will be conducted for the proposed project, the previous date of NOP publication cannot be used for baseline conditions (for example, there are new site development restrictions by County ordinance). Therefore, the updated baseline condition of the proposed project site must be considered in the development of the No Project alternative scenarios. The 2020 DEIR Section 4.2 does not provide a full analysis of the No Project Alternative. It is inadequate to state that there are no impacts because there is no project without providing a resource specific discussion of the activities that would occur in the foreseeable future. The Comparison of Alternatives analysis should include the No Project Alternative in its analysis of each alternative for each resource area.	
Air Quality							
AIR-001	Air Quality	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions (TN 248288-12); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291-4)	No	Background: Construction and Operational Emissions and Assumptions - The construction and operational emission estimates and assumptions provided in the DEIR were based on the first revision to the original project proposal from 2019 (published by Shasta County in July 2020). The current proposal would, among other things, reduce the number of wind turbines being constructed from 72 to 48, decrease the permanent disturbance area from 180 acres to 120 acres, reduce the vehicle and equipment miles traveled on onsite unpaved roads and access roads, reduce the number of turbine deliveries from the port, and other proposed changes that could reduce or change the construction and operational related emissions. Request: Construction and Operational Emissions and Assumptions - Please update the construction and operational related emission estimates to reflect the emissions that would be generated from the currently proposed project. Please provide a detailed construction schedule that explains the activities that would occur during each phase of construction, including a description of how long construction would occur at each wind turbine tower pad, whether the turbines and pads would be installed one at a time or in groups, and whether construction activities would be occurring continuously throughout the entirety of the project site or if construction activities would move throughout the site as completion of the installation of the turbines and pads are completed. This will help staff identify when and where construction related impacts are occurring and for how long. Please provide the locations and distances of sensitive receptors with respect to these activities. Please provide a detailed discussion on all assumptions used to generate the updated construction and operational emission estimates. Please update all aspects of DEIR Appendix B Air Quality and Greenhouse Gas Emissions as necessary based on the revised project description. Please provide the Excel spreadsheets with live, embedded calculations so staff can verify the emission estimates and assumptions. Background: Emergency Generator - DEIR page 3.3-23 explains that a 268 horsepower (hp) emergency generator would be used. Request: Emergency Generator - Please provide information on the engine manufacturer, including the manufacturer specification sheets and emissions data. Please provide a description or figure explaining where the engine would be located. Please provide the distances of sensitive receptors to the emergency engine location.	

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AIR-002	Air Quality	Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions (TN 248288-12); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291-4)	No	Background: Emergency Generator - The project would utilize a 268 horsepower (hp) emergency generator that would operate for testing and maintenance purposes. The emergency generator would require a permit to operate (PTO) from the Shasta County AQMD. Energy Commission staff will need to incorporate portions of the Shasta County AQMD engineering evaluation and PTO into its EIR. Request: Emergency Generator - Please provide a completeness determination from the Shasta County AQMD confirming that the district has everything it needs to complete its review of this project and provide an engineering evaluation and permit to operate.	
AIR-003	Air Quality	Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	N/A	Yes	N/A	
AIR-004	Air Quality	Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291-4)	Yes	N/A	
AIR-005	Air Quality	Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	N/A	Yes	N/A	
AIR-006	Air Quality	Appendix B (g) (8) (E)	The emission rates of criteria pollutants and greenhouse gases (CO2, CH4, N2O, and SF6) from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all on-site secondary emission sources.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions (TN 248288-12); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291-4)	Yes	N/A	
AIR-007	Air Quality	Appendix B (g) (8) (F)(i)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	N/A	Yes	N/A	
AIR-008	Air Quality	Appendix B (g) (8) (F)(ii)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the commercial operations date, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests.	N/A	Yes	N/A	
AIR-009	Air Quality	Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5)	Yes	N/A	
AIR-010	Air Quality	Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Not included	No	If it's determined that an air quality modeling analysis is required under Appendix B (g)(8)(I)(i) or Appendix B (g)(8)(I)(ii) below, then please provide the meteorological data approved by the California Air Resources Board or the local air pollution control district.	

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AIR-011	Air Quality	Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995)), which is incorporated by reference in its entirety.	N/A	Yes	N/A	
AIR-012	Air Quality	Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Not included	No	If it's determined that an air quality modeling analysis is required under Appendix B (g)(8)(I)(i) or Appendix B (g)(8)(I)(ii) below, then please provide the meteorological data with the information required under Appendix B (g)(8)(H)(ii).	
N/A	Air Quality	Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of:	-----	-----	-----	
AIR-013	Air Quality	Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct criteria pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM10) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NOx), sulfur dioxide (SO2), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM10) and particulate matter less than 2.5 microns in diameter (PM2.5) from construction-related equipment;	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291- 4)	No	Provide the air quality modeling analysis to determine construction related impacts consistent with the revised construction emission estimates and assumptions as requested under Appendix B (g)(8)(A) requirements above. Otherwise, provide a detailed justification of why such modeling isn't required for this project based on the revised construction emission estimates and assumptions as requested under Appendix B (g)(8)(A) requirements above.	
AIR-014	Air Quality	Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct criteria pollutant (NOx, SO2, CO, PM10, and PM2.5) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions;	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291- 4)	No	Provide the air quality modeling analysis for the readiness testing and maintenance of the 268 hp emergency generator. Otherwise, provide a detailed justification of why such modeling isn't required for this project. Including a description of the engine location on the site, the distance to sensitive receptors, etc.	
AIR-015	Air Quality	Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a 6-mile radius that have received construction permits but are not yet operational or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard; and	N/A	Yes	N/A	
AIR-016	Air Quality	Appendix B (g) (8) (I) (iv)	An air dispersion modeling analysis of the impacts of the initial commissioning phase emissions on state and federal ambient air quality standards for NOX, SO2, CO, PM10, and PM2.5.	N/A	Yes	N/A	
AIR-017	Air Quality		If an emission offset strategy is proposed to mitigate the project's impacts under (g)(1), provide:		N/A		
AIR-018	Air Quality	Appendix B (g) (8) (J) (i)	The quantity of offsets or emission reductions that are needed to satisfy air permitting requirements of local permitting agencies (such as the air district), state and federal oversight air agencies, and the California Energy Commission. Identify by criteria air pollutant, and if appropriate, greenhouse gas; and	N/A	Yes	N/A	
AIR-019	Air Quality	Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions;	N/A	Yes	N/A	
AIR-020	Air Quality	Appendix B (g) (8) (K)	A detailed description of the mitigation, if any, which an applicant may propose, for all projects impacts from criteria pollutants that currently exceed state or federal ambient air quality standards but are not subject to offset requirements under the district's new source review rule.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions (TN 248288-12); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291-4)	Yes	N/A	

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AIR-021	Air Quality	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions (TN 248288-12)	No	Please provide the tables and information required by Appendix B (i)(1)(A) related to air quality.	
AIR-022	Air Quality	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions (TN 248288-12)	No	Please provide the information required by Appendix B (i)(1)(B), including the contact information to the permit engineer from the Shasta County AQMD assigned to this project.	
AIR-023	Air Quality	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and also provide the name of the official who will serve as a contact person for Commission staff.		Yes	N/A	
AIR-024	Air Quality	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	Please provide a schedule indicating when the necessary permits from the Shasta County AQMD will be obtained.	
Biological Resources							
BIO-001	Biological Resources	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	DEIR Biological Resources TN # 248288-6 Pages 3.4-9 to 3.4-14 (Table 3.4-3) Pages 3.4-38 to 3.4-39 Pages 3.4-59-3.4-59 Pages 3.4-45-3.4-48 (California Spotted Owl) TN # 24318 (Fountain Site Characteristic Study) Pages 15-21, 29-31, 38-39, 42-45, 48-50, and 55-59.	No	Topic: Table 3.4-3 (Special-Status Wildlife Species with Potential to Occur Within the Project Site and supporting text must include a discussion of all sensitive gastropods, which may be subject to direct and/or indirect effects. Some of these species include canary dusksnail (<i>Colligyrus convexus</i>), nugget pebblesnail (<i>Fluminicola seminalis</i>), western ridged mussel (<i>Gonidea angulata</i>), Oregon shoulderband (<i>Helminthoglypta hertleini</i>), scalloped juga (<i>Juga occata</i>), kneecap lanx (<i>Lanx patelloides</i>), western pearlshell (<i>Margaritifera falcata</i>), Klamath sideband (<i>Monadenia churchi</i>), Wintu sideband (<i>Monadenia troglodytes wintu</i>), Shasta chaparral (<i>Trilobopsis roperi</i>). In addition, the DEIR must minimally include sensitive species as identified during CEC staff's independent nine-quad topographic quadrangle search (a standard CNDDDB search criterion). This query yielded 2 amphibian species, 11 bird species (2 of the 9 were mentioned in text), 10 fish species, (5 of 10 mentioned in text), 16 invertebrate species, and 3 mammal species (mentioned in text but not listed in Table 3.4-3). While staff concurs that some of these species would not occur because of their proximity to the project, they should be addressed and dismissed from analysis if appropriate. See table below for a summary of some of the species which must be addressed. INSERT SPECIES LIST 1 These species have state designations that range from S1- Critically Imperiled to S2 – Imperiled and should be evaluated in the CEQA process. In addition, please provide a discussion of direct, indirect, and operational impacts to the above- mentioned species, as well as provide any necessary mitigation measures to reduce project- related impacts and discuss anticipated effectiveness of the measures. Request for Information: Please provide any reports or background data regarding the potential for above-mentioned special-status species to occur and identify any protective measures that would be proposed.	
BIO-002	Biological Resources		...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.		No	Topic: Table 3.4-3 (Special-Status Wildlife Species with Potential to Occur Within the Project Site) lists the Northern Spotted Owl (<i>Strix occidentalis caurina</i>) as having no potential to occur in the project area despite numerous positive location data on the species as verified via staff's independent data searches (CNDDDB, etc). See Appendix B (g) (13) (A) (v) below for additional information on Northern spotted owl. In addition, the EIR does not include any direct, indirect, or operational impacts to this species, nor provide mitigation measures to reduce project related impacts. Measures should include preconstruction surveys. Further, Designated Critical Habitat for Northern Spotted Owl is located approximately 1.3 miles north of the project area and was not evaluated in the DEIR or FEIR. Request for Information: Please provide any reports or background data regarding the potential for these species to occur and identify any protective measures that would be proposed. Please provide maps that show Critical Habitat for this species.	

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BIO-003	Biological Resources		...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.		No	<p>Topic: Table 3.4-3 (Special-Status Wildlife Species with Potential to Occur Within the Project Site) does not include ringtail (<i>Bassariscus astutus</i>) as occurring in the project area. However, this species is known from the region, suitable habitat is present, and it is known from the Shasta Trinity National Forest. In addition, the EIR does not include any direct, indirect, or operational impacts to this species nor does it provide mitigation measures to reduce project related impacts.</p> <p>Request for Information: Please provide any reports or background data regarding the potential for these species to occur and identify any protective measures that would be proposed.</p>	
BIO-004	Biological Resources		...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.		No	<p>Topic: 3.4.3.2 Direct and Indirect Effects of the Project, Impact 3.4-1 Construction of the Project could, unless mitigated, cause a significant impact to special-status plant species. The document does not adequately evaluate several sensitive plant species that have the potential to occur in the project area (See Appendix B (g) (13) (A) (v) below for additional details). A review of existing databases including iNaturalist identified 33 plants not addressed in the DEIR. These include:</p> <p>INSERT SPECIES LIST 2</p> <p>Additionally, there is a likelihood that the first species listed, Shasta maidenhair fern (<i>Adiantum shastense</i>), may occur in the project area, as it has been detected in close proximity to the project. Table 3 of the Fountain Site Characteristic Study (TN # 24318) included additional plants and wildlife not fully evaluated in the DEIR.</p> <p>In addition, the EIR does not include any direct, indirect, or operational impacts to these species nor does it provide adequate mitigation measures to reduce project related impacts. Measures should include pre-construction surveys.</p> <p>Request for Information: An updated rare plant survey of the entire project area should be completed, and the results of this survey shall be provided in an updated rare plant survey report. The surveys should not be deferred to preconstruction surveys alone for areas not surveyed within five years.</p>	
BIO-005	Biological Resources	Appendix B (g) (13) (A) (v)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.		No	<p>Topic: Impact 3.4-5: Construction, operation and decommissioning of the Project could result in adverse impacts to California spotted owls. The DEIR does not adequately assess potential impacts to this species nor does the proposed mitigation measure provide adequate protection during proposed construction activities. The DEIR states "Areas of the Project Site containing moderate to high suitability for nesting habitat are present only within the southeastern third of the Project Site, with approximately 945 acres classified as having moderate suitability for the species and 50 acres classified as having high suitability. These areas of predicted high suitability for nesting and roosting, are present in small, isolated patches in the Project Site which may limit the potential for these areas to support California spotted owl roosts or nests." Considering the loss of any suitable habitat for this and other species in the region that has occurred from recent landscape level wildfires, the DEIR should not discount use of the site nor its importance to this species in the region. In addition, the current mitigation measure indicates that one survey for this species would be conducted or presence would be assumed. Conducting one surveys season would not likely ensure that impacts to this species are assessed or reduced to less than significant levels.</p> <p>Required Information: Please provide updated information on occurrences of spotted owl within and near the Project site.</p>	
BIO-006	Biological Resources	Appendix B (g) (13) (A) (v)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.		No	<p>Topic: Impact 3.4-12: Site preparation and construction, operations, and maintenance, and decommissioning and site restoration of the Project could result in habitat loss and water quality impacts on Pit roach, special-status amphibians and western pond turtle. The EIR does not include specific measures with clear methods to identify and protect areas supporting these species. The document does not discuss potential barriers to upstream passage from culverts or crossings, overwintering sites, egg deposition areas, or provide an analysis of potential impacts to these resources. It is also unclear which areas were specifically surveyed for amphibians. Was only modeled habitat searched, moderate and High, or all potential habitat?</p> <p>Request for Information: Please provide any reports or background data regarding the potential for these species to occur and identify any protective measures that would be proposed.</p>	

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BIO-007	Biological Resources	Appendix B (g) (13) (A) (v)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.		No	Topic: Impact 3.4-13: Operation and maintenance of the Project could result in direct mortality and injury to bats, including special-status species. The DEIR does not evaluate construction impacts to bats, their roosts or potential hibernaculum. There is no mitigation measures that specifically address construction related impacts to bats. Request for Information: Please provide information on the number and type of cavities, and other habitat features that occur in the Project area that could be used by bats.	
BIO-008	Biological Resources	Appendix B (g) (13) (A) (v)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.		No	Topic: Impact 3.4-14: Site Preparation and Construction and Decommissioning and Site Restoration of the Project could result in temporary adverse impacts to special-status mammals. The DEIR concludes that impacts to special status mammals would be less than significant because of current land management practices. However, it is likely that some of these and other mammals could be directly impacted by construction of the project. Staff considers these impacts significant absent mitigation. In addition, the current mitigation measure if adopted does not provide the specific actions required to ensure the protection of Fisher and other sensitive mammals. Request for Information: Please provide information on the number and the type of cavities, and other habitat features (brush or rock piles, downed logs, etc.) that occur in the Project area that could be used by fishers.	
BIO-009	Biological Resources	Appendix B (g) (13) (A) (v)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.		No	Topic: Impact Analysis General Overview. The document does not appear to contain impact analysis to wildlife from the spread of noxious or invasive weeds, project related wildfires, blasting, use of herbicides, disturbance to denning or natal sites, use of brush piles and other features periodically occupied by Fishers, introduction of invasive wildlife species (mussels and gastropods), and general exposure to hazardous materials. Although there is limited language regarding weeds and invasive species identified within the riparian and waters impact sections. In addition, the FEIR does not include specific language on a Nesting Bird Management Plan, Invasive Species Management, Bird and Bat Conservation Strategies, avoidance of wetland areas, etc. Request for Information: Please provide information on the number and type of snags, cavities, and other habitat features that occur in the Project area and a 500-foot buffer. Please provide an analysis of impacts to all species that have the potential to occur in the proposed project area. Please clarify impacts from what types of invasive species and their distribution on the region. If herbicides would be used, the document should contain a specific section describing the direct, indirect, and operational impacts to these species.	
BIO-010	Biological Resources	Appendix B (g) (13) (A) (v)	A regional overview and discussion of terrestrial and aquatic biological resources, with particular attention to sensitive biological resources within 10 miles of the project. Include a map at a scale of 1:100,000 (or other suitable scale) showing sensitive biological resource location(s) in relation to the project site and related facilities and any boundaries of a local Habitat Conservation Plan or similar open space land use plan or designation. Sensitive biological resources include:			Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-011	Biological Resources	Appendix B (g) (13) (A) (i)	species listed under state or federal Endangered Species Acts;		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion listed species information that is deficient or missing.	
BIO-012	Biological Resources	Appendix B (g) (13) (A) (ii)	resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u);		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-013	Biological Resources	Appendix B (g) (13) (A) (iii)	species identified as state Fully Protected;		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of fully protected species information that is deficient or missing.	
BIO-014	Biological Resources	Appendix B (g) (13) (A) (iv)	species covered by Migratory Bird Treaty Act;		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	

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BIO-015	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;	Plants: TN 248308-7, Appendices A, C, and D TN 248308-8, Appendices A and C TN 248308-1, Appendices A and C TN 248329-4, Table C-1 TN 248308-7, Page 2 TN 248308-8, Pages 2-3 TN 248308-1, Page 5 Wildlife: TN #: 248306-2 (2019 nest surveys, pg 1-2.) TN #: 248309-5 (2018 avian use study, Figure 5, pg. ii, 11-12.) TN#: 248318 (Site characterization study (2017), Methods, pg. 8) TN#: 248318 (Site characterization study (2017))	No	Required Information: An updated rare plant survey of the entire project area should be completed, and the results of this survey shall be provided in an updated rare plant survey report. Specially this revised report should address the following: • A discussion of Carex comosa, Sidalcea gigantea, Cardamine bellidifolia var. pachyphylla, and Meesia uliginosa. • The results of focused non-vascular plant surveys by a qualified botanist. • A discussion of all CRPR 4 species identified in the literature search and observed on the site. All species in the species list with a potential to be special status shall be identified to the appropriate taxonomic level. The updated rare plant survey and rare plant survey report should be completed according to the CDFW protocol and should cover all impact areas and an indirect impact buffer area. * Any exceptions to the CDFW protocol should be clearly stated and explained. A comprehensive species list should be provided in the updated rare plant survey report and should discuss any discrepancies between the previous rare plant reports and other technical reports for the project (i.e., jurisdictional delineation).	
BIO-016	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	Topic: In the 2019 Raptor Nest Survey Report, the introduction states, "In 2018, due to concerns raised by CDFW regarding the need for an Memorandum of Understanding (MOU) to conduct aerial surveys for eagles, WEST conducted eagle nest surveys from the Ground (WEST 2018b)" and "In 2019, following receipt of an interim MOU from CDFW, WEST conducted a third year of aerial surveys for eagles and other raptors.....The following memorandum provides a summary of the methods and results of the 2019 survey effort, as well as a summary of nest status from 2017 and 2018 surveys." Required Information: Please provide a copy of the MOU from CDFW.	
BIO-017	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	Topic: The Hatchet Ridge Avian Mortality Memo discusses avian mortality at the Hatchet Ridge Wind Energy Facility. More recent and comprehensive data would be useful in analyzing potential impacts to birds and bat species. Required Information: Please provide updated mortality data from the Hatchet Ridge Wind Farm.	
BIO-018	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	Topic: The memo states, "Environmental resources within the Project Area and surrounding Evaluation Area were examined through a search of existing publicly available data and an initial reconnaissance-level site visit. The initial site visit occurred October 19–21, 2016 and entailed a preliminary examination of the area from accessible public and private roads. Biological features and potential wildlife habitat surveyed during the site visit included plant communities, topographic and geological features, potential raptor nesting habitat, habitat for prey populations, and potential bat roosting and foraging habitat. However, due to the relatively late seasonal timing of the site visit, little information was gathered on plant communities." Required Information: Please provide information on whether additional surveys were conducted to characterize vegetation communities within the Project area, if information on specific habitat features was gathered, and clarify if the applicable species habitat assessments and field surveys addressed that information.	
BIO-019	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	Topic: Figure 5. Land Cover in the Site Characterization Study is blurry and difficult to interpret. Given the size of the Project area, multiple maps zoomed into various parts of the project would have been easier to understand. The land cover types were determined by NLCD, and do not correspond with vegetation communities described elsewhere in the document. For instance, the study states that, "the dominant vegetation community within the Project is Sierran mixed conifer forest"; the legend has "mixed forest", "evergreen forest," and "deciduous forest." No descriptions of the land cover types were provided to understand the difference in structures between these forest cover types, or how they correspond to Sierran mixed conifer forest. "Herbaceous" is misspelled in the legend. Required Information: Please provide information on whether additional surveys were conducted to characterize vegetation communities within the Project area, if information on specific habitat features was gathered, and clarify if the applicable species habitat assessments and field surveys addressed that information.	

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BIO-020	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;	<p>TN #: 248308-5 (2018 great gray owl habitat assessment, pg. 1, 2)</p> <p>TN #: 248308-5 (2018 great gray owl habitat assessment, pg. 2, Figure 1)</p> <p>TN #: 248308-5 (2018 great gray owl habitat assessment, pg. 3 and Figure 1)</p> <p>TN #: 248308-5 (2018 great gray owl habitat assessment, pg. 3 and Figure 1 site characterization study (2017), Figure 5)</p> <p>TN #: 248306-4 (2018 northern goshawk surveys, pg. 1 and 2)</p> <p>TN #: 248307-5 (spotted owl risk assessment [2020], pg. 4 and 6)</p> <p>TN #: 248309-4 (2021 spotted owl memo)</p> <p>TN # 248289-1 (FEIR Page 1-5 to 1-6)</p> <p>TN # 248306-1 (Willow Flycatcher Surveys)</p>	No	<p>Topic: 2018 great gray owl habitat assessment. The memo states that no confirmed detections of great gray owl have been recorded within Shasta County. While it is true that CNDDDB has no confirmed records in Shasta County, the CDFW BIOS 'Great Gray Owl' layer shows two points in Shasta County – one on the Siskiyou County border, and one in Lassen Volcanic National Park. Though these records are considered historical occurrences, they should be discussed in the report. eBird has sensitive locations shown between Redding and Shasta Lake; and at Lassen Volcanic National Park that are within the past 10 years.</p> <p>Required Information: Please provide updated and expanded great gray owl record searches.</p>	
BIO-021	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;	<p>TN #: 248308-5 (2018 great gray owl habitat assessment, pg. 1, 2)</p> <p>TN #: 248308-5 (2018 great gray owl habitat assessment, pg. 2, Figure 1)</p> <p>TN #: 248308-5 (2018 great gray owl habitat assessment, pg. 3 and Figure 1)</p> <p>TN #: 248308-5 (2018 great gray owl habitat assessment, pg. 3 and Figure 1 site characterization study (2017), Figure 5)</p> <p>TN #: 248306-4 (2018 northern goshawk surveys, pg. 1 and 2)</p> <p>TN #: 248307-5 (spotted owl risk assessment [2020], pg. 4 and 6)</p> <p>TN #: 248309-4 (2021 spotted owl memo)</p> <p>TN # 248289-1 (FEIR Page 1-5 to 1-6)</p> <p>TN # 248306-1 (Willow Flycatcher Surveys)</p>	No	<p>Topic: 2018 great gray owl habitat assessment. The memo states, "Geographic Information System (GIS) data from the CNDDDB and examination of aerial imagery were used to conduct a desktop review of potential great gray owl nesting and foraging habitat within the Project area using the CDFW Model (CNDDDB 2011; Figure 1)." The memo further states, "Once identified during the desktop assessment, a WEST biologist visited the Project to evaluate areas of modelled great gray owl habitat and to identify areas of potential habitat not predicted by the model." The memo goes on to provide an evaluation of the modeled habitat within the Project Area but does not go into any detail regarding potential habitat not predicted by the model, or why other areas of the Project site were determined to not provide potential habitat. There was no discussion regarding the presence or absence of nesting habitat features within the project area, such as abandoned stick nests, broken-topped snags, or tree cavities.</p> <p>Required Information: Please provide additional information on whether field surveys were conducted to determine habitat characteristics for this species.</p>	

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BIO-022	Biological Resources		species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: Great Gray Owl. The results of the survey state that "no specific measurements of tree size or canopy closure were taken within the area of modeled habitat" and the field assessment was "limited to a view of the modeled nesting habitat from the fence located on the west side of the meadow and an assessment of tree sizes in close proximity." The location of the fence, the relation of the fence to the modeled habitat, and trees in "close proximity" are not defined. It is also not clear if habitat surrounding the modeled habitat was assessed. The analysis habitat was limited to the size of the modeled habitat area and nearby aerial imagery comparison.</p> <p>The results go on to state that "the desktop review of aerial imagery and habitat classifications determined that the area of modeled nesting habitat within the Project area does not meet the minimum criteria for suitability, which was confirmed during the field assessment." This statement is unclear given that the site was on "a private inholding" and field assessment was limited to a view from a fence line and aerial imagery comparison.</p> <p>Required Information: Please provide additional information on how the habitat in the private inholding was determined.</p>	
BIO-023	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: Vegetation in the "private inholding" is described as having a large meadow/pasture surrounded by conifers. In the site characterization report, this same area appears to be identified as cultivated crops, shrub/scrub and evergreen forest.</p> <p>Required Information: The data on the habitat descriptions of the project are not consistent throughout the memos. Please provide specific information on the vegetation communities on the project and whether they provide habitat for species with potential to occur in the area.</p>	
BIO-024	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: The Introduction paragraph discusses surveys conducted by timberland owners, and previous surveys in timber harvest plans. Data from these two sources were not discussed in other bird memos and survey results. The memo states that "...surveys for goshawk were conducted in 2018 to provide a more current assessment of potential presence of active nests within the four historical occurrence areas." The memo also states, "Based on reviews of aerial imagery within the Project area, habitat within these historical occurrence areas appear to represent the most suitable nesting stands in close proximity (e.g., within 160 m) to areas of potential disturbance based on the most current Project layout as of the date of this report." Were field surveys conducted elsewhere in the Project area to determine if new territory boundaries had been established?</p> <p>Required Information: Please provide available data for surveys conducted by timberland owners and THPs for all species. Please provide more detailed information on habitat assessments for goshawk in other areas of the project site, outside of known CNDDDB records.</p>	
BIO-025	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: The project boundary was used as the extent of evaluation of known goshawk territories. CNDDDB shows at least one territory immediately adjacent to the project boundary. Please explain why a two-mile buffer was not used to evaluate northern goshawk, similar to the 2-mile buffer used in the raptor nest surveys. The memo states that, "According to the CFPR, a minimum buffer of five to 20 acres should be maintained around active goshawk nests," which would indicate that a buffer around the project area should have been included in the analysis.</p> <p>The memo does state that surveys were focused on historical goshawk occurrence areas, and therefore the results are not broadly applicable across the Project area. Additional surveys were conducted in 2021 in accordance with the Shasta County EIR.</p> <p>Required Information: Please expand the analysis of known goshawk territories to an appropriate buffer around the project area.</p>	
BIO-026	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: Goshawk. The results section is brief (limited to two sentences) and does not provide the applicable data associated with the conclusions.</p> <p>Required Information: Please provide the data records associated with the acoustical survey stations.</p>	

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BIO-027	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: The memo states that, "For purposes of owl management and conservation, the Pitt River in Shasta County is recognized as the dividing line between the CSO range to the south and the state and federally listed northern spotted owl (<i>Strix occidentalis caurina</i>; NSO) to the north (Gutiérrez and Barrowclough 2005). At its closest point, the Pitt River runs approximately 4.7 miles (mi; 7.6 kilometers [km]) north of the Project Site." The USFS PWS publication <i>The California Spotted Owl: Current State of Knowledge</i> (Gutiérrez et al.) 2017 https://www.fs.usda.gov/psw/publications/documents/psw_gtr254/), Figure 2-1 shows Shasta, Lassen and parts of Modoc Co as the transition zone between Northern and California spotted owl. The PSW states, "Indeed, introgression between northern and California spotted owls occurs and there is a cline of overlap in northeastern California near the Pit River (Barrowclough et al. 2011; fig. 2-1). For purposes of owl management and conservation, the Pit River is recommended as the management dividing line between the northern and the California subspecies (Gutiérrez and Barrowclough 2005). Thus, the Hat Creek Ranger District of the Lassen National Forest is that unit of U.S. Forest Service managed land where the transition of the northern and California subspecies occurs (fig. 2-1)." Though the Pit River is the line for NSO management, there are numerous occurrences of NSO south of Pit River on the CDFW BIOS Spotted Owl Observations Layer. The report itself, in the Risk Assessment section, states that the area is the transition zone between CSO and NSO subspecies ranges. There is final critical habitat for NSO approximately 2 miles north of the project area. Observations of NSO are located north and south of CA-299 E.</p> <p>Required Information: The current data available does not support the conclusion that the site does not provide habitat for federal listed northern spotted owl. Please provide an updated habitat assessment for the northern spotted owl including appropriate information that supports the conclusion that evaluation for federal listed NSO is not appropriate. The results of the memo should indicate whether NSO surveys are warranted, whether the project intends to assume presence, and if presence is assumed or NSO are detected, the process for consultation under the federal endangered species act (FESA).</p>	
BIO-028	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: The report describes the Historical Occurrence in the Project Site Vicinity, describing the following activity centers: SHA0046, SHA0051, SHA0124, and SHA0063. The report states, "The last known positive detections associated with SHA0046 and SHA0051 were individual birds observed in 1994 and 1990, respectively (CDFW 2020b). The last known active nest at SHA0046 was documented in 1992, when a female CSO was observed with two young.The most recent positive detection near the Project (SHA0124) was an incidental observation of an adult bird with two young reported by a Sierra Pacific Industries forester in 2008, approximately 1.2 mi (1.9 km) southeast of the Project Site between Ward Butte and Green Mountain (CDFW 2020b; Figure 2)." Upon review of the CDFW BIOS Spotted Owl Observations layer, the last known observation for SHA0046 was 2019 where a CSO was "heard and seen"; 2020 where a CSO was "heard and seen"; and 2021 where a "female believed to be a sub adult" was observed. There are also CSO positive (POS) observations in SHA0124 for 2020 where a CSO was "heard"; an activity center in 2008 where CSO was "heard and seen"; and 2008 where a CSO was discovered while flagging a stream crossing (assumed to be the incidental observation described above). There is another activity center, SHA0068, approximately 2.5-3 miles from the project site, from 2021 where CSO was "heard and saw female...male was heard south of call station." Though some of these occurrences seem to be dated after the date of this report, this recent data does indicate that CSO is likely actively using habitat near the project site.</p> <p>Please also note that these positive identifications occurred in "CWHR Spotted Owl Predicted Habitat" that is defined as Low or Medium. Though it is true that much of the project site north of Hwy 299 is currently considered non-habitat in the CHWR model (likely due to the Fountain Fire as described in the report), there is low and moderate habitat areas within and near the project site. The statement, "Given the Project's proximity to much larger and contiguous areas of high suitability habitat on protected public lands (Lassen National Forest to the southeast and Shasta Trinity National Forest to the north and west; Figure 2), it is unlikely that CSOs would select the less suitable habitats within the heavily managed timberlands present within the Project Site" is not supported by the most recent available data.</p> <p>Required Information: Please provide updated information on occurrences of spotted owl within and near the Project site.</p>	

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BIO-029	Biological Resources		species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: The memo included data from American Wind Wildlife Institute (AWWI; now Renewable Energy Wildlife Institute), which provides a good overview of broad data across the United States. The memo states, "Based on AWWI's (2019) recent analysis of 193 postconstruction monitoring studies at 130 wind energy facilities in the US between 2002 and 2017, owls compose approximately 1.2% of unadjusted bird fatality incidents..." Though the potential for strikes is low, the potential is present if the area was suitable for NSO, which would require FESA consultation. The 2018 avian use study included data from the nearby Hatchet Ridge Wind Farm. Is there data available from the nearby Hatchet Ridge Wind Farm that could aid in species specific data for bird strikes?</p> <p>Required Information: Please include the most recent available data on owl strikes from the Hatchet Ridge Wind Farm.</p>	
BIO-030	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: 2021 spotted owl memo. The memo included data from American Wind Wildlife Institute (AWWI; now Renewable Energy Wildlife Institute), which provides a good overview of broad data across the United States. The memo states, "Based on AWWI's (2019) recent analysis of 193 postconstruction monitoring studies at 130 wind energy facilities in the US between 2002 and 2017, owls compose approximately 1.2% of unadjusted bird fatality incidents..." Though the potential for strikes is low, the potential is present if the area was suitable for NSO, which would require FESA consultation. The 2018 avian use study included data from the nearby Hatchet Ridge Wind Farm. Is there data available from the nearby Hatchet Ridge Wind Farm that could aid in species specific data for bird strikes?</p> <p>Required Information: Please include the most recent available data on owl strikes from the Hatchet Ridge Wind Farm.</p>	
BIO-031	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: 2021 Northern Spotted Owl Memo. The memo states that, "Field surveys aligned with the USFWS endorsed Protocol for Surveying Proposed Management Activities that may Impact Northern Spotted Owls – 2012 Revision (USFWS 2012)." The 2012 USFWS Protocol (https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83977&inline) requires "two years of six visits per year, including activity center searches, and, if appropriate, spot checks and activity center searches." The memo states that surveys were conducted between May and July of 2021, which only consists of one year of surveys. The survey results indicate that "a spotted owl pair and nest on US Forest Service land approximately 0.4 mi northeast of the nearest proposed turbine" was found; and "The same male spotted owl was again heard on July 19 and its leg band confirmed when the bird was visually observed approximately 0.3 mi from the nearest proposed turbine." Whether the spotted owl detected was an CSO or NSO was not stated in the text but was stated on the legend in the figure. It is unclear if the owl detection was assumed to be a CSO based on previous memos, or was confirmed to be CSO, as no information on species determination was provided. Even though spotted owls were detected nearby, though slightly outside the 0.25-mile buffer, the conclusion states that, "...the likelihood of spotted owls nesting within the Project area or surrounding 0.25-mile buffer appears to be low."</p> <p>Required Information: Please conduct an additional round of surveys for spotted owl in accordance with the USFWS protocol. Please indicate whether the spotted owls observed were identified as CSO in the field or assumed to be CSO based on the Spotted Owl Risk Assessment.</p>	
BIO-032	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: Foothill yellow-legged frog and Cascades frog surveys: There appears to be areas where both eDNA and field surveys were conducted (yellow legged frogs) compared to areas where no data was collected if the drainage was located under a conductor or adjacent to the project. For example, the eDNA report indicated that streams located below long spans of overhead collection lines were not surveyed. Staff is concerned that these areas may still be impacted by the proposed project and that surveys for this species and cascades frog are old and do not reflect baseline conditions.</p> <p>Required Information: Staff recommend that supplemental surveys for cascades and foothill yellow legged frogs be conducted in all areas of suitable habitat, not limited to the best or modeled habitat.</p>	
BIO-033	Biological Resources	Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the California Natural Diversity Database, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission;		No	<p>Topic: Willow Flycatcher surveys. Methods indicate that the biologists reviewed aerial imagery to eliminate unsuitable habitat. In review of the report, staff noted that no vegetation mapping was included, that the report does not include the time of day, weather, or longitude/latitude data. Confirms no vocal detections but does not mention visual detections or band observations. The report does not include a species list of detected birds, does not provide any data/information regarding brown-headed cowbirds and has no mention of required CDFW survey forms. Based on a review of the jurisdictional delineation report, over 100 acres of various riparian vegetation communities is present on the project site.</p> <p>Required Information: Please provide the survey times, weather conditions, vegetation maps, bird list, recorded during the surveys. Please update the flycatcher surveys, last conducted in 2018 and provide a better description of the methodology used to exclude various riparian areas. Further the CDFW model should be compared to existing vegetation communities and site conditions mapped on the project site.</p>	

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BIO-034	Biological Resources	Appendix B (g) (13) (A) (vi)	and fish and wildlife species that have commercial or recreational value.		Yes	N/A	
BIO-035	Biological Resources	Appendix B (g) (13) (B)	Include a list of the species observed and those with a potential to occur within 1 mile of the project site and 1,000 feet from the outer edge of linear facility corridors. Maps or aerial photographs shall include:		N/A	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-036	Biological Resources	Appendix B (g) (13) (B)	Detailed maps at a scale of 1:6,000 or color aerial photographs taken at a recommended scale of 1 inch equals 500 feet (1:6,000) with a 30 percent overlap that show the proposed project site and related facilities, biological resources including, but not limited to, those found during project-related field surveys and in records from the California Natural Diversity Database, and the associated areas where biological surveys were conducted. Label the biological resources and survey areas as well as the project facilities;		N/A	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-037	Biological Resources	Appendix B (g) (13) (B) (ii)	A depiction of the extent of the thermal plume at the surface of the water if cooling water is proposed to be discharged to a water source. Provide the location for the intake and discharge structures on an aerial photograph(s) or detailed maps. Water sources include, but are not limited to, waterways, lakes, impoundments, oceans, bays, rivers, and estuaries; and		N/A		
BIO-038	Biological Resources	Appendix B (g) (13) (B) (iii)	An aerial photo or wetlands delineation maps at a scale of (1:2,400) showing any potential jurisdictional and non-jurisdictional wetlands delineated out to 250 feet from the edge of disturbance if wetlands occur within 250 feet of the project site and/or related facilities that would be included with the U.S. Army Corps of Engineers Section 404 Permit application. For projects proposed to be located within the coastal zone, also provide aerial photographs or maps as described above that identify wetlands as defined by the Coastal Act.	TN # 248307-2 (Aquatic Resources Report) Page 14	No	Topic: It was unclear what the limits of the survey area were in the Aquatic Resources Report. The maps of the project area were not included in the Report. It is possible that the maps present in TN # 248329-7 (LSAA Figure 2 Aquatic Impacts) but it does not show Federal waters. Required Information: Please provide the report figures or identify the existing submittal. Please clarify if the boundaries of the delineation were limited to the project footprint or extended outside the project disturbance limits.	
BIO-039	Biological Resources	Appendix B (g) (13) (C)	A discussion of the biological resources at the proposed project site and related facilities. Related facilities include, but are not limited to, laydown and parking areas, gas and water supply pipelines, transmission lines, and roads. The discussion shall address the distribution of vegetation community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and other appropriate biological resources including the following:		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-040	Biological Resources	Appendix B (g) (13) (C) (i)	A list of all the species observed;		Yes	N/A	
BIO-041	Biological Resources		A list of sensitive species and habitats with a potential to occur (defined in (A) above); and		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-042	Biological Resources	Appendix B (g) (13) (C) (iii)	If cooling water is taken directly from or discharged to a surface water feature source, include a description of the intake structure, screens, water volume, intake velocity hydraulic zone field of influence, and the thermal plume dispersion area as depicted in response to B(ii) above. Describe the thermal plume size and dispersion under high and low tides, and in response to local currents and seasonal changes. Provide a discussion of the aquatic habitats, biological resources, and critical life stages found in these affected waters. For repower projects that anticipate no change in cooling water flow, this information shall be provided in the form of the most recent federal Clean Water Act 316(a) and (b) studies of entrainment and impingement impacts that has been completed within the last 5 years. For new projects or repower projects proposing to use once-through cooling and anticipating an increase in cooling water flow, provide a complete impingement and entrainment analysis per guidance in (D)(ii), below.		N/A		

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BIO-043	Biological Resources	Appendix B (g) (13) (D)	A description and results of all field studies and seasonal surveys used to provide biological baseline information about the project site and associated facilities. Include copies of the California Natural Diversity Database records and field survey forms completed by the applicant's biologist(s). Identify the date(s) the surveys were completed, methods used to complete the surveys, and the name(s) and qualifications of the biologists conducting the surveys. Include:		Yes	N/A	
BIO-044	Biological Resources	Appendix B (g) (13) (D) (i)	Current biological resources surveys conducted using appropriate field survey protocols during the appropriate season(s). State and federal agencies with jurisdiction shall be consulted for field survey protocol guidance prior to surveys if a protocol exists;		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-045	Biological Resources	Appendix B (g) (13) (D) (ii)	If cooling water is proposed to be taken directly from or discharged to a surface water feature source, seasonal aquatic resource studies and surveys shall be conducted. Aquatic resource survey data shall include, but is not limited to, fish trawls, ichthyoplankton and benthic sampling, and related temperature and water quality samples. For new projects or repower projects anticipating a change in cooling water flows, sampling protocols shall be provided to Commission staff for review and concurrence prior to the start of sampling. For repower projects not anticipating a change in cooling water flows, this information shall be provided in the form of the most recent federal Clean Water Act 316(b) impingement and entrainment impact study completed within 5 years of the AFC filing date; and		N/A		
BIO-046	Biological Resources	Appendix B (g) (13) (D) (iii)	If the project or any related facilities could impact a jurisdictional or non-jurisdictional wetland, provide completed Army Corps of Engineers wetland delineation forms or determination of wetland status pursuant to Coastal Act requirements, name(s) and qualifications of biologist(s) completing the delineation, the results of the delineation and a table showing wetland acreage amounts to be impacted.		Yes	N/A	
N/A	Biological Resources	Appendix B (g) (13) (E)	Impacts discussion of:	-----	-----	-----	
BIO-047	Biological Resources	Appendix B (g) (13) (E) (i)	all impacts (direct, indirect, and cumulative) to biological resources from project site preparation, construction activities, plant operation, maintenance, and closure. Discussion shall also address sensitive species habitat impacts from cooling tower drift and air emissions;		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-048	Biological Resources	Appendix B (g) (13) (E) (ii)	facilities that propose to take water directly from, and/or discharge water to surface water features, daytime and nighttime impacts from the intake and discharge of water during operation, water velocity at the intake screen, the intake field of influence, impingement, entrainment, and thermal discharge. Provide a discussion of the extent of the thermal plume, effluent chemicals, oxygen saturation, intake pump operations, and the volume and rate of cooling water flow at the intake and discharge location; and		N/A		
BIO-049	Biological Resources	Appendix B (g) (13) (E) (iii)	Methods to control biofouling and chemical concentrations, and temperatures that are currently being discharged or will be discharged to receiving waters.		N/A		
N/A	Biological Resources	Appendix B (g) (13) (F)	A discussion of all feasible mitigation measures including, but not limited to the following:	-----	-----	-----	
BIO-050	Biological Resources	Appendix B (g) (13) (F)	All measures proposed to avoid and/or reduce adverse impacts to biological resources;		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-051	Biological Resources	Appendix B (g) (13) (F) (ii)	All off-site habitat mitigation and habitat improvement or compensation, and an identification of contacts for compensation habitat and management;	DEIR Biological Resources TN # 248288-6	Yes	Mitigation approach described in DEIR.	
BIO-052	Biological Resources	Appendix B (g) (13) (F) (iii)	Design features to better disperse or eliminate a thermal discharge;		N/A		

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BIO-053	Biological Resources	Appendix B (g) (13) (F) (iv)	All measures proposed to avoid or minimize adverse impacts of cooling water intake. This shall include a Best Technology Available (BTA) discussion. If BTA is not being proposed, the rationale for not selecting BTA must be provided; and		N/A		
BIO-054	Biological Resources	Appendix B (g) (13) (F) (v)	Educational programs to enhance employee awareness during construction and operation to protect biological resources.	TN 248289-1 Page 1-5 to 1-6	Yes	A WEAP has been added to the FEIR.	
BIO-055	Biological Resources	Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs to ensure the effectiveness of impact avoidance and mitigation measures incorporated into the project.		No	Please reference Appendix B (g) (1) and Appendix B (g) (13) (A) (v) for a discussion of resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u) that is deficient or missing.	
BIO-056	Biological Resources	Appendix B (g) (13) (H)	Submit copies of any preliminary correspondence between the project applicant and state and federal resource agencies regarding whether federal or state permits from other agencies such as the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, the U.S. Army Corps of Engineers, the California Department of Fish and Game, and the Regional Water Quality Control Board will be required for the proposed project.	TN # 248329-2	Yes	An application for a Lake and Streambed Alteration Agreement was submitted to CDFW. However, we cannot determine the adequacy of the application	
BIO-057	Biological Resources	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	DEIR Biological Resources TN # 248288-6 Pages 3.4-31 to 3.4-35	Yes	N/A	
BIO-058	Biological Resources	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.		No	Please provide said table or indicate appropriate TN# and page.	
BIO-059	Biological Resources	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	N/A	Yes	N/A	
BIO-060	Biological Resources	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	TN 48322 Table 3. List of Potential Permits and Status Page 16-17	Yes	N/A	

Cultural Resources

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CUL-001	Cultural Resources	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	* Shasta County Initial Study at Section V (Cultural Resources); * Scoping Report (Transcript of Community Comments); * Shasta County DEIR Section 3.6 Cultural Resources; MMs 3.6-1 through 3.6-3d; * Shasta County FEIR pp. 1-14 to 1-15, Section 2.2.2 Responses to Comments from Tribal Entities and Members; * Staff Report to Shasta County Planning Commission dated 6/22/21 pp. 6-7 TN248291-120230103T125541_Tribal Addendum (1)	Yes	N/A	
CUL-002	Cultural Resources	Appendix B (g) (2) (A)	A summary of the ethnology, prehistory, and history of the region with emphasis on the area within no more than a 5-mile radius of the project location.	Shasta County DEIR Section 3.6.1 Cultural Resources: Setting, pp. 3.6-3 to 3.6-6	Yes	N/A	
CUL-003	Cultural Resources	Appendix B (g) (2) (B)	The results of a literature search to identify cultural resources within an area not less than a 1-mile radius around the project site and not less than one-quarter (0.25) mile on each side of the linear facilities. Identify any cultural resources listed pursuant to ordinance by a city or county or recognized by any local historical or archaeological society or museum. Literature searches to identify the above cultural resources must be completed by, or under the direction of, individuals who meet the Secretary of the Interior's Professional Standards for the technical area addressed. Copies of California Department of Parks and Recreation (DPR) 523 forms (Title 14 CCR section 4853) shall be provided for all cultural resources (ethnographic, architectural, historical, and archaeological) identified in the literature search as being 45 years or older or of exceptional importance as defined in the National Register Bulletin Guidelines, (36CFR60.4(g)). A copy of the USGS 7.5' quadrangle map of the literature search area delineating the areas of all past surveys and noting the California Historical Resources Information System (CHRIS) identifying number shall be provided. Copies also shall be provided of all technical reports whose survey coverage is wholly or partly within .25 mile of the area surveyed for the project under section (g)(2)(C), or which report on any archaeological excavations or architectural surveys within the literature search area.	Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019. Section 6.1 CHRIS Record Search Results, pp. 2, 15, 18, Appendix B DEIR, p. 3.6-6 Cultural Report Author Qualifications Confidential Appendix C: DPR Forms	No	Provide a copy of the Northeast Information Center request letter, USGS 7.5' quadrangle map of the literature search area delineating the areas of all past surveys and noting the CHRIS identifying number, and response letter. Describe efforts to identify any cultural resources listed or recognized by a city, county, or local historical and archaeological societies or museums. Provide copies of California Department of Parks and Recreation (DPR) 523 forms (Title 14 CCR section 4853) shall be provided for all cultural resources (ethnographic, architectural, historical, and archaeological) identified in the literature search. Provide copies of all technical reports whose survey coverage is wholly or partly within .25 mile of the area surveyed for the project. These reports are listed in Appendix B, Table 1, of the Administrative Draft of the Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres docketed report. Provide copies of previous studies that report on any archaeological excavations or architectural surveys within the literature search area (1 mile buffer from project site).	

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CUL-004	Cultural Resources	Appendix B (g) (2) (C)	<p>The results of new surveys or surveys less than 5 years old shall be provided if survey records of the area potentially affected by the project are more than 5 years old. Surveys to identify new cultural resources must be completed by (or under the direction of) individuals who meet the Secretary of the Interior's Professional Standards for the technical area addressed. New pedestrian archaeological surveys shall be conducted inclusive of the project site and project linear facility routes, extending to no less than 200' around the project site, substations and staging areas, and to no less than 50' to either side of the right-of-way of project linear facility routes. New historic architecture field surveys in rural areas shall be conducted inclusive of the project site and the project linear facility routes, extending no less than .5 mile out from the proposed plant site and from the routes of all above-ground linear facilities. New historic architecture field surveys in urban and suburban areas shall be conducted inclusive of the project site, extending no less than one parcel's distance from all proposed plant site boundaries. New historic architecture field reconnaissance ("windshield survey") in urban and suburban areas shall be conducted along the routes of all linear facilities to identify, inventory, and characterize structures and districts that appear to be older than 45 years or that are exceptionally significant, whatever their age.</p> <p>A technical report of the results of the new surveys, conforming to the Archaeological Resource Management Report format (CA Office of Historic Preservation Feb 1990), which is incorporated by reference in its entirety, shall be separately provided and submitted (under confidential cover if archaeological site locations are included).</p>	<p>Shasta County DEIR Cultural Resources: Table 3.6-1 Cultural Resources in the Area of Direct Impact Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019. Stantec, 2020a. Addendum 1: Update to The Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. March 18, 2020. Stantec, 2020b. Addendum 2: Updated Cultural Resources Inventory Report: Tribal Coordination and Correspondence. Prepared for Fountain Wind LLC. March 23, 2020. Cultural Report Author Qualifications 20230111T150116_Confidential Cultural Survey Update. Confidential DPR Forms Pt1 20230111T150100_TN248291-</p>	No	<p>Provide Figure 4 (Survey Coverage Map) under confidential designation so that the boundaries of the archaeological survey are verifiable (no less than 200' around the project site, substations and staging areas, and to no less than 50' to either side of the right-of-way of project linear facility routes). Conduct a historic architecture field survey inclusive of the project site and the project linear facility routes, extending no less than .5 mile out from the proposed plant site and from the routes of all above-ground linear facilities. A Secretary of the Interior-qualified historian or architectural historian shall conduct or oversee this survey.</p> <p>The following information is needed for the cultural resources inventory report to meet the Archaeological Resource Management Report (ARMR) guidelines: Title Page needs the name of topographic maps, keywords (trinomials, primary numbers, or other resource numbers, or page numbers where listed; township and range of project). See ARMOR, pp. 5-6. Executive Summary: Address significance evaluations of identified resources; address impacts and recommendations; disclose disposition of any field notes, collections, or reports. See ARMOR, p. 6. Project Information/Introduction: Add location map and other figures that were left out of the report; add schedule for construction of the project; add statements of qualification for other personnel. See ARMOR, pp. 6-7. Research Design: Add a research design that informs the significance evaluations of identified cultural resources; this is wholly absent from project documentation. See ARMOR, pp. 9-10. Methods: Provide a discussion of the research conducted to evaluate resource significance (the report is silent on this matter, other than reporting the records search and reviewing some historic maps). Disclose disposition of any field notes, collections, or reports. See ARMOR, pp. 10- 11. Report of Findings (Results): Sketch maps are needed for the following DPR 523 form sets: FW-12, FW-13, FOU0919-2-14, FOU0923-1-2, and FOU1015. See ARMOR, p. 12. Discussion/Interpretation and Management Considerations (Conclusions): Add discussion that references research design. See ARMOR, pp. 15-19. References Cited: Include bibliographic entries for all historic maps consulted. Please provide a copy of the currently missing Stantec, 2020a. Addendum 1: Update to The Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. March 18, 2020. This will need to be reviewed for adequacy when provided.</p>	
CUL-005	Cultural Resources	Appendix B (g) (2) (C) cont.	<p>Information included in the technical report shall also be provided in the Application for Certification, except that confidential information (archaeological sites or areas of religious significance) shall be submitted under a request for confidentiality pursuant to California Code of Regulations, title 20, section 2501 et seq. At a minimum, the technical report shall include:</p>	<p>* Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019. * Stantec, 2020a. Addendum 1: Update to The Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. March 18, 2020.</p>	Yes	N/A	

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CUL-006	Cultural Resources	Appendix B (g) (2) (C) (i)	The summary from Appendix B (g)(2)(A) and the literature search results from Appendix B (g)(2)(B);	<p>* Shasta County DEIR Section 3.6.1 Cultural Resources Setting; Section 6.1 CHRIS Record Search Results * Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019.</p> <p>* Stantec, 2020a. Addendum 1: Update to The Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. March 18, 2020. Confidential DPR Forms Pt1 20230111T150100_ Confidential DPR Forms Pt220230111T150107_</p>	No	Provide revised summary of literature search results from Appendix B(g)(2)(B).	
CUL-007	Cultural Resources	Appendix B (g) (2) (C) (ii)	The survey procedures and methodology used to identify cultural resources and a discussion of the resources identified by the survey;	<p>Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019 Section 5.0 Methods Stantec, 2020a. Addendum 1: Update to The Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. March 18, 2020. Methods Section. 20230111T150116_Confidential Cultural Survey Update.</p>	No	Provide a revised discussion of survey procedures, methods used to identify and evaluate cultural resources, and CEQA implications, incorporating information from the historic architecture survey and other edits to the cultural resources phase 1 inventory report. This discussion must include a version that excludes confidential cultural resources information to facilitate responsible public disclosure.	
CUL-008	Cultural Resources	Appendix B (g) (2) (C) (iii)	Copies of all new and updated DPR 523(A) forms. If a cultural resource may be impacted by the project, also include the appropriate DPR 523 detail form for each such resource;	<p>Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019 Confidential DPR Forms Pt220230111T150107_</p>	No	Provide copies of all new and updated DPR 523 forms per this requirement; these copies must include any DPR 523 forms completed as part of the historic built environment survey required under Appendix B(g)(2)(C).	

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CUL-009	Cultural Resources	Appendix B (g) (2) (C) (iv)	A map at a scale of 1:24,000 U.S. Geological Survey quadrangle depicting the locations of all previously known and newly identified cultural resources compiled through the research required by Appendix B (g)(2)(B) and Appendix B (g)(2)(C) (ii); and	Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019 Figure 5. Recorded Resources and Isolates.	No	Please provide the aforementioned map(s).	
CUL-010	Cultural Resources	Appendix B (g) (2) (C) (v)	The names and qualifications of the cultural resources specialists who contributed to and were responsible for literature searches, surveys, and preparation of the technical report.	TN248291- 5_20230103T125603 Cultural Report Author Qualifications Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019 Section 5.0 Methods	No	Please provide missing resumes in TN248291- 5_20230103T125603 Cultural Report Author Qualifications, inclusive of a Secretary of the Interior-qualified architectural historian responsible for completing the missing architectural/built environment survey. The application is missing resumes for Dylan Stapleton Leven Kraushaar, Rudy Dinarte, Joshua Taylor, Brandy Doering, Georganne McMaster, Nathan Jereb, Spencer Frye, John Nadolski, and Joshua Peabody	
CUL-011	Cultural Resources	Appendix B (g) (2) (D)	Provide a copy of your request to the Native American Heritage Commission (NAHC) for information on Native American sacred sites and lists of Native Americans interested in the project vicinity, and copies of any correspondence received from the NAHC. Notify the Native Americans on the NAHC list about the project, including a project description and map. Provide a copy of all correspondence sent to Native American individuals and groups listed by the NAHC and copies of all responses. Provide a written summary of any oral responses.	Shasta County FEIR: Responses to Comments from Tribal Representatives Section 2.2.2; NAHC request letter TN248291-120230103T125541_Tribal Addendum (1) This is Addendum 2 Updated Cultural Resources Inventory TN248288-8_20230103T105258_DEIR Cultural And Tribal Cultural Resources (1) TN248320-4_20230104T135807_Pit River Council Meeting Minutes TN248320-5_20230104T135809_Pit River Meeting Agenda TN248320-6_20230104T135809_Presentation - Pit River Meeting TN248320-7_20230104T135810_Pit River Site Visit Confirmation	No	Please provide the original NAHC Sacred Lands File request letter.	
CUL-012	Cultural Resources	Appendix B (g) (2) (E)	Include in the discussion of proposed mitigation measures required by (g)(1):	Shasta County DEIR Section 3-6 Cultural Resources Subsection 3.6.3.2 Direct and Indirect Effects of the Project: Mitigation Measures 3.6-1 through 3.6-3d	No	Please provide an updated discussion of proposed mitigation measures required by (g)(1), after an architectural/built environment survey (See also Appendix B (g) (2) (C)) has been prepared. Please also provide an updated discussion that is suitable for public disclosure (only containing non-confidential cultural resources information).	

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CUL-013	Cultural & Tribal	Appendix B (g) (2) (E) (i)	A discussion of measures proposed to mitigate project impacts to known cultural resources;	Shasta County DEIR Section 3-6 Cultural Resources Subsection 3.6.3.2 Direct and Indirect Effects of the Project: Mitigation Measures 3.6-1 through 3.6-3d	No	Please provide updated mitigation measures proposed to mitigate project impacts to known cultural resources as necessary after an architectural/built environment survey (See also Appendix B (g) (2) (C)) has been prepared.	
CUL-014	Cultural & Tribal	Appendix B (g) (2) (E) (ii)	A set of contingency measures proposed to mitigate potential impacts to previously unknown cultural resources and any unanticipated impacts to known cultural resources; and	Shasta County DEIR Section 3-6 Cultural Resources Subsection 3.6.3.2 Direct and Indirect Effects of the Project: Mitigation Measures 3.6-1 through 3.6-3d	No	Please provide updated mitigation measures proposed to mitigate potential impacts to previously unknown cultural resources as necessary after an architectural/built environment survey (See also Appendix B (g) (2) (C)) has been prepared.	
CUL-015	Cultural Resources	Appendix B (g) (2) (E) (iii)	Educational programs to enhance employee awareness during construction and operation to protect cultural resources.	Shasta County DEIR Section 3-6 Cultural Resources Subsection 3.6.3.2 Direct and Indirect Effects of the Project: Mitigation Measures 3.6-1 through 3.6-3d TN248291-120230103T125541_Tribal Addendum. This is Addendum 2 Updated Cultural Resources Inventory Final EIR, Appendix G, Table G-1, pp. E-11 to E-13	Yes	N/A	
CUL-016	Cultural Resources	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	* Table of Applicable LORS * Shasta County Staff report dated 6/22/21 to the Planning Commission, pp. 12–13 * Stantec Consulting Services (Stantec), 2019. Fountain Wind Energy Project Cultural Resources Phase 1 Inventory of 4,463 Acres, Shasta County, California. Prepared for Fountain Wind LLC. December 2019, p. 48. TN248288-8_20230103T105258_DEIR Cultural And Tribal Cultural Resources, pp. 3.6-16 – 3.6-18	No	Add the authorities listed on pp. 3.6-16 – 3.6-18 to the Table of Applicable LORS and discuss the project's conformance with each.	
CUL-017	Cultural Resources	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	DEIR Section 2 Description of Project and Alternatives, p. 2-41, Table 2-8 (Summary of Permits and Approvals)	Yes	N/A	
CUL-018	Cultural Resources	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Scoping Report Appendix B, Direct Mail Notice	No	Although the Scoping Report identifies the agencies contacted for CEQA scoping, the application does not provide the names and contact information for agency personnel. Please provide required phone numbers, addresses, etc.	
CUL-019	Cultural Resources	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 3 in Project Description	Yes	N/A	

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EN-001	Efficiency--Energy Resources	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Chapter 2: Description of Project Section 2.1: Project Overview Section 2.2: Project Location Section 2.4: Description of the Project Section 2.4.4.3 Operation and Maintenance Facility Section 2.4.5: Site Preparation and Construction Section 3.2: Visual Resources Section 3.7: Energy	Yes	N/A	
EN-002	Efficiency--Energy Resources	Appendix B (h) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	n/a	N/A		
EN-003	Efficiency--Energy Resources	Appendix B (h) (4) (B)	Annual fuel consumption in BTUs for each mode of operation, including hot restarts and cold starts.	Section 3.7.3.2: Direct and Indirect Effects of the Project Table 3.7-5: Project Energy Consumption During Operation	Yes	N/A	
EN-004	Efficiency--Energy Resources	Appendix B (h) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation including starts and shutdowns.	Section 3.7.3.2: Direct and Indirect Effects of the Project (Operation and Maintenance)	Yes	605,491 MWh/yr	
EN-005	Efficiency--Energy Resources	Appendix B (h) (4) (D)	Number of hours the plant will be operated in each design condition in each year.	Section 2.1 Project Overview Section 3.7.3.2: Operation and Maintenance	Yes	2,803 hours/year	
EN-006	Efficiency--Energy Resources	Appendix B (h) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards	n/a			
EN-007	Efficiency--Energy Resources	Appendix B (h) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	Section 2.5: Description of Alternatives Section 3.7.3.4 Direct and Indirect Effects of Alternatives Chapter 4: Comparison of Alternatives	Yes	N/A	
EN-008	Efficiency--Energy Resources	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	n/a	No		
EN-009	Efficiency--Energy Resources	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	n/a	No		
EN-010	Efficiency--Energy Resources	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	n/a	No		
EN-011	Efficiency--Energy Resources	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	n/a	No		

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Facility Design							
FAC-001	Facility Design	Appendix B (h) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Chapter 2: Description of Project Section 2.1: Project Overview Section 2.2: Project Location Section 2.4: Description of the Project Section 2.4.4.3 Operation and Maintenance Facility Section 2.4.5: Site Preparation and Construction Section 3.2: Aesthetics	Yes	N/A	
FAC-002	Facility Design	Appendix B (h) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Section 2.4.5: Site Preparation	Yes	N/A	
FAC-003	Facility Design	Appendix B (h) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Chapter 2: Description of Project Section 2.1: Project Overview Section 2.2: Project Location Section 2.4: Description of the Project Section 2.4.5: Site Preparation and Construction	Yes	N/A	
FAC-004	Facility Design	Appendix B (h) (1) (D)	For each of the following facilities or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	Chapter 2: Description of Project Section 2.1: Project Overview Section 2.2: Project Location Section 2.4: Description of the Project Table 2-1: Project Components Section 2.4.1: Wind Turbine Generators Figure 2-4a Section 2.4.5: Site Preparation and Construction Section 3.2: Visual Resources Section 3.7: Energy	Yes	N/A	
FAC-005	Facility Design	Appendix B (h) (1) (D) (i)	The power generation system;	Section 2.1: Project Overview Section 2.4: Description of Project Table 2-1: Project Components Section 2.4.1: Wind Turbine Generators	Yes	N/A	
FAC-006	Facility Design	Appendix B (h) (3) (B) (ii)	The heat dissipation system;	n/a	N/A		
FAC-007	Facility Design	Appendix B (h) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	n/a	N/A		
FAC-008	Facility Design	Appendix B (h) (1) (D) (iv)	The atmospheric emission control system;	n/a	N/A		
FAC-009	Facility Design	Appendix B (h) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Section 2.4.8: Water, Wastewater, Waste, and Hazardous Materials Section 3.11: Hazardous and Hazardous Materials	Yes	N/A	
FAC-010	Facility Design	Appendix B (h) (1) (D) (vi)	The noise emission abatement system;	Section 3.13: Noise and Vibration TN#24291-6: Noise Report	Yes	N/A	

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FAC-011	Facility Design	Appendix B (h) (1) (D) (vii)	The geothermal resource conveyance and reinjection lines (if applicable);	n/a	N/A		
FAC-012	Facility Design	Appendix B (h) (1) (D) (viii)	Switchyards/transformer systems; and	Section 2.4.3: Project Substation, Switching Station, and Interconnection Facilities	Yes	N/A	
FAC-013	Facility Design	Appendix B (h) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Section 2.4.4: Other Infrastructure	Yes	N/A	
FAC-014	Facility Design	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	Section 2.6: Permits and Approvals	No		
FAC-015	Facility Design	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 2.6: Permits and Approvals	No		
FAC-016	Facility Design	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	n/a	N/A		
FAC-017	Facility Design	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	n/a	N/A		
Geological Hazards							
GEO-01	Geological Hazards	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect, and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing Conditions: DEIR Section 3.9.1 Setting (Geology and Soils) Preliminary Geotech Report Impacts: DEIR 3.9.3 Direct and Indirect Effects; DEIR Section 3.9.4 Cumulative Analysis	No	Final Geotechnical and Geohazard Report.	
GEO-02	Geological Hazards	Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities, including linear facilities.	DEIR Section 3.9.1 Setting (Geology and Soils)	No	Final Geotechnical and Geohazard Report.	
GEO-03	Geological Hazards	Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within two (2) miles of the project site and along proposed facilities. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, tsunami runup, and expansion or collapse of soil structures at the plant site. Describe known geologic hazards along or crossing linear facilities.	DEIR Section 3.9 Geology and Soils Figure 3.9-3 Regional Faults	No	Final Geotechnical and Geohazard Report.	
GEO-04	Geological Hazards	Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Not Provided but the applicant notes in the Appendix B Crosswalk Matrix that the project will not impact geologic resources of recreational, commercial, or scientific value.	No	Provide map and description	

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GEO-05	Geological Hazards	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	Existing Conditions: DEIR Section 3.9.1.3.	No	Provide table Existing Conditions: DEIR Section 3.9.1.3; includes descriptions of applicable LORS but does not include a table or matrix referencing pages in the application wherein conformance with each LORS during both construction and operation of the facility.	
GEO-06	Geological Hazards	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state, and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Existing Conditions: DEIR Section 3.9.1.3	No	Provide table Existing Conditions: DEIR Section 3.9.1.3; includes descriptions of applicable LORS but does not include table.	
GEO-07	Geological Hazards	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Existing Conditions: DEIR Section 3.9.1.3.	No	Provide information Existing Conditions: DEIR Section 3.9.1.3; includes descriptions of applicable LORS but does not include contact information.	
GEO-08	Geological Hazards	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Located	No	Provide information.	
Hazards & Hazardous Materials							
HAZ-01	Hazards and Hazardous Materials	Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Shasta County DEIR Section 2.4.7 Decommissioning and Site Restoration Section 3.11.3.2 a) DEIR 2.4. Decommissioning and Site Restoration	No	Project Decommissioning is described in Section 2.4.7. Some discussion of decommissioning is included in several subsections in Section 3.11.3.2. However, subsection 3.11.3.2 b) should also have discussion of impacts due to decommissioning.	
HAZ-02	Hazards and Hazardous Materials	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Shasta County DEIR Section 3.11 Hazardous Materials, all subsections and pages Shasta County FEIR, Appendix G Mitigation Monitoring and Reporting Program – Table G-1	No	A discussion of blasting is included in the setting section (Section 3.11.2.2). However, no discussion of blasting hazards is discussed in the Direct and Indirect Effects section (Section 3.11.3). Please add regulations and laws relative to blasting and explosives use to the Regulatory setting section (3.11.1.3). Please add a discussion of hazards related to the use, storage, and transportation of explosives for blasting during construction at the project site and how these hazards shall be mitigated.	
HAZ-03	Hazards and Hazardous Materials	Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in California Code of Regulations, title 22, section 66261.20 et seq., and a discussion of the toxicity of each material.	Table 2-3 Hazardous Materials in Shasta County DEIR Section 2.4.8.3 (Description of Project and Alternatives)	No	Provide additional information on the toxicity of the hazardous materials in Table 2-3.	
HAZ-04	Hazards and Hazardous Materials	Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, daycare facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Not included	No	The identified school is only 1.5 miles away and should be mapped. Clinics and other health care facilities are not identified and need to be mapped in appropriate proximity to the project site.	
HAZ-05	Hazards and Hazardous Materials	Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Shasta County DEIR Section 3.11 Hazardous Materials Subsection 3.11.3.2 Direct and Indirect Effects of the Project Criteria (a)	No	Provide descriptions of how each of the hazardous materials identified in Table 2-3 Hazardous Materials will be stored and handled onsite during construction, operation, and decommissioning. The vague discussion in section 3.11.3.2 referencing a future HMBP and SPCC is not adequate; provide more detail on where these materials will be stored and handling requirements, including if worker training and/or PPE would be required.	
HAZ-06	Hazards and Hazardous Materials	Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in offsite impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Not included	N/A		
HAZ-07	Hazards and Hazardous Materials	Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code section 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.		No	Include a discussion of whether a risk management plan related to Hazardous Materials use by workers and hazardous materials exposure to the public and sensitive receptors is required, and requirements if necessary.	

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HAZ-08	Hazards and Hazardous Materials	Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Shasta County DEIR Section 3.11 Hazardous Materials Subsection 3.11.3.2 Direct and Indirect Effects of the Project Criteria (b)	No	The section indicates that an HMBP and SPCC that would be prepared would mitigate releases of hazardous materials. Please provide a discussion on any worker safety or training for how hazardous materials would be handled during construction.	
HAZ-09	Hazards and Hazardous Materials	Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	<ul style="list-style-type: none"> •Shasta County DEIR Section 3.16 Wildfire; •Quigley, Darin, and Syndy Zerr. 2021. Fountain Wind Project EIR Wildfire Effects Review. Letter to Shasta County Planning Commission. June 17.; •Staff Report to the Planning Commission dated 6/22/21 p. 8-9; •Fountain Wind Project Fire Safety Enhancement and Assessment. Letter for Shasta County Board of Supervisors from Darin Quigley, October 19, 2021.; •Letter from Henry Woltag to Paul Hellman, June 21, 2021 •Shasta County Scoping Report at u) Wildfire 	No	A discussion of blasting is mentioned in the application but no mention of the explosive hazards due to the potential presence of explosives onsite during construction is found in any of the documents. Please add a discussion of the hazards of potential onsite explosives during construction in the Hazards and Hazardous Materials Section.	
HAZ-10	Hazards and Hazardous Materials	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	Shasta County DEIR Section 3.11.1.3 Regulatory Setting	No	Table is not provided; however, the section describes applicable laws and regulations. The discussion of the various regulations and laws do not provide discussion of how each regulation pertains to the Project; please modify to include this information.	
HAZ-11	Hazards and Hazardous Materials	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Shasta County DEIR Section 2.6 Permits and Approvals, Table 2-8	No	Permits and approvals required for blasting activities are not included in the Table. Additionally, the CADOT listing needs to be modified to include that it enforces Hazardous Materials transport (relevant to fuel deliveries and transport and disposal of any other hazardous materials)	
HAZ-12	Hazards and Hazardous Materials	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not included	No	Provide contact information for officials at the agencies that would be contacted or be responsible for overseeing review of required permits and plans as related to hazards and hazardous materials	
HAZ-13	Hazards and Hazardous Materials	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not included.	No	Provide schedule for permits that are relevant to hazards and hazardous materials	
Land Use							
LU-001	Land Use	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	TN 248288: DEIR Forestry Resources; Section 3.8.3.2; pages 3.8-3 to 3.8-4 TN 248289-1: FEIR Vol 1; Section 1.2.3.2; page 1-16 TN 248312: Timber Conversion Permit; page 25 TN 248322: Executive Summary and Project Description; Section 4.4.1.2; page 9	No	Please provide details on timber conversion activities for a comprehensive Forestry analysis. The DEIR Forestry Resources Section 3.8 did not discuss the direct or indirect impacts associated with the quantity of timber that would be removed, the process for removing the timber, where the timber would be shipped and processed, and site treatment activities following timber removal. The information regarding quantity of timber to be removed and the removal/treatment procedures was not included in the 2020 DEIR Project Description. While the 2021 Timber Conversion Permit (TCP) included additional details on the proposed timber conversion activities, none of these specific timber-related activities were analyzed under CEQA in the 2020 DEIR or 2021 FEIR. Furthermore, as stated in page 25 of the Timberland Conversion Permit (TCP), the applicant did not prepare an analysis of Timber Supply Depletion for consideration in the CEQA document. A Timber Supply Depletion analysis was to be prepared at a later date as part of the Timber Harvest Plan (THP).	

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LU-002	Land Use	Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	TN 248288: DEIR Description of Project and Alternatives; Section 2.2; pages 2-3 to 2-5 TN 248288: DEIR Intro to Environmental Analysis; Section 3.1.4.10 (Land Use and Planning); page 3.1-19 TN 248322: Executive Summary and Project Description; Section 2.3; pages 1 to 2	No	Please update the Land Use and Zoning Designation figures. The DEIR Project Description (TN 248288) includes a figure of the general plan land use and zoning designations for the proposed 2019 project area. This figure will need to be updated to reflect the 2023 proposed project configuration and layout. Please provide information on existing land uses within one mile of the project. Neither the DEIR Land Use and Planning analysis (TN 248288) nor the 2023 Executive Summary and Project Description (TN 248322) include a description of land uses (residential, recreational, commercial, industrial) within one mile of the project site.	
LU-003	Land Use	Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	TN 248288: DEIR Intro to Environmental Analysis; Section 3.1.4.10 (Land Use and Planning); page 3.1-19 TN 248322: Executive Summary and Project Description; Section 2.3; pages 1 to 2	No	Please provide information on existing land uses within one mile of the project. Neither the DEIR Land Use and Planning analysis (TN 248288) nor the 2023 Executive Summary and Project Description (TN 248322) include a description of land uses (residential, recreational, commercial, industrial) within one mile of the project site.	
LU-004	Land Use	Appendix B (g) (3) (A) (ii)	A discussion of any recent or proposed zone changes and/or general plan amendments; noticed by an elected or appointed board, commission, or similar entity at the state or local level;	TN 248322: Executive Summary and Project Description; Section 1.3.1; pages xi to xiv	Yes	N/A	
LU-005	Land Use	Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	TN 248322: Executive Summary and Project Description; Section 1.3.1; pages xi to xiv	No	N/A	
LU-006	Land Use	Appendix B (g) (3) (A) (iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	TN 248288: DEIR Description of Project and Alternatives; Section 2.2; pages 2-3 to 2-5	No	Please update the Land Use and Zoning Designation figures. The DEIR Project Description (TN 248288) includes figures of the general plan land use and zoning designations for the proposed 2020 project area. These figures will need to be updated to reflect the 2023 proposed project configuration.	
LU-007	Land Use	Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed project with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agencies. The discussion shall identify the need, if any, for land use decisions by another public agency or as part of the commission's decision that would be necessary to make the project conform to adopted federal, state, regional, or local coastal plans, land use plans, or zoning ordinances. Examples of land use decisions include general plan amendments, zoning changes, lot line adjustments, parcel mergers, subdivision maps, Agricultural Land Conservation Act contracts cancellation, and Airport Land Use Plan consistency determinations.	TN 248322: Executive Summary and Project Description; Section 1.3.1; pages xi to xiv TN 248293: CEQA Staff Report; pages 1 to 14 TN 248296: Project Permit Denial; pages 264 to 268	Yes	N/A	
LU-008	Land Use	Appendix B (g) (3) (C)	A discussion of the legal status of the parcel(s) on which the project is proposed. If the proposed site consists of more than one legal parcel, describe the method and timetable for merging or otherwise combining those parcels so that the proposed project, excluding linears	TN 248330: Shasta County Use Permit Application; pdf pages 8 to 16 TN 249296-9: Parcel Owners List	No	Please revise the list of parcels within the project area. The list of parcels within the proposed project area reflects the 2019 proposed project site. The list needs to be	
LU-009	Land Use	Appendix B (g) (3) (D)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	TN 248288: DEIR Description of Project and Alternatives; Section 3.1.4.1; page 3.1-12	No	Please provide map and location information for Prime Farmland. The DEIR Agricultural analysis identifies that there is a 110-acre area of designated Prime Farmland approximately 0.25 mile southeast of a proposed turbine. The analysis concludes that there is no impact to agricultural resources. More information is needed for this analysis, specifically, a map showing the location of the Prime Farmland and the nearest turbine, access road(s), staging areas, etc.	
LU-010	Land Use	Appendix B (g) (3) (D) (i)	Crop types, irrigation systems, and any special cultivation practices;	TN 248288: DEIR Description of Project and Alternatives; Section 3.1.4.1; page 3.1-12	No	Please provide descriptions of agricultural activities. More information is needed to describe the 110-acre area of designated Prime Farmland approximately 0.25 mile southeast of a proposed turbine, and the historic and current agricultural activities occurring in this area. Specifically, the DEIR Agricultural analysis must describe the farming activities (crop type, irrigation systems, any special cultivation practices) for the 110-acre agricultural site.	
LU-011	Land Use	Appendix B (g) (3) (D) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the California Department of Conservation; and	TN 248288: DEIR Description of Project and	No		

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
LU-012	Land Use	Appendix B (g) (3) (D) (iii)	Direct, indirect, and cumulative effects on agricultural land uses. If the proposed site or related facilities are subject to an Agricultural Land Conservation contract, provide a written copy and a discussion of the status of the expiration or canceling of such contract.	TN 248288: DEIR Description of Project and Alternatives; Section 3.1.4.1; page 3.1-12	No	Please provide descriptions of agricultural activities and their locations, and identify whether the 110-acre Prime Farmland site is subject to an Agricultural Land Conservation contract. To identify potential indirect or cumulative impacts to agriculture, the DEIR Agricultural analysis requires more information regarding the type of agricultural activities at the 110-acre Prime Farmland site, and the location of other project disturbance activities (access roads, staging areas) relative to the site. The DEIR Agricultural analysis states that none of the parcels within the proposed project site are subject to a Williamson Act contract. However, the analysis does not identify whether the 110-acre Prime Farmland site that is located 0.25 mile from the nearest turbine is subject to an Agricultural Land Conservation contract.	
LU-013	Land Use	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	TN 248290: Labor Regs Consistency Matrix TN 248288: DEIR Intro to Environmental Analysis; Section 3.1.4.10 (Land Use and Planning); page 3.1-19	No	Please describe the Conditions of Approval for a TPZ. The Shasta County Code sections that were relevant during preparation of the 2020 DEIR and 2021 FEIR are identified in the DEIR's Land Use and Planning section (TN 248288) and in the Law, Ordinance, Regulation, or Standard Consistency Matrix (TN 248290). However, the discussion does not address the ordinance adopted by the Shasta County Board of Supervisors on July 12, 2022 to amend Section 17.88.035 of the Zoning Plan, which currently prohibits the construction of utility-scale wind project in the County.	
LU-014	Land Use	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	TN 248322: Executive Summary and Project Description; Section 5 (Project Permits), Table 3 (List of Potential Permits and Status), pages 16 to 17	Yes	N/A	
LU-015	Land Use	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not Docketed: Fountain Wind Project Draft EIR Chapter 5 (Report Preparation), Section 5.4 (Entities Consulted and Recipients of the Draft EIR and/or the Notice of Availability), pages 5-3 to 5-5 File was obtained from the following site: https://www.shastacounty.gov/planning/page/draft-eir-fountain-wind-project	No	Please provide agency contact information. The DEIR list of federal, state, and local agencies consulted does not include the contact's phone number, address, or email address. The list does not indicate who should serve as the contact person for Commission staff.	
LU-016	Land Use	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	TN 248322: Executive Summary and Project Description; Section 5 (Project Permits), Table 3 (List of Potential Permits and Status), pages 16 to 17	No	Please provide schedule for obtaining permits. The "List of Potential Permits and Status" provided in Table 3 does not identify the steps involved or the schedule for obtaining the permits that are outside the authority of the commission.	

Noise

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
NOI-001	Noise	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Noise Report TN 248290-1 – EXISTING NOISE ENVIRONMENT Noise Report TN 248290-1 – NOISE GENERATED DURING OPERATIONS Noise Report TN 248290-1 – NOISE GENERATED DURING CONSTRUCTION Noise Report TN 248290-1 – RECOMMENDED NOISE REDUCTION MEASURES DEIR Noise And Vibration TN 248288-15 – Sec 3.13.1.2 Environmental Setting - Noise Sources and Levels Environmental Setting – Sensitive Receptors DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3 Direct and Indirect Effects DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3.2 Direct and Indirect Effects of the Project DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3.2 Direct and Indirect Effects of the Project – Mitigation Measure 3.13-2	No	The noise contour maps in Figures 5a and 5b of the Noise Report TN 248290-1 are generated based on the operation of all 72 turbines with maximum capacity of 5.7 MW. However, according to Section 1.1 of the revised Executive Summary and Project Description (TN 248322), the project currently proposes the construction and operation of up to 48 wind turbines, each with a maximum capacity of 7.2 MW. The Sound Pressure Level (SPL) of the proposed wind turbine with a 7.2 MW capacity is not provided in Noise Report (TN 248290-1) or DEIR Noise And Vibration (248288-15). Please also provide the SPL level for this turbine in both dBC and dBA.	
NOI-002	Noise	Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area potentially impacted by the proposed project is that area where, during either construction or operation, there is a potential increase of 5 dB(A) or more, over existing background levels	DEIR Noise And Vibration TN 248288-15 – Sec 3.13.1.2 Environmental Setting – Sensitive Receptors DEIR Noise And Vibration TN 248288-15 – Sec 3.13.1.2 Environmental Setting – Noise Sources and Levels – Figure 3.13-2	Yes	N/A	
NOI-003	Noise	Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for a lesser duration at the applicant's discretion, preferably during the same 25-hour period. The results of the noise level measurements shall be reported as hourly averages in Leq (equivalent sound or noise level), Ldn (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L10, L50, and L90 values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported in units of dB(A).	Noise Report TN 248290-1 – EXISTING NOISE ENVIRONMENT Noise Report TN 248290-1 – EXISTING NOISE ENVIRONMENT – Noise Measurement Results Table 5 Figure 3 DEIR Noise And Vibration TN 248288-15 – Sec 3.13.1.2 Environmental Setting – Noise Sources and Levels DEIR Noise And Vibration TN 248288-15 – Sec 3.13.1.2 Environmental Setting – Noise Sources and Levels TABLE 3.13-2	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
NOI-004	Noise	Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Noise Report TN 248290-1 – NOISE GENERATED DURING OPERATIONS Noise Report TN 248290-1 – NOISE GENERATED DURING OPERATIONS Figure 4 Noise Report TN 248290-1 – NOISE GENERATED DURING CONSTRUCTION Noise Report TN 248290-1 – NOISE GENERATED DURING CONSTRUCTION – TABLE 9 DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3 Direct and Indirect Effects	No	The noise contour maps in Figures 5a and 5b of the Noise Report TN 248290-1 are generated based on the operation of all 72 turbines with maximum capacity of 5.7 MW. However, according to Section 1.1 of the revised Executive Summary and Project Description (TN 248322), the project currently proposes the construction and operation of up to 48 wind turbines, each with a maximum capacity of 7.2 MW. The Sound Pressure Level (SPL) of the proposed wind turbine with a 7.2 MW capacity is not provided in Noise Report (TN 248290-1) or DEIR Noise And Vibration (248288-15). Please also provide the SPL level for this turbine in both dBC and dBA.	
NOI-005	Noise	Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Noise Report TN 248290-1 – NOISE GENERATED DURING OPERATIONS TABLE 6, 7 Figure 5a, 5b Noise Report TN 248290-1 – NOISE GENERATED DURING CONSTRUCTION TABLE 9 DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3 Direct and Indirect Effects – Construction, Decommissioning, and Site Reclamation Noise and Vibration Impacts TABLE 3.13-5 DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3.2 Direct and Indirect Effects of the Project TABLE 3.13-6, 3.13-7 Figure 3.13-3	No	The noise contour maps in Figures 5a and 5b of the Noise Report TN 248290-1 are generated based on the operation of all 72 turbines with maximum capacity of 5.7 MW. However, according to Section 1.1 of the revised Executive Summary and Project Description (TN 248322), the project currently proposes the construction and operation of up to 48 wind turbines, each with a maximum capacity of 7.2 MW. The Sound Pressure Level (SPL) of the proposed wind turbine with a 7.2 MW capacity is not provided in Noise Report (TN 248290-1) or DEIR Noise And Vibration (248288-15). Please also provide the SPL level for this turbine in both dBC and dBA.	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
NOI-006	Noise	Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	Noise Report TN 248290-1 – NOISE GENERATED DURING OPERATIONS Figure 5a, 5b Noise Report TN 248290-1 – NOISE GENERATED DURING CONSTRUCTION DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3.2 Direct and Indirect Effects of the Project Figure 3.13-3	No	The noise contour maps in Figures 5a and 5b of the Noise Report TN 248290-1 are generated based on the operation of all 72 turbines with maximum capacity of 5.7 MW. However, according to Section 1.1 of the revised Executive Summary and Project Description (TN 248322), the project currently proposes the construction and operation of up to 48 wind turbines, each with a maximum capacity of 7.2 MW. The Sound Pressure Level (SPL) of the proposed wind turbine with a 7.2 MW capacity is not provided in Noise Report (TN 248290-1) or DEIR Noise And Vibration (248288-15). Please also provide the SPL level for this turbine in both dBC and dBA.	
NOI-007	Noise	Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	Noise Report TN 248290-1 – NOISE GENERATED DURING OPERATIONS – Onsite Collector Substation and Switching Station Noise Report TN 248290-1 – NOISE GENERATED DURING OPERATIONS – Corona Noise DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3 Direct and Indirect Effects – Onsite Collector Substation and Switching Station Noise DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3 Direct and Indirect Effects – Corona Noise DEIR Noise And Vibration TN 248288-15 – Sec 3.13.3.3 PG&E Interconnection Infrastructure	Yes	N/A	
NOI-008	Noise	Appendix B (i) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	Noise Report TN 248290-1 – REGULATORY BACKGROUND Figure N-1 DEIR Noise And Vibration TN 248288-15 – Sec 3.13.1.3 Regulatory Setting	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
NOI-009	Noise	Appendix B (i) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Noise Report TN 248290-1 – REGULATORY BACKGROUND Figure N-1 TABLE 4 DEIR Noise And Vibration TN 248288-15 – Sec 3.13.1.3 Regulatory Setting	Yes	N/A	
NOI-010	Noise	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and also provide the name of the official who will serve as a contact person for Commission staff.		Yes	N/A	
NOI-011	Noise	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		Yes	N/A	
Paleontological Resources							
PALEO-001	Paleontological Resources	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect, and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing Conditions: DEIR Section 3.9 (Geology and Soils) 1.2.3.2 Analysis of Project Changes: FEIR (Geology, Soils, and Paleontological Resources).	Yes	N/A	
PALEO-002	Paleontological Resources	Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The size of the paleontological study area may vary depending on the depositional history of the region.	Existing Conditions: DEIR Section 3.9 (Geology and Soils) 1.2.3.2 Analysis of Project Changes: FEIR (Geology, Soils, and Paleontological Resources). DEIR 3.1.4.7 Geology and Soils	Yes	N/A	
PALEO-003	Paleontological Resources	Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontological localities or other paleontological resources within or adjacent to the project. Include a discussion of sensitivity for each geologic unit identified on the most recent geologic map at a scale of 1:24,000. Provide rationale as to why the sensitivity was assigned.	DEIR 3.1.4.7 Geology and Soils	Yes	N/A	
PALEO-004	Paleontological Resources	Appendix B (g) (16) (C)	A summary of all local museums, literature searches and field surveys used to provide information about paleontological resources in the project area described in (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	DEIR 3.1.4.7 Geology and Soils	Yes	N/A	
PALEO-005	Paleontological Resources	Appendix B (g) (16) (D)	Information on the specific location of known palaeontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, showing occurrences of fossil finds, if known, within a 1-mile radius of the project and related facilities shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to California Code of Regulations, title 20, section 2501 et seq.	DEIR 3.1.4.7 Geology and Soils	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
PALEO-006	Paleontological Resources	Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known palaeontologic resources, and a set of contingency measures for mitigation of potential impacts to unknown paleontological resources.	N/A	Yes	N/A	
PALEO-007	Paleontological Resources	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	Existing Conditions: DEIR Section 3.9.1.3; includes descriptions of applicable LORS but does not mention paleontology.	Yes	N/A due to the applicants claim that rocks of igneous origins have low to no paleontological potential and sensitivity, due to the extremely high temperatures associated with the formation of the rocks and the nature of lava flows.	
PALEO-008	Paleontological Resources	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state, and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Existing Conditions: DEIR Section 3.9.1.3; includes descriptions of applicable LORS but does not mention paleontology.	Yes	N/A due to the applicants claim that rocks of igneous origins have low to no paleontological potential and sensitivity, due to the extremely high temperatures associated with the formation of the rocks and the nature of lava flows.	
PALEO-009	Paleontological Resources	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Existing Conditions: DEIR Section 3.9.1.3; includes descriptions of applicable LORS but does not mention paleontology.	Yes	N/A due to the applicants claim that rocks of igneous origins have low to no paleontological potential and sensitivity, due to the extremely high temperatures associated with the formation of the rocks and the nature of lava flows.	
PALEO-010	Paleontological Resources	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Existing Conditions: DEIR Section 3.9.1.3; includes descriptions of applicable LORS but does not mention paleontology.	Yes	N/A due to the applicants claim that rocks of igneous origins have low to no paleontological potential and sensitivity, due to the extremely high temperatures associated with the formation of the rocks and the nature of lava flows.	
Public Health							
PH-001	Public Health	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291-4)	Yes	N/A	
PH-002	Public Health	Appendix B (g) (9) (A)	An assessment of the potential risk to human health from the project's hazardous air emissions using the Air Resources Board Hotspots Analysis and Reporting Program (HARP) (HSC sections 44360-44366) or its successor and Approved Risk Assessment Health Values. These values should include the cancer potency values and noncancer reference exposure levels approved by the Office of Environmental Health Hazard Assessment (OEHHA Guidelines, Cal-EPA 2005).	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5); Shasta County DEIR, Section 3.10 Greenhouse Gas Emissions (TN 248288-12); Shasta County DEIR Appendix B Air Quality and Greenhouse Gas Emissions (TN 248291-4)	Yes	N/A	
PH-003	Public Health	Appendix B (g) (9) (B)	A listing of the input data and output results, in both electronic and print formats, used to prepare the HARP health risk assessment.	N/A	Yes	N/A	
PH-004	Public Health	Appendix B (g) (9) (C)	Identification of available health studies through the local public health department concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site related to respiratory illnesses, cancers or related diseases.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5)	Yes	N/A	
PH-005	Public Health	Appendix B (g) (9) (D)	A map showing sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	N/A	Yes	N/A	
N/A	Public Health	Appendix B (g) (9) (D)	For this section, the following definitions apply:	-----	-----	-----	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
PH-006	Public Health	Appendix B (g) (9) (E) (i)	A sensitive receptor refers to infants and children, the elderly, and the chronically ill, and any other member of the general population who is more susceptible to the effects of the exposure than the population at large;	N/A	Yes	N/A	
PH-007	Public Health	Appendix B (g) (9) (E) (ii)	An acute exposure is one that occurs over a time period of less than or equal to one (1) hour; and	N/A	Yes	N/A	
PH-008	Public Health	Appendix B (g) (9) (E) (iii)	A chronic exposure is one that is greater than twelve (12) percent of a lifetime of seventy (70) years.	N/A	Yes	N/A	
PH-009	Public Health	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5)	Yes	N/A	
PH-010	Public Health	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5)	Yes	N/A	
PH-011	Public Health	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5)	Yes	N/A	
PH-012	Public Health	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Shasta County DEIR, Section 3.3 Air Quality (TN 48288-5)	No	Please provide a schedule indicating when the necessary permits from the Shasta County AQMD will be obtained.	
Reliability							
REL-001	Reliability	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Chapter 2: Description of Project Section 2.1: Project Overview Section 2.2: Project Location Section 2.4: Description of the Project Section 2.4.4.3 Operation and Maintenance Facility Section 2.4.5: Site Preparation and Construction	Yes	72 wind turbine includes redundancy	
REL-002	Reliability	Appendix B (h) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	Section 3.7: Energy Section 3.7.3.2: Direct and Indirect Effects of the Project Table 3.7-5: Project Energy Consumption During Operation	Yes	N/A	
REL-003	Reliability	Appendix B (h) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities on consideration of:	Section 2.4.6: Operation and Maintenance	Yes	N/A	
REL-004	Reliability	Appendix B (h) (3) (B) (i)	Expected overall availability factor, and annual and lifetime capacity factors;	Section 3.7.3: Direct and Indirect Effects (Operation and Maintenance)	Yes	The availability factor could be calculated based on expected MWh/yr. Applicant proposes 2,803 hours per year of operation. One year has 8,760 hours, therefore, availability factor = 2,803 / 8,760 = 32%	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
REL-005	Reliability	Appendix B (h) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	Section 2.1: Project Overview Section 2.2: Project Location Section 2.4: Description of the Project Table 2-1: Project Components Section 2.4.1: Wind Turbine Generators Section 2.4.8: Water, Wastewater, Waste, and Hazardous Materials Section 3.11: Hazardous and Hazardous Materials	Yes	N/A	
REL-006	Reliability	Appendix B (h) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	Section 3.9: Geology and Soils Section 3.12: Hydrology and Water Quality	Yes	N/A	
REL-007	Reliability	Appendix B (h) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability including equipment redundancy; and	Section 2.4.1: Wind Turbine Generators	Yes	N/A	
REL-008	Reliability	Appendix B (h) (3) (B) (v)	For technologies not previously installed and operated in California, the expected power plant maturation period.	N/A	N/A	N/A	
REL-009	Reliability	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	N/A	N/A	N/A	
REL-010	Reliability	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	N/A	N/A	N/A	
REL-011	Reliability	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	N/A	N/A	N/A	
REL-012	Reliability	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	N/A	
Socioeconomics							
SOC-001	Socioeconomics	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	TN 248292-2: Economic and Public Revenue Impact Study; pages 2-4 (Tables 4 and 5) TN 248293-2: CEQA Staff Report; pages 1-3, 8-10 TN 248288-17L: DEIR Utilities and Service Systems; page 12	No	Please provide the cumulative impact assessment for population/housing, recreation, and public services. A discussion of the cumulative impacts for Utilities and Service Systems has been provided. Please provide similar detail for cumulative analyses of other socioeconomic sections (i.e., population/housing, recreation, and public services) based on an up-to-date cumulative scenario.	
SOC-002	Socioeconomics	Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	TN 248293-2: CEQA Staff Report; pages 8-9 TN 248320-2: Figure – Disadvantaged Communities	No	See below.	
SOC-003	Socioeconomics	Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;		No	Please provide a discussion of economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues.	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
SOC-004	Socioeconomics	Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	TN 248288-3 : DEIR Intro Environmental Analysis; page 21 TN 248320-2: Figure – Disadvantaged Communities	No	Please provide discussion of demographic and community trends, including the following: * Provide the low-income population percentage living in the county and communities closest to project site. * Provide the minority population percentage living in the county and communities closest to project site. A figure for disadvantaged communities is provided but information on the population percentages or the number of people included in the highlighted regions is not provided. Please provide this information.	
SOC-005	Socioeconomics	Appendix B (g) (7) (A) (iii)	Existing unemployment rates;	TN 248288-3 DEIR Intro Environmental Analysis; page 21	Yes	N/A	
SOC-006	Socioeconomics	Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	TN 248288-3: DEIR Intro Environmental Analysis; page 21 TN 248292-2: Economic and Public Revenue Impact Study; page 7	No	Please provide information on the skilled workers by craft required for construction. Please include the specific job types and number anticipated for construction and operation. Please provide information on the county's availability for each type of skilled worker, or where this labor force is anticipated to come from and the associated commute shed for the labor force.	
SOC-007	Socioeconomics	Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing and current vacancy rate; and	TN 248288-3: DEIR Intro Environmental Analysis; page 21	No		
SOC-007	Socioeconomics	Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes for the duration of the project schedule.	TN 248288-3: DEIR Intro Environmental Analysis; pages 22-26 TN 248322: Executive Summary and Project Description; pages 14-15 TN 248288-2: DEIR Description of Project and Alternatives; pages 24-25	No	Please provide response time goals/capacities/ability to meet response goals for public safety. Please provide a discussion with level of detail similar to that provided for utilities for the fire protection, law enforcement, and medical facilities.	
SOC-008	Socioeconomics	Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project (note year of estimate, model, if used, and appropriate sources), including:	TN 248292-2: Economic and Public Revenue Impact Study; page 5	Yes	N/A	
SOC-009	Socioeconomics	Appendix B (g) (7) (B) (i)	An estimate of the number of workers to be employed each month by craft during construction, and for operations, an estimate of the number of permanent operations workers during a year;	TN 248292-2: Economic and Public Revenue Impact Study; pages 2, 4, 7 TN 248288-3: DEIR Intro Environmental Analysis; page 21 TN 248322: Executive Summary and Project Description; page 12-13	No	Please clarify the estimated number of workers to be employed during construction and by year during operations. Please provide the number of operation-related jobs (several different numbers such as 8, 12, or 42 have been provided in different docketed files). Table 1 in the Economic and Public Revenue Impact Study assumes that there will be 42 annual operations jobs. However, page 4 estimates 8 full-time employees throughout the project lifetime. Page 13 of the Executive summary and project description states the project operation would require up to 12 full-time employees. Page 4 of the Economic and Public Revenue Impact Study states there will be a peak of 200 workers/month and an average of 71 full time workers each year during the construction phase. Page 12 of the Executive Summary and Project Description states that the project would require up to 400 workers. Please include the estimated number of workers by month and specific craft to be employed each month during construction and by year during operations.	
SOC-010	Socioeconomics	Appendix B (g) (7) (B) (ii)	An estimate of the percentage of non-local workers who will relocate to the project area to work on the project;	TN 248288-3: DEIR Intro Environmental Analysis; page 21	Yes	N/A	
SOC-011	Socioeconomics	Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	TN 248288-3: DEIR Intro Environmental Analysis; page 21	Yes	N/A	
SOC-012	Socioeconomics	Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	TN 248288-3: DEIR Intro Environmental Analysis; page 21	Yes	N/A	
SOC-013	Socioeconomics	Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water, and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. Include response times to hospitals and for police, and emergency services. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operating phases;	TN 248288-3: DEIR Intro Environmental Analysis; pages 22-26 TN 248322: Executive Summary and Project Description; page 15 TN 248288-17: DEIR Utilities and Service Systems; pages 3.15-2, 3.15-9	No	Please provide current response times to hospitals and for police and emergency services. Please provide a discussion with level of detail similar to that provided for utilities for the response times for fire protection, law enforcement, and medical facilities. Please include a discussion of the potential impacts.	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
SOC-014	Socioeconomics	Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	No docketed files provided	No	This data was not found. If not applicable, explain why.	
SOC-015	Socioeconomics	Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and separate estimates of the total operation payroll for permanent and short-term (contract) operations employees;	TN 248292-2: Economics Memo; page 2 (Table 1), Table A-3	No	Please confirm if the estimate of construction payroll and operation payroll is based on the correct number of workers. Table 1 in the Economic and Public Revenue Impact Study assumes that there will be 42 annual operations jobs. However, page 4 estimates 8 full-time employees throughout the project lifetime. Page 13 of the Executive summary and project description states the project operation would require up to 12 full-time employees. Page 4 of the Economic and Public Revenue Impact Study states there will be a peak of 200 workers/month and an average of 71 full time workers each year during the construction phase. Page 12 of the Executive Summary and Project Description states that the project would require up to 400 workers.	
SOC-016	Socioeconomics	Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project;	TN 248292-2: Economics Memo; Table A-1	Yes	N/A	
SOC-017	Socioeconomics	Appendix B (g) (7) (B) (ix)	An estimate of the capital cost (plant and equipment) of the project;	No docketed files provided	No	Please provide an estimate of the capital cost (plant and equipment) of the project.	
SOC-018	Socioeconomics	Appendix B (g) (7) (B) (x)	An estimate of sales taxes generated during construction and separately during an operational year of the project;	TN 248292-2: Economics Memo; Table A-1	Yes	N/A	
SOC-019	Socioeconomics	Appendix B (g) (7) (B) (xi)	An estimate of property taxes generated during an operational year of the project; and	TN 248292-2: Economics Memo; Table A-2	Yes	N/A	
SOC-020	Socioeconomics	Appendix B (g) (7) (B) (xii)	The expected direct, indirect, and induced income and employment effects due to construction, operation, and maintenance of the project.	TN 248292-2: Economics Memo; page 2 (Table 1), page 7 (Tables 4 and 5)	No	Please confirm that the model used to predict the expected direct, indirect, and induced income and employment effects due to construction, operation, and maintenance of the project is based on the correct employment assumptions. Table 1 in the Economic and Public Revenue Impact Study assumes that there will be 42 annual operations jobs. However, page 4 and Table 5 estimate 8 full-time employees throughout the project lifetime. Page 13 of the Executive summary and project description states the project operation would require up to 12 full-time employees. Page 4 of the Economic and Public Revenue Impact Study states there will be a peak of 200 workers/month and an average of 71 full time workers each year during the construction phase. Page 12 of the Executive Summary and Project Description states that the project would require up to 400 workers.	
SOC-021	Socioeconomics	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	TN 248290: Labor Regs Consistency Matrix	No	The Law, Ordinance, Regulation, or Standard Consistency Matrix (TN 248290) does not identify the specific Shasta County Code ordinances or standards that are applicable during construction and operation of the proposed facility.	
SOC-022	Socioeconomics	Appendix B (i) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Noise Report TN 248290-1 – REGULATORY BACKGROUND Figure N-1 TABLE 4 DEIR Noise And Vibration TN 248288-15 – Sec 3.13.1.3 Regulatory Setting	No		
SOC-023	Socioeconomics	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not Docketed: Fountain Wind Project Draft EIR Chapter 5 (Report Preparation), Section 5.4 (Entities Consulted and Recipients of the Draft EIR and/or the Notice of Availability), pages 5-3 to 5-5 File was obtained from the following site: https://www.shastacounty.gov/planning/page/draft-eir-fountain-wind-project	No	Please provide agency contact information. The DEIR list of federal, state, and local agencies consulted does not include the contact's phone number, address, or email address. The list does not indicate who should serve as the contact person for Commission staff.	
SOC-024	Socioeconomics	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	Please provide schedule for obtaining permits. The "List of Potential Permits and Status" provided in Table 3 does not identify the steps involved or the schedule for obtaining the permits that are outside the authority of the commission.	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
SOILS-001	Soils	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 3.15.3.2, Direct and Indirect Effects of the Project Page: 3.15-7	Yes	N/A	
SOILS-002	Soils	Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:		No	There does not appear to be text or a map addressing soil types and agricultural land used in Section 3.9 <i>Geology and Soils</i> . Provide the required information.	
SOILS-003	Soils	Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil;		No	Map addressing erodibility of soil in Section 3.9 <i>Geology and Soils</i>	
SOILS-004	Soils	Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system;	Figure 3.9-2 <i>Corrosion of Concrete and Steel</i>	No	Map addressing physical and chemical characteristics of soil	
SOILS-005	Soils	Appendix B (g) (15) (A) (iii)	The location of any proposed fill disposal or fill procurement (borrow) sites; and		N/A		
SOILS-006	Soils	Appendix B (g) (15) (A) (iv)	The location of any contaminated soils that could be disturbed by project construction.	EDR Database Search Results (TN 248290-2)	No		
SOILS-007	Soils	Appendix B (g) (15) (B)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:		No	Discussion of the impact to soil with respect to agricultural land use	
SOILS-008	Soils	Appendix B (g) (15) (B) (i)	The quantification of accelerated soil loss due to wind and water erosion; and		No	Discussion of the impact to soil with respect to agricultural land use	
SOILS-009	Soils	Appendix B (g) (15) (B) (ii)	The effect of power plant emissions on surrounding soil-vegetation systems		No		
SOILS-010	Soils	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and		No	Table of LORS	
SOILS-011	Soils	Appendix B (i) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.				
SOILS-012	Soils	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.				
SOILS-013	Soils	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	Schedule of permit issuance	
Transmission Line Safety and Nuisance							
TLSN-01	Trans Line Safety & Nuisance	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Executive Summary and Project Description (TN 248322)	Yes	N/A	
TLSN-02	Trans Line Safety & Nuisance	Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Executive Summary and Project Description (TN 248322), Figure - Parcels within 1000 ft (TN 248296-10),	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
TLSN-03	Trans Line Safety & Nuisance	Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Executive Summary and Project Description (TN 248322); DEIR Communications Interference (TN 248288-7)	No	Please provide the information required by Appendix B (g)(18)(B) for the onsite 34.5- kilovolt (kV) overhead electrical systems used to connect turbines together, the on-site switching station used to connect the project to the existing grid, and any other transmission lines or project components that could contribute to electric and magnetic fields.	
TLSN-04	Trans Line Safety & Nuisance	Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Executive Summary and Project Description (TN 248322); DEIR Communications Interference (TN 248288-7)	No	Please provide the information required by Appendix B (g)(18)(C)	
TLSN-05	Trans Line Safety & Nuisance	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	Executive Summary and Project Description (TN 248322); DEIR Communications Interference (TN 248288-7)	Yes	N/A	
TLSN-06	Trans Line Safety & Nuisance	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Executive Summary and Project Description (TN 248322)	Yes	N/A	
TLSN-07	Trans Line Safety & Nuisance	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	N/A	Yes	N/A	
TLSN-08	Trans Line Safety & Nuisance	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	Yes	N/A	
Traffic and Transportation							
TRAF-001	Traffic and Transportation	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	TN 248288-16: DEIR Transportation; Section 3.14.3.2, Pages 3.14-10 – 3.14-16 TN 248288-14: DEIR Greenhouse Gas Emissions; Section 3.10.3.2, Pages 3.10-17 – 3.14-19 NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 17 File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf	No	Please expand the analysis of Impact 3.14-2 Impact 3.14-2 of Section 3.14.3 (Direct and Indirect Effects) presents the analysis of the project relative to CEQA Guidelines Section 15064.3(b), which relates to the evaluation of a project's transportation impacts. Specifically, analysis using vehicle miles of travel (VMT) is identified as the most appropriate measure for the analysis of transportation impacts. The analysis of Impact 3.14-2 relies on GHG analysis in Section 3.10, GHG Emissions, since the intent of SB 743 is to encourage land use and transportation planning decisions and investments that reduce VMT, thereby reducing GHG emissions. As explained in Section 3.14-2, absent an adopted VMT threshold, the County decided to rely on an established environmental standard that is protective of resources of legislative concern. The less-than-significant impact finding is in part a result of a potential net offset of annual CO2e emissions with implementation (i.e., due to ongoing power generation). The VMT analysis demonstrates that the project will result in a short-term increase in VMT during construction. However, no discussion or analysis is presented of potential TDM strategies (carpooling, ridesharing, etc) or other measures that could be implemented to reduce VMT during construction, although identified in Appendix H, Page 17.	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
TRAF-002	Traffic and Transportation	Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	TN 248288-16: DEIR Transportation; Section 3.14.1.3 (Regulatory Setting), Page 3.14-5 TN 248320-3-16: Traffic Report; Page 8 (Exhibit 1) NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 20 (Exhibit 1) File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf	No	Please update Section 3.14.1.3 (Regulatory Setting) of the DEIR Transportation Section. The Regulatory Setting should include reference to the Regional Transportation Plan & Sustainable Communities Strategy for the Shasta Region and Caltrans Transportation Concept Reports for each State route in the study area. Also please verify the scale of Exhibit 1 of the Traffic report.	
TRAF-003	Traffic and Transportation	Appendix B (g) (5) (B)	If the proposed project including any linear facility is to be located within 20,000 feet of an airport runway that is at least 3,200 feet in actual length, or 5,000 feet of a heliport (or planned or proposed airport runway or an airport runway under construction, that is the subject of a notice or proposal on file with the Federal Aviation Administration), discuss the project's compliance with the applicable sections of the current Federal Aviation Regulation Part 77 – Objects Affecting Navigable Airspace, specifically any potential to obstruct or impede air navigation generated by the project at operation; such as, a thermal plume, a visible water vapor plume, glare, electrical interference, or surface structure height. The discussion should include a map at a scale of 1:24,000 that displays the airport or airstrip runway configuration, the proposed power plant site and related facilities.	TN 248288-16: DEIR Transportation; Section 3.14.1.2 (Environmental Setting), Page 3.14-4 TN 248290-4: FAA Determination of No Hazard TN 248320-3-16: Traffic Report; Page 8 (Exhibit 1) NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 20 (Exhibit 1) File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf	Yes	N/A	

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TRAF-004	Traffic and Transportation	Appendix B (g) (5) (C)	An identification, on topographic maps at a scale of 1:24,000, and a description of existing and planned roads, rail lines, (including light rail), bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following, where applicable:	<p>TN 248288-16: DEIR Transportation; Section 3.14.1.2 (Environmental Setting), Page 3.14-2</p> <p>TN 248320-3-16: Traffic Report, Page 1-2</p> <p>NOT DOCKETED:</p> <p>Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 1-2</p> <p>File was obtained from the following site on 1/30/2023:</p> <p>https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf</p>	No	<p>Please expand the description of regional and local roadways affected and/or serving the proposed project. For logical study segments, the descriptions should summarize the roadway functional classification number of directional travel lanes, posted speed limits, average daily traffic volumes served, applicable weight restrictions, and truck route designation.</p> <p>Also please verify the scale of Exhibit 1 of the Traffic report.</p>	
TRAF-005	Traffic and Transportation	Appendix B (g) (5) (C) (i)	Road classification and design capacity;	<p>TN 248288-16: DEIR Transportation; Section 3.14.1.2 (Environmental Setting), Page 3.14-4 (Table 3.14-2)</p> <p>NOT DOCKETED:</p> <p>Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 2-3.</p> <p>File was obtained from the following site on 1/30/2023:</p> <p>https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf</p>	No	<p>Please update the capacities documented in Table 3.14-2. The hourly capacities presented are base capacity values, representative of ideal conditions. Base capacities do not account for the impacts of heavy vehicles, grades or other sources of friction that will lower the capacity of a freeway or highway lane.</p>	

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TRAF-006	Traffic and Transportation	Appendix B (g) (5) (C) (ii)	Current daily average and peak traffic counts;	<p>TN 248288-16: DEIR Transportation; Section 3.14.1.2 (Environmental Setting), Page 3.14-2 – 3.14-4, (Table 3.14-1 and Table 3.14-2)</p> <p>TN 248320-3-16: Traffic Report, Page 8 (Exhibit 2)</p> <p>NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 2-3, Page 21-22 (Exhibit 2)</p> <p>File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf</p>	No	<p>Please collect new average daily vehicle traffic counts. Traffic data from Caltrans Traffic Census Program, representing 2017 conditions, is documented. The data provided through the Caltrans Traffic Census Program are traffic volume estimates and not actual counts. In addition, the data is pre COVID-19 Pandemic and does not capture post pandemic changes in travel behavior. 24-hour vehicle classification traffic counts should be collected (in 15-minute increments) for a minimum three days (Tuesday, Wednesday, Thursday), during a representative time of year.</p>	
TRAF-007	Traffic and Transportation	Appendix B (g) (5) (C) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	<p>TN 248288-16: DEIR Transportation; Section 3.14.1.2 (Environmental Setting), Page 3.14-3 – 3.14-4, (Table 3.14-2)</p> <p>NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 12-16</p> <p>File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf</p>	No	<p>Please update roadway capacity and intersection operations analysis. As outlined above, the roadway capacity analysis was conducted using base capacity values that do not account for the impacts of heavy vehicles, grades or other sources of friction that will lower the capacity of a freeway or highway lane. In addition, the analysis needs to be updated based on new traffic count data.</p>	

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TRAF-008	Traffic and Transportation	Appendix B (g) (5) (C) (iv)	Weight and load limitations;	<p>TN 248288-16: DEIR Transportation; Section 3.14.1.2 (Environmental Setting), Page 3.14-2</p> <p>TN 248320-3-16: Traffic Report, Page 1-2</p> <p>NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 1-2</p> <p>File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf</p>	No	<p>Please expand the description of regional and local roadways affected and/or serving the proposed project. Identify weight and load limitations on study roadways.</p>	
TRAF-009	Traffic and Transportation	Appendix B (g) (5) (C) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	<p>TN 248288-16: DEIR Transportation; Section 3.14.1.2 (Environmental Setting), Page 3.14-2 – 3.14-3</p> <p>NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 2-3.</p> <p>File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf</p>	No	<p>Please collect new average daily vehicle traffic counts. The heavy vehicle percentages from Caltrans Traffic Census Program on SR 299 are provided. The data is pre COVID-19 Pandemic and does not capture post pandemic changes in travel behavior. 24-hour vehicle classification traffic counts should be collected (in 15-minute increments) for a minimum three days (Tuesday, Wednesday, Thursday), during a representative time of year when construction is anticipated.</p>	

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TRAF-010	Traffic and Transportation	Appendix B (g) (5) (C) (vi)	An identification of any road features affecting public safety.	TN 248288-16: DEIR Transportation; Section 3.14.1.2 (Environmental Setting), Page 3.14-2 – 3.14-4, Section 3.14.3.2 (Page 3.14-13 – 3.14-15) TN 248320-3-16: Traffic Report, Page 1-2 NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11, 2020, Page 2-3 File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf	No	Please collect collision records on study roadways. Collect and map the most recent 3- year collision data available for the study corridors to identify locations where road features or characteristics may be affecting public safety. Expand impact discussion Impact 3.14-3 to incorporate relevant findings of collision analysis.	
TRAF-011	Traffic and Transportation	Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified in (g)(5)(C). Also include anticipated project specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in (g)(5)(C).	TN 248288-16: DEIR Transportation NOT DOCKETED: Fountain Wind Project Draft EIR Appendix H (Transportation), Westwood Traffic Study, Fountain Wind Power, Shasta County, California, February 11 File was obtained from the following site on 1/30/2023: https://www.shastacounty.gov/sites/default/files/fileattachments/planning/page/3361/appendix_h_transportation.pdf	No	Please see above.	
TRAF-012	Traffic and Transportation	Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	TN 248288-13: DEIR Hazards and Hazardous Materials; Section 3.11.3.2, Page 3.11-9 – 3.11-10 TN 248288-16: DEIR Transportation; Section 3.14.3.2, Page 3.14-13 TN 248288-2: DEIR Description of Project and Alternatives; Section 2.4.8.3, Table 2-3 (Hazardous Materials), Pages 2-26	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
TRAF-013	Traffic and Transportation	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	TN 248290: Labor Regs Consistency Matrix	No	The Law, Ordinance, Regulation, or Standard Consistency Matrix (TN 248290) does not identify the specific Shasta County Code ordinances or standards that are applicable during construction and operation of the proposed facility.	
TRAF-014	Traffic and Transportation	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	TN 248322: Executive Summary and Project Description; pages 16-17 (Table 3)	Yes	N/A	
TRAF-015	Traffic and Transportation	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not Docketed: Fountain Wind Project Draft EIR Chapter 5 (Report Preparation), Section 5.4 (Entities Consulted and Recipients of the Draft EIR and/or the Notice of Availability), pages 5-3 to 5-5 File was obtained from the following site: https://www.shastacounty.gov/planning/page/draft-eir-fountain-wind-project	No	Please provide agency contact information. The DEIR list of federal, state, and local agencies consulted does not include the contact's phone number, address, or email address. The list does not indicate who should serve as the contact person for Commission staff.	
TRAF-016	Traffic and Transportation	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	TN 248322: Executive Summary and Project Description; Section 5 (Project Permits), Table 3 (List of Potential Permits and Status), pages 16 to 17	No	Please provide schedule for obtaining permits. The "List of Potential Permits and Status" provided in Table 3 does not identify the steps involved or the schedule for obtaining the permits that are outside the authority of the commission.	
Transmission System Design							
TSD-01	Transmission System Design	Appendix B (h) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	DEIR Description of Project and Alternatives Section 2 Section 2.3 Section 2.4.2	Yes	N/A	
TSD-02	Transmission System Design	Appendix B (h) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	DEIR Description of Project and Alternatives Section 2	Yes	N/A	
TSD-03	Transmission System Design	Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators.	DEIR Description of Project and Alternatives Section 2 Section 2.4.3 Figure 2-4b CEQA Initial Study Figure 5 Figure 6	No	Provide one-line diagrams for the new switching station. Show all equipment ratings including bay arrangement of the breakers, disconnect switches, buses. Show the interconnection to the PG&E transmission system and the project substation. Provide one-line diagrams for the project substation. Show all equipment ratings including transformers, circuit breakers, disconnect switches, which are required for the project interconnection to the switching station. Show the interconnection to the switching station and the overhead and underground collector lines. Show all lines voltages. Provide the 230 kV transmission poles configuration which required to support the overhead conductor to connect the project to the switching station and the existing PG&E 230 kV transmission lines. Provide the underground cable types, their current carrying capacities and size.	
TSD-04	Transmission System Design	Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	CEQA Initial Study Section 2.4.2.2 Figure 2-2	Yes	N/A	

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TSD-05	Transmission System Design	Appendix B (b) (2) (E)	<p>A completed System Impact Study or signed System Impact Study Agreement with the California Independent System Operator and proof of payment. When not connecting to the California Independent System Operator controlled grid, provide the executed System Impact Study agreement and proof of payment to the interconnecting utility.</p> <p>If the interconnection and operation of the proposed project will likely impact an transmission system that is not controlled by the interconnecting utility (or California Independent System Operator), provide evidence of a System Impact Study or agreement and proof of payment (when applicable) with/to the impacted transmission owner or provide evidence that there are no system impacts requiring mitigation.</p>	Interconnection Memo	No	<p>Provide the California ISO Cluster Studies.</p> <p>Provide the most recent California ISO reassessment documentation.</p> <p>Provide the executed Large Generator Interconnection Agreement and any subsequent California ISO documentation related to and required for the interconnection of the project. If these documents indicate the project would cause transmission line overloads which might require transmission line reconductoring or other significant downstream transmission upgrades, a general CEQA analysis of these facilities will be required.</p>	
TSD-06	Transmission System Design	Appendix B (i) (1) (A)	<p>Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and</p>		No	<p>Provide CPUC G.O. 95 and G.O 128 rules for overhead and underground electric line construction and provide a brief discussion.</p>	
TSD-07	Transmission System Design	Appendix B (i) (1) (B)	<p>Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.</p>	CEQA Initial Study Section 5 Table 3	Yes	N/A	
TSD-08	Transmission System Design	Appendix B (i) (2)	<p>The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.</p>		No	<p>Provide names, phone numbers, address and email address of the official contact person of each agency.</p>	
TSD-09	Transmission System Design	Appendix B (i) (3)	<p>A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.</p>	Interconnection Memo	Yes	N/A	
Visual Resources							

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VIS-01	Visual Resources	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	TN 248288-4: DEIR Visual Resources Sections 3.2.2.1 Study Area, 3.2.2.2 Environmental Setting, 3.2.4.2 Direct and Indirect Effects of the Project, and 3.2.5 Cumulative Impacts TN 248320-10: Shadow Flicker Rev. 2 TN 248320-13: Visual Resources Technical Report Rev. 2, Sections 2.2 Setting, 4.0 Affected Environment, 5.0 Results and Discussion, and 5.4 Potential Mitigation TN 248330-2: Project Refinement Memo, Section 2.6 Visual Resources and 3.0 Conclusions	No	<ul style="list-style-type: none"> The current impact analysis addresses the previous project and must be revised to address the currently proposed project. The selected seven KOPs are inadequate to support the present analysis and must be revised/augmented. Specifically: <ul style="list-style-type: none"> Of the original seven KOPs, only two (KOPs 1 and 2) are close enough to the project such that turbines could be perceived. A better balance of distant and proximal viewing locations needs to be represented in the selection of KOPs in order to accurately characterize Aesthetics impacts on public views. For example, a portion of the B turbine string is within one mile of SR 299. That segment of SR 299 and may be an appropriate location for a representative KOP if project visibility can be demonstrated. Under the currently proposed project design, KOP 1 is no longer orientated toward the project and must either be reoriented or replaced such that the project is visible in the frame of view. The visual simulations provided to support the impact analysis are inadequate in terms of quality, content, and format and must be revised and/or <ul style="list-style-type: none"> The resolution of the provided images is so low that the turbines described in the text and captions as being visible are minimally discernible. In some simulations, the color of the turbines does not appear as bright (white) as one would expect for turbines not being backlit by the sun. This artificially reduces structure visibility. Full-page, color photographs of the existing views and visual simulations of the proposed project at life-size scale (when the picture is held 10 inches from the viewer's eyes) have not been provided as required in the Siting Regulations Appendix B (g) (6) (F) and must be submitted. The DEIR acknowledges that vegetationcleared corridors may be detectable in long distance views and states that minimal visual contrast would result. However, there is no analysis or simulations to support this conclusion. Therefore, an evaluation of the considerable vegetation clearance that is proposed for the Overhead Collector Corridors and for Road Widening shall be provided. If any in-line views of a cleared linear corridor are visible from a public vantage point, a representative KOP shall be established, and a simulation shall be prepared. <p>Proposed night lighting at the project site is insufficiently described to support the stated conclusion that lighting impacts would be less than significant. All proposed lighting with the potential to be viewed by the public beyond the project boundary must be described and mapped. Further, lighting mitigation measures need to be identified where night lighting has the potential to be viewed by the public. In those cases, a night lighting mitigation plan shall be provided.</p>	
VIS-02	Visual Resources	Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the proposed project site and the proposed routes for any project-related linear facilities. Include:	TN 248288-4: DEIR Visual Resources Sections 3.2.2.1 Study Area and 3.2.2.2 Environmental Setting TN 248320-13: Visual Resources Technical Report Rev. 2, Sections 2.2 Setting and 4.0 Affected Environment TN 248330-2: Project Refinement Memo, Sections 1.1 Refinements, 2.6 Visual Resources, and 3.0 Conclusions	No	<ul style="list-style-type: none"> * Descriptions and maps of the proposed overhead electrical collector routes to be cleared of vegetation and existing roadways to be widened shall be provided. * If any in-line views of a cleared linear corridor are visible from a public vantage point, a representative KOP shall be established, and a simulation shall be prepared. 	
VIS-03	Visual Resources	Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 that depict directions from which the project would be seen, the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(C); and	TN 248330-2: Project Refinement Memo, Figures 5a, 5b, and 5d through 5g	No	<ul style="list-style-type: none"> Maps provided are at scales ranging from 1:60,000 to 1:506,880. These maps shall be revised to reflect the location and view direction of existing, revised, or replaced KOPs. The scale of the maps can be deemed acceptable with the submission of a kmz file depicting the locations of the 48 proposed turbines, the linear areas to be cleared of vegetation (electrical collector corridors and roads to be widened), all other project ancillary structures/facilities, and the final KOPs. 	

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VIS-04	Visual Resources	Appendix B (g) (6) (A) (ii)	Description of the existing visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities, including existing water vapor plumes, above-ground electrical transmission lines, and nighttime lighting levels in the project viewshed.	TN 248288-4: DEIR Visual Resources Sections 3.2.2.1 Study Area and 3.2.2.2 Environmental Setting TN 248320-13: Visual Resources Technical Report Rev. 2, Sections 2.2 Setting, 4.0 Affected Environment, and 5.0 Results and Discussion TN 248330-2: Project Refinement Memo, Sections 2.6 Visual Resources and 3.0 Conclusions	No	A description of the extent of night lighting (including FAA lighting) associated with the Hatchet Ridge Wind Project shall be provided. A description of the existing transmission lines that are in the project vicinity and/or within the same frame of view from each of the KOPs shall be provided.	
VIS-04	Visual Resources	Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that would be affected by the proposed project. For projects proposed to be located within the coastal zone, the assessment should also describe how the proposed project would be sited to protect views to and along the ocean and scenic coastal areas, would minimize the alteration of natural landforms, would be visually compatible with the character of surrounding areas.	TN 248288-4: DEIR Visual Resources Sections 3.2.2.1 Study Area and 3.2.2.2 Environmental Setting TN 248320-13: Visual Resources Technical Report Rev. 2, Sections 2.2 Setting, 4.0 Affected Environment, and 5.0 Results and Discussion TN 248330-2: Project Refinement Memo, Sections 2.6 Visual Resources and 3.0 Conclusions	Yes	N/A	
VIS-05	Visual Resources	Appendix B (g) (6) (C)	In consultation with Commission staff, identify: i) designated scenic roadways or scenic corridors and any visually sensitive areas that would be affected by the proposed project, including recreational and residential areas; and ii) the locations of the key observation points to represent the most critical viewing locations from which to conduct detailed analyses of the visual impacts of the proposed project. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. Also identify any major public roadways and trails of local importance that would be visually impacted by the project and indicate the types of travelers (that is, residents, recreationists, workers, commuters, etc.) and the approximate number of vehicles, bicyclists, and/or hikers per day.	TN 248288-4: DEIR Visual Resources Sections 3.2.2.1 Study Area and 3.2.2.2 Environmental Setting TN 248320-13: Visual Resources Technical Report Rev. 2, Sections 2.2 Setting, 4.0 Affected Environment, and 5.0 Results and Discussion TN 248330-2: Project Refinement Memo, Sections 2.6 Visual Resources and 3.0 Conclusions	No	* The selected seven KOPs are inadequate to support the present analysis and must be revised/augmented. Specifically: - Of the original seven KOPs, only two (KOPs 1 and 2) are close enough to the project such that turbines could be perceived. A better balance of distant and proximal viewing locations needs to be represented in the selection of KOPs in order to accurately characterize Visual Resources impacts on public views. For example, a portion of the B turbine string is within one mile of SR 299. That segment of SR 299 may be an appropriate location for a representative KOP if project visibility can be demonstrated. - Under the currently proposed project design, KOP 1 is no longer oriented toward the project and must either be re-oriented or replaced such that the project is visible in the frame of view. * The approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project shall be indicated in the analysis. The types of travelers (that is, residents, recreationists, workers, commuters, etc.) and the approximate number of vehicles, bicyclists, and/or hikers per day shall be included.	

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VIS-06	Visual Resources	Appendix B (g) (6) (D)	A table providing the dimensions (height, length, and width, or diameter) and, proposed color(s), materials, finishes, patterns, and other proposed design characteristics of each major component visible from off the project site, including any project-related electrical transmission line and/or offsite aboveground pipelines and metering stations.	TN 248288-2: DEIR Section 2.4.1, Figure 2-4a: Typical Wind Turbine and Figure 6: Typical Overhead Collector Line Pole TN 248288-4: DEIR Visual Resources Sections 3.2.2 Setting and 3.2.4 Direct and Indirect Effects TN 248297-2: CEQA Initial Study, Figure 6: Typical Overhead Collector Line Pole TN 248320-13: Visual Resources Technical Report Rev. 2 TN 248322: Executive Summary and Project Description, Sections 3.1 Wind Turbine Generators; 4.1.2 Overhead Collector System; 4.2 Substation, Switching Station, and Interconnection Facilities; 4.3.1 Access Roads; 4.3.3 O&M Facility; and 4.3.4 Meteorological Equipment TN 248330-2: Project Refinement Memo, Section 2.6 Visual Resources and Section 3.0 Conclusions	No	A table that describes the dimensions (height, length, and width, or diameter) and proposed color(s), materials, finishes, patterns, and other proposed design characteristics of each major component visible from public viewpoints beyond the project site shall be provided. The table shall include wind turbines, electrical collector lines, operations and maintenance buildings, meteorological towers, and any other built project components that would be visible to the public.	
VIS-07	Visual Resources	Appendix B (g) (6) (E)	Provide the cooling tower and heat recovery steam generator (HRSG) exhaust design parameters that affect visible plume formation. For the cooling tower, data shall include heat rejection rate, exhaust temperature, exhaust mass flow rate, liquid to gas mass flow ratio, and, if the tower is plume-abated, moisture content (percent by weight) or plume-abated fogging curve(s). The parameters shall account for a range of ambient conditions (temperature and relative humidity) and proposed operating scenarios, such as duct	Not Applicable	N/A	Not Applicable	
VIS-08	Visual Resources	Appendix B (g) (6) (F)	i) Provide: full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project at life-size scale when the picture is held 10 inches from the viewer's eyes, including any project-related electrical transmission lines, in the existing setting from each key observation point. If any landscaping is proposed to comply with zoning requirements or to mitigate visual impacts, include the landscaping in simulation(s) representing sensitive area views, depicting the landscaping five years after installation; and estimate the expected time until maturity is reached.	TN 248320-13: Visual Resources Technical Report Rev. 2 TN 248330-2: Project Refinement Memo, Figures 5a, 5b, and 5d through 5g	No	o The visual simulations provided to support the impact analysis are inadequate in terms of quality, content, and format and must be revised and/or replaced to correct the following inadequacies: The resolution of the provided images is so low that the turbines described in the text and captions as being visible are minimally discernible. In some simulations, the color of the turbines does not appear as bright (white) as one would expect for turbines not being backlit by the sun. This artificially reduces structure visibility. Full-page, color photographs of the existing views and visual simulations of the proposed project at life-size scale (when the picture is held 10 inches from the viewer's eyes) have not been provided as required in the Siting Regulations Appendix B (g) (6) (F), and must be submitted.	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
VIS-09	Visual Resources	Appendix B (g) (1)	An assessment of the visual impacts of the project, including light, glare, and any modeling of visible plumes. Include a description of the method and identify any computer model used to assess the impacts. Provide an estimate of the expected frequency and dimensions (height, length, and width) of the visible cooling tower and/or exhaust stack plumes. Provide the supporting assumptions, meteorological data, operating parameters, and calculations used.	TN 248288-4: DEIR Visual Resources Sections 3.2.2.1 Study Area, 3.2.2.2 Environmental Setting, 3.2.4.2 Direct and Indirect Effects of the Project, and 3.2.5 Cumulative Impacts TN 248320-10: Shadow Flicker Rev. 2 TN 248320-13: Visual Resources Technical Report Rev. 2, Sections 2.2 Setting, 4.0 Affected Environment, 5.0 Results and Discussion, and 5.4 Potential Mitigation TN 248330-2: Project Refinement Memo, Section 2.6 Visual Resources and 3.0 Conclusions	No	<ul style="list-style-type: none"> * The current impact analysis addresses the previous project and must be revised to address the currently proposed project. * The selected seven KOPs are inadequate to support the present analysis and must be revised/augmented. Specifically: <ul style="list-style-type: none"> - Of the original seven KOPs, only two (KOPs 1 and 2) are close enough to the project such that turbines could be perceived. A better balance of distant and proximal viewing locations needs to be represented in the selection of KOPs in order to accurately characterize Visual Resources impacts on public views. For example, a portion of the B turbine string is within one mile of SR 299. That segment of SR 299 and may be an appropriate location for a representative KOP if project visibility can be demonstrated. - Under the currently proposed project design, KOP 1 is no longer orientated toward the project and must either be re- oriented or replaced such that the project is visible in the frame of view. * The visual simulations provided to support the impact analysis are inadequate in terms of quality, content, and format and must be revised and/or replaced to correct the following inadequacies: <ul style="list-style-type: none"> - The resolution of the provided images is so low that the turbines described in the text and captions as being visible are minimally discernible. - In some simulations, the color of the turbines does not appear as bright (white) as one would expect for turbines not being backlit by the sun. This artificially reduces structure visibility. - Full-page, color photographs of the existing views and visual simulations of the proposed project at life-size scale (when the picture is held 10 inches from the viewer's eyes) have not been provided as required in the Siting Regulations Appendix B (g) (6) (F) and must be submitted. * The DEIR acknowledges that vegetation- cleared corridors may be detectable in long- distance views and states that minimal visual contrast would result. However, there is no analysis or simulations to support this conclusion. Therefore, an evaluation of the considerable vegetation clearance that is proposed for the Overhead Collector Corridors and for Road Widening shall be provided. If any in-line views of a cleared linear corridor are visible from a public vantage point, a representative KOP shall be established, and a simulation shall be prepared. * Proposed night lighting at the project site is insufficiently described to support the stated conclusion that lighting impacts would be less than significant. All proposed lighting with the potential to be viewed by the public beyond the project boundary must be described and mapped. Further, lighting mitigation measures need to be identified where night lighting has the potential to be viewed by the public. In those cases, a night lighting mitigation plan shall be provided. 	
VIS-10	Visual Resources	Appendix B (g) (6) (H)	If any landscaping is proposed to reduce the visual impacts of the project, provide a conceptual landscaping plan at a 1:40 scale (1"=40'). Include information on the type of plant species proposed, their size, quantity, and spacing at planting, expected heights at 5 years and maturity, and expected growth rates.	Not Applicable	N/A	Not Applicable	
VIS-11	Visual Resources	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	TN 248288-4: DEIR Visual Resources Section 3.2.2.3 Regulatory Setting TN 248320-13: Visual Resources Technical Report Rev. 2, Section 4.1 Regulatory Setting	No	<ul style="list-style-type: none"> · A table or matrix shall be provided that specifically references pages in the application wherein conformance with each applicable law or standard during both construction and operation of the facility is discussed. 	
VIS-12	Visual Resources	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	TN 248288-4: DEIR Aesthetics Section 3.2.2.3 Regulatory Setting TN 248320-13: Visual Resources Report Rev. 2, Section 4.1 Regulatory Setting	No	A table shall be provided that identifies each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws; regulations; standards; and adopted local, regional, state, and federal land use plans. The table shall also identify agencies that would have permit approval or enforcement authority but for the exclusive authority of the Commission to certify sites and related facilities.	
VIS-13	Visual Resources	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	TN 248288-4: DEIR Aesthetics Section 3.2.2.3 Regulatory Setting TN 248320-13: Visual Resources Report Rev. 2, Section 4.1 Regulatory Setting	No	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency shall be provided. The name of the official who will serve as a contact person for Commission staff shall also be provided.	
VIS-14	Visual Resources	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained	TN 248288-4: DEIR Aesthetics Section 3.2.2.3 Regulatory Setting	No	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits shall be provided.	

Waste Management

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
WM-01	Waste Management	Appendix B (b) (1) (C)	A detailed description of the design, construction, and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	DEIR 2.4.4.2 Temp Construction and Eq Areas DEIR 2.4.8 Water, Wastewater, and Haz Materials	Yes	N/A	
WM-02	Waste Management	Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	DEIR 2.4. Decommissioning and Site Restoration	Yes	N/A	
WM-03	Waste Management	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect, and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing Conditions: DEIR Section 3.11 Hazardous Materials Subsection 3.11.1 Setting; Expected Impacts: DEIR Section 3.11 Hazardous Materials Subsection 3.11.3 Direct and Indirect Effects: DEIR Section 3.11 Hazardous Materials Subsection 3.11.4 Cumulative Analysis; Mitigation Measure: MM 3.11-3.	Yes	N/A	
WM-04	Waste Management	Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment (ESA) for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and Commission staff that provides similar documentation of the potential level and extent of site contamination. The Phase I ESA shall have been completed no earlier than one year prior to the filing of the AFC.	DEIR Appendix F1 (Phase I ESA): Stantec Consulting Services, Inc. 2019. Environmental Records Review. February 20.	No	The Phase I ESA provided in DEIR Appendix F1 is incomplete. Provide a complete Phase I Environment Site Assessment per ASTM E 1527	
WM-05	Waste Management	Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Management Methods: DEIR Section 3.11.3 Direct and Indirect Effects.	No	Per applicant: A Hazardous Materials Business Plan is a requirement of CCR Title 19, Division 2, Chapter 4 and will be prepared prior to construction. Construction is anticipated to balance cut and fill using onsite materials. Please provide a Hazardous Materials Business Plan which includes the information listed. In addition, the applicant provided only a brief discussion of solid waste generated during construction, operation, and decommissioning. However, no detail was provided for how much waste would be generated for each stage and what would be classified as hazardous vs non-hazardous. Provide further detail of the waste types and characteristics for construction, operation, and decommissioning.	
WM-06	Waste Management	Appendix B (g) (12) (c)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under California Code of Regulations, title 23, section 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Not located	No	Provide details	
WM-07	Waste Management	Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Management Methods: Shasta County DEIR Section 3.11.3 Direct and Indirect Effects.	Yes	N/A	
WM-08	Waste Management	Appendix B (h) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Project Description and Executive Summary Section 1.2.1 Site Selection	No	Provide discussion	
WM-09	Waste Management	Appendix B (h) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Crosswalk Matrix, Engineering (h), Facility Design (1), (D)	Yes	The applicant indicates this is not applicable to a wind project.	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
WM-10	Waste Management	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	DEIR Section 3.11.1.3; includes descriptions of applicable LORS but does not include a table or matrix referencing pages in the application wherein conformance with each LORS	No	Provide table	
WM-11	Waste Management	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state, and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	DEIR Section 3.11.1.3; includes descriptions of applicable LORS but does not include table of agencies.	No	Provide table	
WM-12	Waste Management	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	DEIR Section 3.11.1.3; includes descriptions of applicable LORS but does not include contact information.	No	Provide information	
WM-13	Waste Management	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	--- Not Located ---	No	Provide schedule	
Water Resources							
WR-001	Water Resources	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	DEIR Section 3.12 Pages: 3.12-1 thru 3.12-25	Yes	N/A	
WR-002	Water Resources	Appendix B (g) (14) (A)	All the information required to apply for the following permits, if applicable, including:	DEIR Section 3.12 Pages: 3.12-1 thru 3.12-25	Yes	N/A	
WR-003	Water Resources	Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; National Pollutant Discharge Elimination System Permit; and/or a Section 401 Certification or Waiver from the appropriate Regional Water Quality Control Board (RWQCB);	Section 3.12.1.3 Regulatory Setting/Regional/NPDES Construction General Permit Pages: 3.12-9	Yes	N/A	
WR-004	Water Resources	Appendix B (g) (14) (A) (ii)	Construction and Industrial Waste Discharge or Industrial Pretreatment permits from wastewater treatment agencies;	Section 3.12.1.3 Regulatory Setting/Regional/NPDES Construction General Permit Pages: 3.12-9	Yes	N/A	
WR-005	Water Resources	Appendix B (g) (14) (A) (iii)	Nationwide Permits and/or Section 404 Permits from the U.S. Army Corps of Engineers; and	Section 3.12.1.3 Regulatory Setting/Federal/Clean Water Act Pages: 3.12-4 thru 3.12-6	Yes	N/A	
WR-006	Water Resources	Appendix B (g) (14) (A) (iv)	Underground Injection Control Permit(s) from the U.S. Environmental Protection Agency, California Division of Oil and Gas, and RWQCB.	N/A	N/A		
WR-007	Water Resources	Appendix B (g) (14) (B)	A detailed description of the hydrologic setting of the project. The information shall include a narrative discussion and on maps at a scale of 1:24,000 (or appropriate scale approved by staff), describing the chemical and physical characteristics of the following nearby water bodies that may be affected by the proposed project:	Figure 3.12-1 Page: 3.12-3	No	"Surface Waters and Hydrology" figure has an estimated scale of 1":1.56 mi., or 1:98842 If practical, provide map in proper scale (1:24,000) or better.	
WR-008	Water Resources	Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Section 3.12.1.2, Groundwater Pages: 3.12-2 & 3.12-4 Figure 3.9-1 Page: 3.9-2	No		

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
WR-009	Water Resources	Appendix B (g) (14) (B) (ii)	Surface water bodies;	Section 3.12.1.2, Surface Water Hydrology Page: 3.12-2 Figure 3.12-1 Page: 3.12-3	Yes	N/A	
WR-010	Water Resources	Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones;	N/A	No		
WR-011	Water Resources	Appendix B (g) (14) (B) (iv)	Flood control facilities (existing and proposed); and	N/A	No		
WR-012	Water Resources	Appendix B (g) (14) (B) (v)	Groundwater wells within ½ mile if the project will include pumping.	Section 3.15.1.2, Water Supply Page: 3.15-1	No	No list or figure identifying active groundwater wells within ½ mile of the project area. Provide required list or figure.	
WR-013	Water Resources	Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	Section 3.15.1.2, Water Supply Pages: 3.12-2 & 3.12-4 Section 3.15.1.2, Wastewater Services Page: 3.15-1 & 3.15-2	Yes	N/A	
WR-014	Water Resources	Appendix B (g) (14) (C) (i)	Source(s) of the primary and back-up water supplies and the rationale for their selection;	DEIR Appendix I, Water Supply Assessment	Yes	N/A	
WR-015	Water Resources	Appendix B (g) (14) (C) (ii)	The expected physical and chemical characteristics of the source and discharge water(s) including identification of both organic and inorganic constituents before and after any project-related treatment. For source waters with seasonal variation, provide seasonal ranges of the expected physical and chemical characteristics. Provide copies of background material used to create this description (that is, laboratory analysis);	Section 3.12.1.2, Water Quality Page: 3.12-2 Section 3.15.1.2, Water Supply Pages: 3.12-2 & 3.12-4 Section 3.15.1.2, Wastewater Services Page: 3.15-1 & 3.15-2 DEIR Appendix I, Water Supply Assessment	No	Neither section includes details of the physical and chemical characteristics of source or discharge waters. Provide required information.	
WR-016	Water Resources	Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project;	Section 3.15.3.2, Direct and Indirect Effects of the Project Page: 3.15-7 DEIR Appendix I, Water Supply Assessment	Yes	N/A	
WR-017	Water Resources	Appendix B (g) (14) (C) (iv)	A detailed description of all facilities to be used in water conveyance (from primary source to the power plant site), water treatment, and wastewater discharge. Include a water mass balance diagram;	Section 3.15.1.2, Water Supply Pages: 3.12-2 & 3.12-4 Section 3.15.3.2, Direct and Indirect Effects of the Project Page: 3.15-7 DEIR Appendix I, Water Supply Assessment	Yes	N/A	
WR-018	Water Resources	Appendix B (g) (14) (C) (v)	For all water supplies intended for industrial uses to be provided from public or private water purveyors, a letter of intent or will-serve letter indicating that the purveyor is willing to serve the project, has adequate supplies available for the life of the project, and any conditions or restrictions under which water will be provided. If a will-serve letter or letter of intent cannot be provided, identify the most likely water purveyor and discuss the necessary assurances from the water purveyor to serve the project;		No	No "Letter of Intent" or "Will-Serve Letter" from the water purveyor was provided. Provide a Letter or Intent or a Will-Serve Letter.	
WR-019	Water Resources	Appendix B (g) (14) (C) (vi)	For all water supplied which necessitates transfers and/or exchanges at any point, identify all parties and contracts/agreements involved, the primary source for the transfer and/or exchange water (that is, surface water, groundwater), and provide the status of all appropriate agencies' approvals for the proposed use, environmental impact analysis on the specific transfers or exchanges required to obtain the proposed supplies, a copy of any agency regulations that govern the use of the water, and an explanation of how the project complies with the agency regulation(s);	Section 3.15.1.2, Water Supply Pages: 3.12-2 & 3.12-4 Section 3.15.3.2, Direct and Indirect Effects of the Project Page: 3.15-7 DEIR Appendix I, Water Supply Assessment Burney Water District Correspondence (TN248320- 14)	No	The Burney Water District is identified as the water purveyor in the area. There is a series of emails that document the applicant's efforts in obtaining a "will serve letter" from the water district, however, there appear to be no contract or agreement documents included. Provide contract or agreement.	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
WR-020	Water Resources	Appendix B (g) (14) (C) (vii)	Provide water mass balance and heat balance diagrams for both average and maximum flows that include all process or ancillary water supplies and wastewater streams. Highlight any water conservation measures on the diagram and the amount that they reduce water demand; and		N/A		
WR-021	Water Resources	Appendix B (g) (14) (C) (viii)	For all projects which have a discharge, provide a copy of the will-serve letter, permit or contract with the public or private entity that will be accepting the wastewater and contact storm water from the project. The letter, permit or contract, if possible, shall identify the discharge volumes and the chemical or physical characteristics under which the wastewater and contact storm water will be accepted. In the event that a will-serve letter, permit, or contract cannot be provided, identify the most likely wastewater/storm water entity and discuss why the applicant was unable to secure the necessary assurances to serve the project's wastewater/storm water needs. Also, discuss the term of the wastewater service to the project, whether the wastewater entity has adequate permit capacity for the volume of wastewater from the project and has adequate permit levels for the chemical/physical characteristics of the project's wastewater and storm water for the life of the project, and any issues or conditions/restrictions the wastewater entity may impose on the project.	Section 3.12.1.3 Regulatory Setting/Federal/Clean Water Act Pages: 3.12-4 thru 3.12-6 Section 3.12.1.3 Regulatory Setting/Regional/NPDES Construction General Permit Pages: 3.12-9 Section 3.15.1.2 Utilities and Service Systems, Setting, Environmental Setting, Wastewater Service Pages: 3.15-1 & 3.15-2	No	The Central Valley RWQCB is the agency identified oversight of the General NPDES permit. No "Will-Serve Letter" for wastewater discharge services. According to Section 3.15.1.2, the project site is not served by wastewater infrastructure. Provide a Will-Serve letter or information from the wastewater service provider indicating that they have capacity to receive and treat wastewater from the project.	
WR-022	Water Resources	Appendix B (g) (14) (D)	Identify all project elements associated with stormwater drainage, including a description of the following:	Section 3.12.1.2, Environmental Setting, Climate, Precipitation, and Site Topography Pages: 3.12-1	No		
WR-023	Water Resources	Appendix B (g) (14) (D) (i)	Monthly and seasonal precipitation and stormwater runoff and drainage patterns for the proposed site and surrounding area that may be affected by the project's construction and operation;	Section 3.12.1.2, Environmental Setting, Climate, Precipitation, and Site Topography Pages: 3.12-1	Yes	N/A	
WR-024	Water Resources	Appendix B (g) (14) (D) (ii)	Drainage facilities and the design criteria used for the plant site and ancillary facilities, including but not limited to capacity of designed system, design storm, and estimated runoff;		No	No documents in the docket that address stormwater management system were provided. Provide a discussion about stormwater management at project site.	
WR-025	Water Resources	Appendix B (g) (14) (D) (iii)	All assumptions and calculations used to calculate runoff and to estimate changes in flow rates between pre- and post-construction; and		No	No documents in the docket that address stormwater management system were provided. Provide a discussion about stormwater management at project site.	
WR-026	Water Resources	Appendix B (g) (14) (D) (iv)	A copy of applicable regional and local requirements regulating the drainage systems, and a discussion of how the project's drainage design complies with these requirements.	Section 3.12.1.3, Regulatory Setting Pages: 3.12-4 thru 3.12-10	Yes	N/A	
WR-027	Water Resources	Appendix B (g) (14) (E)	An impacts analysis of the proposed project on water resources and a discussion of conformance with water-related LORS and policy. This discussion shall include:	Section 3.12.3 Direct and indirect Effects Pages: 3.12-11 thru 3.12-23 Section 3.12.4 Cumulative Analysis Pages: 3.12-23 and 3.12-24	Yes	N/A	
WR-028	Water Resources	Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source, including, but not limited to, water availability for other uses during construction or after the power plant begins operation, consistency of the water use with applicable RWQCB basin plans or other applicable resource management plans, and any changes in the physical or chemical conditions of existing water supplies as a result of water use by the power plant;	Section 3.12.3 Direct and indirect Effects Pages: 3.12-11 thru 3.12-23 Section 3.12.4 Cumulative Analysis Pages: 3.12-23 and 3.12-24	Yes	N/A	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
WR-029	Water Resources	Appendix B (g) (14) (E) (ii)	If the project will pump groundwater, an estimation of aquifer drawdown based on a computer modeling study shall be conducted by a professional geologist and include the estimated drawdown on neighboring wells within 0.5 mile of the proposed well(s), any effects on the migration of groundwater contaminants, and the likelihood of any changes in existing physical or chemical conditions of groundwater resources shall be provided;		No	Groundwater is discussed as a possible water supply in Section 3.15, but no drawdown analysis or modeling was provided. Provide drawdown analysis or modeling results.	
WR-030	Water Resources	Appendix B (g) (14) (iii)	The effects of construction activities and plant operation on water quality and to what extent these effects could be mitigated by best management practices;	Section 3.12.3 Direct and indirect Effects Pages: 3.12-11 thru 3.12-23 Section 3.12.4 Cumulative Analysis Pages: 3.12-23 and 3.12-24	Yes	N/A	
WR-031	Water Resources	Appendix B (g) (14) (iv)	If not using a zero liquid discharge project design for cooling and process waters, include the effects of the proposed wastewater disposal method on receiving waters, the feasibility of using pre-treatment techniques to reduce impacts, and beneficial uses of the receiving waters. Include an explanation why the zero liquid discharge process is "environmentally undesirable," or "economically unsound;"	Section 3.15.3.2 <i>Utilities and Service Systems, Direct and Indirect Effects of the Project, Wastewater Service, Environmental Impact (b)</i> Pages: 3.15-8	No	No explanation was given as to why "Zero Liquid Discharge" process would not be used for wastewater disposal. Provide required discussion and explanation.	
WR-032	Water Resources	Appendix B (g) (14) (v)	If using fresh water, include a discussion of the cumulative impacts, alternative water supply sources and alternative cooling technologies considered as part of the project design. Include an explanation of why alternative water supplies and alternative cooling are "environmentally undesirable," or "economically unsound;"	Section 3.15.1.2, Water Supply Pages: 3.12-2 & 3.12-4 Section 3.15.3.2, Direct and Indirect Effects of the Project Page: 3.15-7 DEIR Appendix I, Water Supply Assessment Burney Water District Correspondence (TN248320- 14)	Yes	N/A	
WR-033	Water Resources	Appendix B (g) (14) (vi)	The effects of the project on the 100-year flood plain, flooding potential of adjacent lands or water bodies, or other water inundation zones; and	Section 3.12.3.2 Hydrology and Water Quality, Direct and Indirect Effects of the Project, Environmental Impact (c) Pages: 3.12-9 thru 3.12-21	Yes	N/A	
WR-034	Water Resources	Appendix B (g) (14) (vii)	All assumptions, evidence, references, and calculations used in the analysis to assess these effects.	Section 3.12.3.2 Hydrology and Water Quality, Direct and Indirect Effects of the Project, Environmental Impact (c) Pages: 3.12-9 thru 3.12-21	No	Provide the requested information.	
WR-035	Water Resources	Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and		No	Table of applicable LORS	
WR-036	Water Resources	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.		No	Table of agencies and jurisdictions	

Data Request Identifier	Topic	Siting Regulations	Information	AFC Page Number And Section Number	Adequate	Information Required To Make AFC Conform With Regulations	Applicant's Response
WR-037	Water Resources	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.		No	List of governmental agencies.	
WR-038	Water Resources	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	Permit issuance schedule	
Worker Safety							
WS-001	Worker Safety	Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Not included	No		
WS-002	Worker Safety	Appendix B (g) (11) (A)	A description of the safety training programs that will be required for construction and operation personnel.	Not included.	No	A Health and Safety Plan should be prepared and included in Section 3.11.2 (Hazards and Hazardous Materials Direct and Indirect Effects) to reduce potential hazards to workers.	
WS-003	Worker Safety	Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.		No	There is a good discussion of the fire suppression for the tower nacelles and project fire safety mitigation in the Wildfire Section (3.16.3.1). However, there is no discussion in the application materials as to fuel handling for the Project. Provide discussion of how and where fuel will be stored, used, and transported (including refueling of fuel storage tanks), equipment and vehicle refueling procedures.	
WS-004	Worker Safety	Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows: Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., section 1509); * Fire Protection and Prevention Plan (8 Cal. Code Regs., section 1920); * Personal Protective Equipment Program (8 Cal. Code Regs., sections 1514-1522) Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., section 3203); * Fire Prevention Plan (8 Cal. Code Regs., section 3221); * Emergency Action Plan (8 Cal. Code Regs., section 3220); Personal Protective Equipment Program (8 Cal. Code Regs., sections 3401-3411).	Not Provided as it pertains to Worker Health and Safety and Hazards and Hazardous Materials	No	Provide Construction and Operation Health and Safety Plans for worker safety.	
WS-005	Worker Safety	Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.		No	Please provide the table for worker safety.	
WS-006	Worker Safety	Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.		No	Please provide the agency contacts.	
WS-007	Worker Safety	Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	Please provide any permits that need to be obtain.	

Deficiency Letter, Attachment C - MOU Agencies

Data Request Identifier	Information Required To Make AFC Conform With Regulations	Applicant's Response
RWQCB-01	Draft Section 401 application	
RWQCB-02	Aquatic resource delineation report verified by U.S. Army Corps of Engineers, if verification is required by the Corps	
RWQCB-03	A description of the waters proposed to be impacted by the project including the quantity of impacts to waters proposed to receive a discharge of dredged or fill material at each location rounded to at least the nearest one-hundredth (0.01) of an acre and nearest linear foot, and cubic yards of fill	
RWQCB-04	A compensatory mitigation plan for permanent physical loss and permanent ecological degradation of a water of the state. The plan shall comport with State Water Resources Control Board's Supplemental Dredge or Fill Guidelines, Subpart J. A link is provided: State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (ca.gov) (https://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/2021/procedures.pdf)	
RWQCB-05	Draft Waste Discharge Requirements application	
RWQCB-06	An aquatic resource delineation indicating aquatic resources that are not federally jurisdictional	
RWQCB-07	A description of the waters proposed to be impacted by the project including the quantity of impacts to waters proposed to receive a discharge of dredged or fill material at each location rounded to at least the nearest one-hundredth (0.01) of an acre and nearest linear foot, and cubic yards of fill	
RWQCB-08	A compensatory mitigation plan for permanent physical loss and permanent ecological degradation of a water of the state. The plan shall comport with State Water Resources Control Board's Supplemental Dredge or Fill Guidelines, Subpart J. A link is provided: State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (ca.gov) (https://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/2021/procedures.pdf)	
RWQCB-09	Notice of Intent to request coverage under the CGP, including a Risk Level Determination, submitted through the State Water Board Stormwater Multiple Application and Report Tracking System (SMARTS)	
RWQCB-10	Site Drawings and maps of areas requiring CGP coverage	
RWQCB-11	Construction Stormwater Pollution Prevention Plan (SWPPP) developed by a Qualified SWPPP Developer (QSD)	
RWQCB-12	Notice of Intent to request coverage under the IGP submitted through the State Water Board Stormwater Multiple Application and Report Tracking System (SMARTS)	
RWQCB-13	Site Map of each industrial facility requiring IGP, to include the information identified in section X.E of the IGP	
RWQCB-14	Industrial Stormwater Pollution Prevention Plan (SWPPP)	
RWQCB-15	Form 200, Report of Waste Discharge (ROWD), for the discharge of wastewater, if applicable [attachment]	
RWQCB-16	Notice of Intent to request coverage under the General Order of Waste Discharge Requirements for Timberland Management on Non-Federal and Federal Lands. Note that a Timberland Conversion Permit from CalFire is required to be obtained prior to applying for coverage	