

DOCKETED	
Docket Number:	23-OPT-01
Project Title:	Fountain Wind Project
TN #:	250518
Document Title:	transmission_fwp_responses
Description:	N/A
Filer:	Caitlin Barns
Organization:	Stantec Consulting Services, Inc.
Submitter Role:	Public
Submission Date:	6/5/2023 9:23:50 AM
Docketed Date:	6/5/2023

Data Request Identifier	Request Source	Topic	Reviewer	Siting Regulations	Information	Opt-In Page Number And Section Number	Adequate	Information Required To Make OPT Conform With Regulations	Response Date	Applicant Response No. 1	Status
TLSN-01	Deficiency Letter Matrix	Trans Line Safety & Nuisance	Hughes	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	N/A	N/A	N/A
TLSN-02	Deficiency Letter Matrix	Trans Line Safety & Nuisance	Hughes	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	N/A	N/A	N/A
TLSN-03	Deficiency Letter Matrix	Trans Line Safety & Nuisance	Hughes	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.	2-Jun	Please see EMF Interference Risk Assessment (TN# 250501).	submitted
TLSN-04	Deficiency Letter Matrix	Trans Line Safety & Nuisance	Hughes	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)	2-Jun	This information is provided in DEIR Chapter 3-5 Communications Subsection 3.5.3 Direct and Indirect Effects MMs 3.5-1 and 3.5-3 (there is no MM 3.5-2) below. Mitigation Measure 3.5-1: Correct or mitigate conflicts with television signals. Prior to issuance of a construction permit from the County, the Applicant shall send notifications, via certified mail or other means that documents receipt, to all property owners of residences within the service area of the stations that broadcast over the Project site notifying them of the potential for interference with "over-the-air" television signals received by antenna. The notification shall provide contact information and instructions so that recipients may file a complaint with the Shasta County Department of Resource Management, Planning Division if interference occurs. In the event that the County receives a verified complaint regarding television broadcast interference that is attributable to this Project, the	submitted

Data Request Identifier	Request Source	Topic	Reviewer	Siting Regulations	Information	Opt-In Page Number And Section Number	Adequate	Information Required To Make OPT Conform With Regulations	Response Date	Applicant Response No. 1	Status
										<p>Applicant will resolve receiver interference through coordination with property owners. Verification shall include a letter or report from a qualified third party supporting the conclusion that interference is attributable to the Project. The Applicant shall not be required to provide qualifying residents with better reception than they had before the construction and operation of the Project.</p> <p>Mitigation Measure 3.5-3: Correct or mitigate conflicts with microwave signals. Prior to issuance of a construction permit from the County, the Applicant shall notify, via certified mail or other means that documents receipt, all owners of frequency-based communication stations and towers within 2 miles of the Project Site. The notification shall provide the locations of all turbines and shall provide contact information and instructions so that recipients may file a complaint with the Shasta County Department of Resource Management, Planning Division if interference occurs. In the event that the County receives a verified complaint regarding microwave transmission interference that is attributable to this Project, the Applicant will resolve receiver interference through coordination with owners of frequency-based communication stations and towers. Verification shall include a letter or report from a qualified third party supporting the conclusion that interference is attributable to the Project. Possible actions include the Applicant being responsible for installation of high-performance antennas at nearby microwave sites, if required. The Applicant shall not be required to provide qualifying owners with better signals than they had before the construction and operation of the Project.</p>	

Data Request Identifier	Request Source	Topic	Reviewer	Siting Regulations	Information	Opt-In Page Number And Section Number	Adequate	Information Required To Make OPT Conform With Regulations	Response Date	Applicant Response No. 1	Status
TLSN-05	Deficiency Letter Matrix	Trans Line Safety & Nuisance	Hughes	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 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); DEIR Communications Interference (TN 248288-7)	Yes	N/A	12-Apr	Updated LORS Consistency Matrix (TN# 249636) and General Plan Consistency Matrix (TN# 249635) were provided on April 12, 2023.	N/A
TLSN-06	Deficiency Letter Matrix	Trans Line Safety & Nuisance	Hughes	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	N/A	N/A	N/A
TLSN-07	Deficiency Letter Matrix	Trans Line Safety & Nuisance	Hughes	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		Table of applicable permits, agency contact information, and the schedule to obtain legally binding enforceable agreement(s) with community-based organizations and/or permitting entities was submitted on April 3, 2023 (TN# 249533).	closed out
TLSN-08	Deficiency Letter Matrix	Trans Line Safety & Nuisance	Hughes	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		Table of applicable permits, agency contact information, and the schedule to obtain legally binding enforceable agreement(s) with community-based organizations and/or permitting entities was submitted on April 3, 2023 (TN# 249533).	closed out
TSD-01	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	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. 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 Section 2.3 Section 2.4.2	Yes	N/A	N/A	N/A	N/A
TSD-02	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	Appendix B (h) (2) (B)	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. 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	N/A	N/A	N/A

Data Request Identifier	Request Source	Topic	Reviewer	Siting Regulations	Information	Opt-In Page Number And Section Number	Adequate	Information Required To Make OPT Conform With Regulations	Response Date	Applicant Response No. 1	Status
TSD-03	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	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.	2-Jun	See Switching Station Design Detail with 230 kV pole configuration (TN# 250503), Substation Design Detail (TN# 250504), and underground cable types (TN# 250502). The Project proposes no gen-tie line and all electrical transmission facilities will be on private land within the Project boundaries.	submitted
TSD-04	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	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	N/A	N/A	N/A
TSD-05	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	Appendix B (b) (2) (E)	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. 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.	Interconnection Memo	No	Provide the California ISO Cluster Studies. Provide the most recent California ISO reassessment documentation. 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.	2-Jun		ongoing

Data Request Identifier	Request Source	Topic	Reviewer	Siting Regulations	Information	Opt-In Page Number And Section Number	Adequate	Information Required To Make OPT Conform With Regulations	Response Date	Applicant Response No. 1	Status
TSD-06	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	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	Not specified	No	Provide CPUC G.O. 95 and G.O 128 rules for overhead and underground electric line construction and provide a brief discussion.	12-Apr	Updated LORS Consistency Matrix (TN# 249636) and General Plan Consistency Matrix (TN# 249635) were provided on April 12, 2023. However, since the Applicant is not a public utility, General Orders are not applicable. PG&E's lines will be built in conformance with these General Orders.	follow-up response ongoing
TSD-07	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	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.	CEQA Initial Study Section 5 Table 3	Yes	N/A	N/A	N/A	N/A
TSD-08	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	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 specified	No	Provide names, phone numbers, address and email address of the official contact person of each agency.	3-Apr	Table of applicable permits, agency contact information, and the schedule to obtain legally binding enforceable agreement(s) with community-based organizations and/or permitting entities was submitted on April 3, 2023 (TN# 249533).	closed out
TSD-09	Deficiency Letter Matrix	Transmission System Design	Ng Hesters	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.	Interconnection Memo	Yes	N/A	3-Apr	Table of applicable permits, agency contact information, and the schedule to obtain legally binding enforceable agreement(s) with community-based organizations and/or permitting entities was submitted on April 3, 2023 (TN# 249533).	submitted - awaiting CEC response