DOCKETED	
Docket Number:	24-OPT-05
Project Title:	Corby Battery Energy Storage System Project
TN #:	260568
Document Title:	Determination of Incomplete Application and Request for Information for the Corby Battery Energy Storage System Project
Description:	N/A
Filer:	Marichka Haws
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	12/9/2024 4:45:41 PM
Docketed Date:	12/9/2024

CALIFORNIA ENERGY COMMISSION

CALIFORNIA NATURAL RESOURCES AGENCY

December 9, 2024

Christine Seal
Assistant Vice President
NextEra Energy Resources
700 Universe Boulevard
Juno Beach, Florida 33408

Determination of Incomplete Application and Request for Information for the Corby Battery Energy Storage System Project (24-OPT-05)

Dear Christine Seal:

California Energy Commission (CEC) staff confirmed receipt on November 7, 2024, of an Opt-In Application for the Corby Battery Energy Storage System Project (project) (24-OPT-05). North Bay Interconnect, LLC and Corby Energy Storage, LLC (applicant) propose to construct, own, and operate the project, a 300-megawatt (MW), 1,200 MW hour battery energy storage system (BESS). The project would be located on an approximately 40.3-acre parcel (Assessor's Parcel Number 0141-030-090) southwest of the intersection of Kilkenny Road and Byrnes Road in Solano County, California.

In addition to the BESS, the project would include an associated project substation, inverters, and other ancillary facilities, such as fencing, sound barrier, roads, retention basins, storage containers, and a supervisory control and data acquisition (SCADA) system. The project is proposed to connect to the Pacific Gas and Electric (PG&E) Vaca-Dixon Substation across Interstate 80 (I-80) and northwest of the project site, using an approximately 1.1-mile long 230-kilovolt (kV) generation tie (gen-tie) line, portions of which would be installed overhead and underground.

To accommodate the interconnection of the project, PG&E would install a new 230-kV Double Bus Bay structure with associated foundations and supports on approximately 0.6 acre of the existing substation. This new bay would house four switch support structures and associated equipment for the new 230-kV connection. In addition, PG&E would also construct, own, and operate the portion of the gen-tie between the point of change of ownership pole immediately south of I-80 and the first point of interconnection at the Vaca-Dixon Substation, including five of the ten structures. Once constructed, operational control would be located in an offsite control room through the

SCADA system with routine inspections and maintenance as required by the manufacturer.

CEC staff has completed its review of the project application pursuant to California Code of Regulations, title 20, section 1877, which specifies the required contents of an Opt-In application and Public Resources Code, section 25545.4(a), and which states, "within 30 days of the submission of the application, the commission shall review the application and make a determination of completeness." Based on this review, CEC staff has determined the submitted application is incomplete.

Pursuant to Public Resources Code, section 25545.4(b), CEC staff requires the information described in the attachments to this letter be submitted. The attachments consist of: (1) data completeness worksheets listing the requirements specified in statute and regulations; and (2) requests for additional information needed for staff to complete its environmental and other analyses of the proposed project, which includes input from partner agencies who have a memorandum of understanding with the CEC to perform a related review for Opt-In applications. CEC staff's review of the application has identified initial topics of concern that could impact the project which are described in detail in the data requests (Attachment B). In general, the submitted materials do not provide adequate information to meet application requirements for most topics.

All requested information is reasonably necessary to prepare a CEC Staff Assessment that includes an Environmental Impact Report and to support a decision on the application, including all the findings required in Chapter 6.2 of Division 15 of the Public Resources Code sections 25545 et seq.

CEC staff asks the applicant to file complete responses by technical area to the requested data in as few submittals as possible and provide an estimated timeline of when the remaining data will be submitted. CEC staff asks that upon submitting complete responses, the applicant provide a statement that its response to the request for information is complete and addresses all identified deficiencies.

Consistent with Public Resources Code, section 25545.4(c)(2) and California Code of Regulations, title 20, section 1878, upon receipt of all information responsive to this request, CEC staff will finalize review of the information provided and document its determination regarding application completeness in a subsequent letter.

If you have any questions about the information identified as necessary to complete the application, please email the CEQA project manager, Renee Longman, at renee.longman@energy.ca.gov.

Sincerely,

Drew Bohan
Executive Director

Attachments
Attachment A: Data Completeness Worksheets for California Code of Regulations, Title 20, section 1877
Attachment B: Data Requests

Corby Battery Energy Storage System
(24-OPT-05)
Completeness Review

Incomplete

1. Mandatory Opt-in Requirements
2. Air Quality (includes Greenhouse Gases)
3. Alternatives
4. Biological Resources
5. Cultural/Tribal Cultural Resources
6. Geological Hazards
7. Hazardous Materials Handling
8. Land Use
9. Paleontological Resources
10. Project Description
11. Reliability
12. Socioeconomics
13. Traffic and Transportation
14. Transmission System Safety and Nuisance
15. Transmission System Design
16. Visual Resources
17. Waste Management
18. Water Resources
19. Wildfire
20. Worker Safety and Fire Protection

Complete

1. Efficiency, Energy, and Energy Resources
2. Executive Summary
3. Facility Design
4. Noise and Vibration
5. Public Health
6. Soils

Attachment A

Data Completeness Worksheets
for Title 20, section 1877

DATA COMPLETENESS WORKSHEET

Completeness: Complete ____ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Mandatory Opt-In Requirements** Project: Corby Battery Energy Storage System Technical Staff: Various

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
AUTHORITY AND VERIFICATION				
Cal. Code Regs., tit. 20 § 1707	Every notice and application shall be dated and signed by the applicant attesting under penalty of perjury to its truth and accuracy.	Cover Letter	Yes	
"FACILITY" OR "DISCRETIONARY PROJECT" DEFINTION MET				
Cal. Code Regs., tit. 20, § 1877(b); Pub. Resources Code, § 25545(b)	Explanation of how the facility meets one or more of the definitions of "facility":	Subsection 1.1.5.2, p. 1-10	Yes	
Cal. Code Regs., tit. 20, § 1877(b); Pub. Resources Code, § 25545(b)(4)	If the opt-in application is seeking certification for a discretionary project pursuant to Public Resources Code section 25545(b)(4), the application shall contain a detailed description of how the facility meets the criteria specified in section 25545(b)(4) including, as applicable, 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 (1) energy storage systems or component manufacturing, (2) wind systems or component manufacturing, (3) solar photovoltaic energy systems or component manufacturing, or (4) specialized products, components, or systems that are integral to renewable energy or energy storage technologies.	N/A	N/A	
REQUIREMENTS FOR COVERED PROJECT UNDER THE LABOR CODE				
Cal. Code Regs., tit. 20, § 1877(c)	Certifications required by Public Resources Code sections 25545.3.3 and 25545.3.5.	Subsection 1.1.5.3, p. 1-10	Yes	

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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:	--	--	--
Pub. Resources Code, § 25545.3.3(a)	The entirety of the construction of the covered project is a public work.	Subsection 1.1.5.3, p. 1-10	Yes	
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:	--	--	--
Pub. Resources Code, § 25545.3.3(b)(1)	Applicant ensures that the prevailing wage requirement is included in all contracts for the performance of all construction work.	N/A	N/A	

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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.	N/A	N/A	
Pub. Resources Code, § 25545.3.3(b)(3)	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.	N/A	N/A	
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.	N/A	N/A	
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.	N/A	N/A	

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OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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:	--	--	--
Pub. Resources Code, § 25545.3.3(b)(6)(A)	Provisions requiring payment of prevailing wages to all construction workers employed in the construction of the project and for enforcement of that obligation through an arbitration procedure.	Subsection 1.1.5.3, p. 1-10	Yes	
Pub. Resources Code, § 25545.3.3(b)(6)(B)	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 relevant local agency.	Subsection 1.1.5.3, p. 1-10	Yes	
Pub. Resources Code, § 25545.3.3(b)(6)(C)	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.	Subsection 1.1.5.3, p. 1-10	Yes	
Pub. Resources Code, § 25545.3.3(b)(6)(D)	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).	Subsection 1.1.5.3, p. 1-10	Yes	

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Pub. Resources Code, § 25545.3.5	Certify that a skilled and trained workforce will be used to perform all construction work on the project and all of the following apply:	--	--	--
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.	Subsection 1.1.5.3, p. 1-10	Yes	
Pub. Resources Code, § 25545.3.5(b)	Every contractor and subcontractor must use a skilled and trained workforce to construct the project.	Subsection 1.1.5.3, p. 1-10	Yes	
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.	N/A	N/A	
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.	N/A	N/A	

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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:	--	--	--
Pub. Resources Code, § 25545.3.5(e)(1)	Provisions requiring compliance with the skilled and trained workforce requirement and for enforcement of that obligation through an arbitration procedure.	Subsection 1.1.5.3, p. 1-10	Yes	
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.	Subsection 1.1.5.3, p. 1-10	Yes	
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.	Subsection 1.1.5.3, p. 1-10	Yes	
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).	Subsection 1.1.5.3, p. 1-10	Yes	
PERMIT APPLICATIONS SUBMITTED (LOCAL, STATE, AND FEDERAL)				

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 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.	Subsection 1.1.5.4, p. 1-11	Yes	
IDENTIFICATION OF WHETHER SITE IS LOCATED AT A PROHIBITED AREA				
Cal. Code Regs., tit. 20, § 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.	Subsection 1.1.5.5, p. 1-11	Yes	
NET POSITIVE ECONOMIC BENEFIT TO THE LOCAL GOVERNMENT				
Cal. Code Regs., tit. 20, § 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.	Subsection 1.1.5.6, pp. 1-12 to 1-13; Subsection 4.14.3.3, pp. 4.14-12 to 4.14-19	No	See DR MAND-1

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

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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.	Subsection 1.1.5.6, pp. 1-12 to 1-13; Subsection 4.14.3.3, pp. 4.14-12 to 4.14-19	No	See DR MAND-1
LEGALLY BINDING ENFORCEABLE AGREEMENT(S) FOR COMMUNITY BENEFITS OF THE PROJECT				
Cal. Code Regs., tit. 2, § 1877(g) ; Pub. Resources Code § 25545.10	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 prior to project certification, consistent with Public Resources Code section 25545.10.	Subsection 1.1.5.7, p. 1-13; Appendix 1-C, p. 1	Yes	
ENVIRONMENTAL LEADERSHIP DEVELOPMENT PROJECT 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.	Subsection 1.1.5.8, p. 1-13	Yes	
Pub. Resources Code § 21183(a)	The project will result in a minimum investment of $100,000,000 in California upon completion.	Subsection 1.1.5.8, p. 1-13	Yes	

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OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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.	Subsection 1.1.5.8, p. 1-13	Yes	
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.	Subsection 1.1.5.8, p. 1-13	Yes	
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.	Subsection 1.1.5.8, p. 1-13	Yes	

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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.	Subsection 1.1.5.8, pp. 1-13	No	See DR MAND-2
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...	Subsection 1.1.5.8, pp. 1-13	Yes	
Pub. Resources Code § 21183(g)	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...	Subsection 1.1.5.8, pp. 1-13	Yes	
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.	N/A	N/A	
Pub. Resources Code § 21183.6(a)	The quantification and mitigation of the greenhouse gas emission impacts of a project described in 21180(b)(1), (2), or (3), including a wind or solar energy project or a	--	--	--

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

OPT-IN STATUTES/ REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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:			
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.	Appendix 4.3-A, Subsection 3.3.1, pp. 39 to 40 of 182	Yes	
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			

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	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.			

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Air Quality** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.3.3, pp. 4.3-8 to 4.3-24	Yes	
Cal. Code Regs. Tit. 20 § 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	Subsection 4.3.3.1, pp. 4.3-8 to 4.3-12	Yes	
Cal. Code Regs. Tit. 20 § 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.	Subsection 4.3.9, pp. 4.3-32 to 4.3-33	Yes	
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. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the	Subsection 4.3.2, pp. 4.3-1 to 4.3-8; Subsection 4.3.3, pp. 4.3-8 to 4.3-24; Subsection 4.3.4, pp. 4.3-24 to 4.3-25; Subsection 4.3.5, p. 4.3-25	No	See DR AQ-1 and DR AQ-2

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Air Quality** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
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.	N/A	N/A	N/A
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	N/A	N/A
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Subsection 4.3.3.3, pp. 4.3-18 to 4.3-19; Appendix 4.3-A, Subsection 2.5.2, pp. 20 to 21	Yes	
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	N/A	N/A
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.	Subsection 4.3.3.3, pp. 4.3-16 to 4.3-24; Subsection 4.8.3.2, pp. 4.8-5 to 4.8-8	No	See DR GHG-1, DR GHG-2, and DR GHG-3

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Air Quality** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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.	Subsection 4.3.3.1, p. 4.3-12; Subsection 4.8.3.1, pp. 4.8-4 to 4.8-5	Yes	
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	N/A	N/A
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.	Subsection 4.3.2.3, Table 4.3-3, pp. 4.3-7 to 4.3-8	Yes	

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Air Quality** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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.	Appendix 4.3-A, Subsection 2.4.2.3, p.27 of 182	Yes	
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	N/A	N/A
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.	Appendix 4.3-A, Attachment B, p. 159 of 182	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of:	--	--	--
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling	Subsection 4.3.3.3, pp. 4.3-16 to 4.3-23	No	See DR AQ-1

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Air Quality** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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 (PM_{10}) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO_x), sulfur dioxide (SO_2), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM_{10}) and particulate matter less than 2.5 microns in diameter (PM2.5) from construction-related equipment;			
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 (NO_x, SO_2, CO, $PM_{10,}$ and $PM_{2.5}$) 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;	Subsection 4.3.3.3. pp, 4.3-16 to 4.3-23	No	See DR AQ-1

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Air Quality** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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	Subsection 4.3.4, pp. 4.3-24 to 4.3-25	No	See DR AQ-2
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 NO_X, SO_2, CO, PM_{10}, and $PM_{2.5}$.	N/A	N/A	N/A
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under (g)(1), provide the following information:	--	--	--

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Technical Area: **Air Quality** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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	N/A	N/A
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions;	N/A	N/A	N/A
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.	Subsection 4.3.5, p. 4.3-25	Yes	
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	Subsection 4.3.6, pp. 4.3-26 to 4.3-31	Yes	

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Technical Area: **Air Quality** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	operation of the facility is discussed; and			
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.	Subsection 4.3.7, p. 4.3-32	Yes	
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.	Subsection 4.3.7, p. 4.3-32	Yes	
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Alternatives** Project: Corby Battery Energy Storage System Technical Staff: Tatiana Inouye

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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.	Section 1.4, pp. 1-14 to 1-15 Subsection 2.3.1, p. 2-3 Section 5.0, pp. 5-1 to 5-20	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in (f)(1).	Section 1.4, pp. 1-14 to 1-15 Subsection 2.3.1, p. 2-3 Section 5.0, pp. 5-1 to 5-20	No	See DR ALT-1

DATA COMPLETENESS WORKSHEET

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Technical Area: **Biological Resources** Project: Corby Battery Energy Storage System Technical Staff: Julie Myrah

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document;	Appendix 4.4-A (Section 2.0-2.5), 4.4-D (Section 2.1, 2.2), Appendix B-E	No	See ,DR BIO-2, DR BIO-3, BIO-11, DR BIO-12, DR BIO-13
Cal. Code Regs. Tit. 20 § 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	Appendix 4.4-A Executive Summary (p. ES-1), Section 2 (p. 2-1), Section 2.3, Appendix 4.4-D	No	See DR BIO-13
Cal. Code Regs. Tit. 20 § 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.	Appendix 4.4-A Section 2.2, Appendix 4.4-D	Yes	
[OPT-IN ONLY] Cal. Code Regs., tit. 20, § 1877 (a)	If the applicant is seeking incidental take authorization as described in California Fish and Game Code section 2081(b), the application shall include the information required in California Code of Regulations, title 14, section 783.2(a)(1)-(a)(10). If the applicant is seeking lake and streambed alteration authorization under Fish and Game Code section 1602, the application shall include the information required in California Fish and Game Code section 1602(a)(1)(A)-(F).	Appendix 4.4-A, Sections 4.1, 4.2 and 4.3, Vol 1 Part 3 Subsections 4.4.3.8, and 4.4.8.	No	See DR BIO-2, DR BIO-3, DR BIO-4, DR BIO-7, DR BIO-12, DR BIO-13, DR BIO-14

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Technical Area: **Biological Resources** Project: Corby Battery Energy Storage System Technical Staff: Julie Myrah

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.	Appendix 4.4-A Executive Summary (p. ES-1), Vol 1 Part 3 Subsections 4.4.3, 4.4.3.6, 4.4.4, 4.4.5 and 4.4.9.	No	See DR BIO-8, DR BIO-14, DR BIO-15
Appendix B (g) (13) (A)	A regional overview and discussion of terrestrial and aquatic wildlife resources, with particular attention to sensitive biological resources within 10 miles of the project. In the discussion include a list of the USGS topographic quadrangle(s) utilized to search records from the California Natural Diversity Database (CNDDB), and a citation which includes the date the CNDDB was accessed. Include a map at a scale of 1:6,000 (under confidential cover) and at 1:350,000 (for public) showing	Appendix 4.4-A Executive Summary (p. ES-1), Section 1.1, Table 1, Section 2.0, Figure 5 (p. 3-11), Vol 1 Part 3 Subsection 4.4.2.2, Figures 4.4-1 and 4.4-2	No	See DR BIO-10

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Technical Area: **Biological Resources** Project: Corby Battery Energy Storage System Technical Staff: Julie Myrah

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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. Label the biological resources and survey areas as well as the project facilities. Sensitive biological resources include:			
Appendix B (g) (13) (A) (i)	species listed under state or federal Endangered Species Acts;	Appendices 4.4-A Section 3.4, Figure 5, Tables 3 and 4, Appendices 4.4-B and 4.4-C	No	See DR BIO-11, DR BIO-12, DR BIO-13
Appendix B (g) (13) (A) (ii)	species receiving consideration during environmental review under CEQA Guidelines 14 CCR Section 15380;	Appendix 4.4-A Subsections 1.3.2.1, 1.3.2.5, 1.3.2.6, and Section 3.4, Figure 5, Tables 3 and 4	No	See DR BIO-11, DR BIO-12
Appendix B (g) (13) (A) (iii)	species identified as state Fully Protected;	Appendix 4.4-A Subsection 1.3.2.2, and Section 3.4, Figure 5, Tables 3 and 4	Yes	
Appendix B (g) (13) (A) (iv)	species covered by Migratory Bird Treaty Act;	Appendix 4.4-A Subsections 1.3.1.2, and Section 3.4, Figure 5, Table 4, Appendix 4.4-B	No	See DR BIO-11, DR BIO-13
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 CNDDB, California Fish and Game Code, Title 14 of the California Code of Regulations, or where	Appendix 4.4-A Subsection 1.3.3, and Section 3.4, Figure 5, Tables 3 and 4	No	See DR BIO-11, DR BIO-12, DR BIO-13

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Technical Area: **Biological Resources** Project: Corby Battery Energy Storage System Technical Staff: Julie Myrah

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission or other responsible agency;			
Appendix B (g) (13) (A) (vi)	locally significant species that are rare or uncommon in a local context such as county or region or is so designated in local or regional plans, policies, or ordinances;	Appendix 4.4-A Section 3.4, Figure 5, Tables 3 and 4	No	See DR BIO-11, DR BIO-12, DR BIO-13
Appendix B (g) (13) (A) (vii)	plant species listed as rare under the California Native Plant Protection Act;	Appendix 4.4-A Subsection 1.3.2.8, and Section 3.4, Table 3	Yes	
Appendix B (g) (13) (A) (viii)	established native resident or migratory wildlife corridors or wildlife nursery sites.	Appendix 4.4-A Section 3.3	Yes	
Appendix B (g) (13) (B)	Include a list of the species and habitat(s) 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 the following:	Appendix 4.4-A Section 3.4 (p. 3-10), Figure 5 (p. 3-11), Tables 3 and 4 (pp. 3-12 to 3-32), Appendix B (pp. B-1 to B-3)	No	See DR BIO-1
Appendix B (g) (13) (B) (i)	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 (provided under confidential cover) and 1:350,000 (for public viewing) that show the proposed project site and related facilities, biological resources including,	Appendix 4.4-A Figure 5 (p. 3-11), Figure 6 (p. 3-34), Vol 1 Part 3 Figure 4.4-1	No	See DR BIO-16

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	but not limited to, those found during project-related field surveys and in records from the CNDDB, and the associated areas where biological surveys were conducted. Label the biological resources and survey areas as well as the project facilities.			
Appendix B (g) (13) (B) (ii)	Provide an aerial map of the isopleth graphic depicting modeled nitrogen deposition rates. The geographical extent of the nitrogen deposition map(s) should include the entire plume and a radius of 6 (six) miles from the source, specifically identifying acres of sensitive habitat(s) within each isopleth Modeling parameters and files shall be provided.		No	See DR BIO-6
Appendix B (g) (13) (B) (iii)	An aerial photo depicting state and federal jurisdictional features including state waters and wetlands delineated on maps at a scale of (1:2,400) showing any potential jurisdictional features 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, Regional Water Quality Control Board (RWQCB) application, or California Department of Fish and Wildlife Section 1600 et seq.	Appendix 4.4-D, Appendix A	No	**See DR BIO-2, DR BIO-3**

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	permit requirements. 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 and under the jurisdiction of the California Coastal Commission.			
Appendix B (g) (13) (B) (iv)	Provide Geographic Information System (GIS) data (shape and/or geodatabase files) for all data mapped for biological resources.	Separate Cover	Yes	
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:	Appendix 4.4-A Section 3.4, Subsections 3.4.1 to 3.4.3 (p. 3-33), Vol 1 Part 3 Subsection 4.4.2	Yes	
Appendix B (g) (13) (C) (i)	A list of sensitive species and habitats with a potential to occur (defined in (A) above) and include status (state, federal, California Native Plant Society, global rank, state rank, etc.)	Appendix 4.4-A Section 3.4, Table 2, Figure 5, Tables 3 and 4 (pp. 3-10 to 3-32), Vol 1 Part 3 Subsection 4.4.2	Yes	

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (13) (C) (iii)	Perform nitrogen deposition modeling including the complete citation for references used in determining deposition rates and location. Specify the amount of total annual nitrogen deposition in kilograms of nitrogen per hectare per year (kg N/ha/yr) in special status species habitats and vegetation types for wet and dry deposition. Describe habitat and species potentially affected.		No	See DR BIO-6
Appendix B (g) (13) (D)	A description and results of all field studies and specialized surveys (e.g., focused and protocol) used to provide biological baseline information about the project site and associated facilities. Include copies of the CNDDB 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:	Appendix 4.4-A Sections 2. (p. 2-1), 2.3, 2.4, 2.5 (pp. 2-3 to 2-5)	No	See DR BIO-1, DR BIO-5
Appendix B (g) (13) (D) (i)	Current biological resources surveys conducted using appropriate field survey protocols (include references) during the appropriate season(s). State and federal agencies with jurisdiction shall be consulted for field survey protocol	Appendix 4.4-A Section 2.3, Subsections 2.3.1, 2.3.2, and 2.3.3 (p. 2-3)	No	See DR BIO-9

DATA COMPLETENESS WORKSHEET

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	guidance prior to surveys if a protocol exists.			
Appendix B (g) (13) (D) (ii)	If the project or any related facilities could impact federal or state jurisdictional wetland, provide completed Army Corps of Engineers wetland delineation forms or determination of wetland status pursuant to Coastal Act or CDFW requirements, as applicable to the location, name(s) and qualifications of biologist(s) completing the delineation, the results of the delineation and a table showing jurisdictional features including state waters and wetland acreage amounts to be impacted.	Appendix 4.4-A Section 3.1, Subsection 3.1.2, Figure 4 (p. 3-4 to 3-7), Subsections 3.1.2.3 and 3.1.2.4 (p. 3-8) Appendix 4.4-D Subsection 1.8.2.1 (pp. 1-6 and 1-7), Appendix E	No	See DR BIO-2, DR BIO-3, ~~DR BIO-9,~~ DR BIO-17
Appendix B (g) (13) (E))	Impacts discussion of all impacts (direct, indirect, and cumulative) to biological resources from project site preparation, construction activities, plant operation, maintenance, closure, and decommissioning. Discussion shall also address sensitive species habitat impacts from air emissions (i.e., nitrogen deposition);	Appendix 4.4-A Section 3.1 to 3.5, Tables 3 and 4, Vol 1 Part 3 Subsections 4.4.3, and 4.4.4.	No	See DR BIO-1, DR BIO-2, DR BIO-3, DR BIO-11, DR BIO-12, DR BIO-13, DR BIO-14, DR BIO-15 and DR BIO-18
Appendix B (g) (13) (F)	A discussion of all feasible mitigation measures and an evaluation of their anticipated efficacy in reducing the level of impacts, including, but not limited to the following:	Vol 1 Part 1 Section 2.8 (pp. 2-23 to 2-26), Appendix 4.4-A, Subsection 4.4.5	No	See DR BIO-7, DR BIO-12, and DR BIO-14

DATA COMPLETENESS WORKSHEET

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Technical Area: **Biological Resources** Project: Corby Battery Energy Storage System Technical Staff: Julie Myrah

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (13) (F) (i)	All measures proposed to avoid and/or reduce adverse impacts to biological resources.	Vol 1 Part 1 Section 2.8 (pp. 2-23 to 2-26), Appendix 4.4-A, Subsections 4.4.3 and 4.4.5	No	See DR BIO-8, DR BIO-13, and DR BIO-18
Appendix B (g) (13) (F) (ii)	All off-site habitat mitigation such as habitat improvement or compensation including management, and an identification of appropriate agency contacts for coordination and verification of proposed habitat mitigation measures.	Appendix 4.4-A, Subsection 4.4.5.2	Yes	
Appendix B (g) (13) (F) (iii)	Educational programs to enhance employee awareness during construction and operation to protect biological resources.	Vol 1 Part 1 Section 2.8 (p. 2-24), Appendix 4.4-A, Subsection 4.4.5	Yes	
Appendix B (g) (13) (G)	A discussion of compliance and monitoring programs to ensure the effectiveness of impact avoidance and mitigation measures incorporated into the project.	Vol 1 Part 1 Section 2.8 (pp. 2-23 to 2-26), Appendix 4.4-A, Subsection 4.4.5	Yes	
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 CDFW, and the RWQCB will be required for the proposed project.	Appendix 4.4-A, Subsection 4.4.7, (p. 4.4-51), Appendix 4.4-E	Yes	

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Biological Resources** Project: Corby Battery Energy Storage System Technical Staff: Julie Myrah

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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	Appendix 4.4-A, Subsections 4.1.6 (pp. 4.1-20), and 4.4.6.	No	See DR BIO-4
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.	Appendix 4.4-A, Subsections 4.4.6 and 4.4.8	Yes	
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.	Appendix 4.4-A, Subsection 4.4.7, Table 4.4-6 (p. 4.4-51)	Yes	
Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission	Appendix 4.4-A, Subsection 4.4.8.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Biological Resources** Project: Corby Battery Energy Storage System Technical Staff: Julie Myrah

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Ann Crisp

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	will be obtained and the steps the applicant has taken or plans to take to obtain such permits.			

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Cultural Resources and Tribal Cultural Resources** Project: Corby Battery Energy Storage System Technical Staff: L.DeOliveira/R.Hatheway/M.Hoke

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: William Larson

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A), 1877(a)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document;	Section 4.5, pp. 4.5-10 to 4.5-13; Section 4.18, p. 4.18-2; Appendix 4.5-A, pp. 6-1 to 6-7	Yes	
Cal. Code Regs. Tit. 20 § 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	Section 4.5, pp. 4.5-10 to 4.5-32; Section 4.18, p. 4.18-2; Appendix 4.5-A, pp. 6.1 to 8.1	Yes	
Cal. Code Regs. Tit. 20 § 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.	Appendix 4.5-A, pp. 6.1 to 6.4 and pp. 9-1 to 9-3; Section 4.18, pp. 4.18-1 to 4.18-2	Yes	
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. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference	Section 4.5, pp. 4.5-10 to 4.5-32, and pp. 4.5-33 to 4.5-38; Section 4.18, pp. 4.18-1 to 4.18-4	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Cultural Resources and Tribal Cultural Resources** Project: Corby Battery Energy Storage System Technical Staff: L.DeOliveira/R.Hatheway/M.Hoke

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: William Larson

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	materials used such as general plan or other adopted local, regional, or statewide plan.			
Appendix B (g) (2)	Cultural resources and tribal cultural resources together comprise objects, buildings, structures, sites, features, areas, places, records, sacred places, cultural landscapes, or manuscripts, all of which may have significance according to criteria outlined in sections 21074 and 21084.2 of the Public Resources Code.	---	--	--
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. This regional summary must address the potential for buried cultural resources and tribal cultural resources to occur in the project area. The summary, together with literature search results, must inform the field methods employed for identifying cultural resources and tribal cultural resources in the project area.	Section 4.5, pp. 4.5-2 to 4.5-13; Section 4.18, p. 4.18-1; Appendix 4.5-A, pp. 5-1 to 6-7	No	See DR CUL/TRI-1
Appendix B (g) (2) (B)	The results of a literature search to identify cultural resources and tribal cultural resources within an area not less than a 1-mile radius around the project site and not less that than one-	Section 4.5, pp. 4.5-10 to 4.5-12; Appendix 4.5-A, pp. 6-1 to 6-6; Appendix 4.5-A, Appendix C, pp.1 to 6; and Appendix 4.5-A, Appendix E	No	See DR CUL/TRI-2, DR CUL/TRI-3, DR CUL/TRI-4.

DATA COMPLETENESS WORKSHEET

Completeness:	Complete ___ Incomplete **X**			Revision No. 0	Date:	December 2024	
Technical Area:	**Cultural Resources and Tribal Cultural Resources**	Project:	Corby Battery Energy Storage System		Technical Staff:	L.DeOliveira/R.Hatheway/ M.Hoke	
Project Manager:	Renee Longman	Docket:	24-OPT-05		Technical Senior:	William Larson	

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	quarter (0.25) mile on each side of the linear facilities. Identify any cultural resources or tribal 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 and tribal 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 §4853) shall be provided for all cultural resources and tribal 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-minute quadrangle map of the literature search area delineating the areas of all past surveys and noting the California Historical Resources Information System (CHRIS) identifying			

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Cultural Resources and Tribal Cultural Resources** Project: Corby Battery Energy Storage System Technical Staff: L.DeOliveira/R.Hatheway/M.Hoke

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: William Larson

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	number shall be provided. Copies also shall be provided of all technical reports whose survey coverage is wholly or partly within 0.25 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.			
Appendix B (g) (2) (C)	The results of new cultural resource and tribal resource 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 and tribal 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 feet around the project site, substations and staging areas, and to no less than 50 feet to either side of the right-of-way of project linear facility routes.	Section 4.5, Appendix 4.5-A	No	See DR CUL/TRI 5, DR CUL/TRI-6, and DR CUL/TRI-7

DATA COMPLETENESS WORKSHEET

Completeness:	Complete ___ Incomplete **X**			Revision No. 0	Date:	December 2024	
Technical Area:	**Cultural Resources and Tribal Cultural Resources**	Project:	Corby Battery Energy Storage System		Technical Staff:	L.DeOliveira/R.Hatheway/ M.Hoke	
Project Manager:	Renee Longman	Docket:	24-OPT-05		Technical Senior:	William Larson	

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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 0.5 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. 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			

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Cultural Resources and Tribal Cultural Resources** Project: Corby Battery Energy Storage System Technical Staff: L.DeOliveira/R.Hatheway/M.Hoke

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: William Larson

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	submitted (under confidential cover if archaeological resource or other sensitive resource locations are included). Information included in the technical report shall also be provided in the application, other sensitive resources, 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:			
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);	Appendix 4.5-A, pp. 5-1 to 6.5	Yes	
Appendix B (g) (2) (C) (ii)	The survey procedures and methodology used to identify cultural and tribal cultural resources and a discussion of the cultural and tribal resources identified by the survey;	Appendix 4.5-A, pp. 6-6 to 7-4	Yes	
Appendix B (g) (2) (C) (iii)	Copies of all new and updated DPR 523(A) forms. If a cultural resource or tribal cultural resource may be impacted by the project, also include the appropriate DPR 523 detail form for each such resource;	Appendix 4.5-A, Appendix E	No	DR CUL/TRI-8

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Cultural Resources and Tribal Cultural Resources** Project: Corby Battery Energy Storage System Technical Staff: L.DeOliveira/R.Hatheway/M.Hoke

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: William Larson

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (2) (C) (iv)	A map at a scale of 1:24,000 (U.S. Geological Survey topographic quadrangle) depicting the locations of all previously known and newly identified cultural and tribal cultural resources compiled through the research required by Appendix B (g)(2)(B) and Appendix B (g)(2)(C) (ii); and	Appendix 4.5-A, Appendix A	Yes	
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.	Appendix 4.5-A, Appendix B	No	See DR CUL/TRI-9
Appendix B (g) (2) (D) (i)	A copy of the applicant's 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.	Appendix 4.5-A, Appendix D	Yes	
Appendix B (g) (2) (D) (ii)	A copy of all correspondence sent to Native American individuals and groups listed by the NAHC and copies of all responses. Notification to Native Americans shall include a project description and map.	Appendix 4.5-A, Appendix D	Yes	
Appendix B (g) (2) (D) (iii)	A written summary of any oral responses.	Appendix 4.5-A, Appendix D	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Cultural Resources and Tribal Cultural Resources** Project: Corby Battery Energy Storage System Technical Staff: L.DeOliveira/R.Hatheway/M.Hoke

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: William Larson

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (2) (E)	Include in the discussion of proposed mitigation measures required by (g)(1):	--	--	--
Appendix B (g) (2) (E) (i)	A discussion of measures proposed to mitigate project impacts to known cultural and tribal cultural resources;	Section 4.5.5, pp. 4.5-35 to 4.5-38; Section 4.18, p. 4.18-4; Appendix 4.5-A	Yes	
Appendix B (g) (2) (E) (ii)	A set of contingency measures proposed to mitigate potential impacts to previously unknown cultural and tribal cultural resources and any unanticipated impacts to known cultural or tribal cultural resources; and	Section 4.5, pp. 4.5-35 to 4.5-38; Section 4.18, p. 4.18-4; Appendix 4.5-A, pp. 8-1 to 8-3	Yes	
Appendix B (g) (2) (E) (iii)	Educational programs to enhance employee awareness during construction and operation to protect cultural and tribal cultural resources.	Section 4.5, pp. 4.5-35 to 4.5-38; Section 4.18, p. 4.18-4; Appendix 4.5-A, pp. 8-1 to 8-3	Yes	
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 1.0, pp. 1-11 to 1-13; Section 4.5, pp. 4.5-38 to 4.5-42; Section 4.18, pp. 4.18-4 to 4.18-9	Yes	

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Technical Area: **Cultural Resources and Tribal Cultural Resources** Project: Corby Battery Energy Storage System Technical Staff: L.DeOliveira/R.Hatheway/M.Hoke

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: William Larson

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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 4.5, pp. 4.5-38 to 4.5-42; Section 4.18, pp. 4.18-4 to 4.18-9	Yes	
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.	Section 4.5, p. 4.5-42; Section 4.18, pp. 4.18-7 to 4.18-9	Yes	
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.	Section 4.5, p. 4.5-43; Section 4.18, p. 4.18-9	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Efficiency, Energy and Energy Resources** Project: Corby Battery Energy Storage System Technical Staff: Ardalan Sofi

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	N/A	N/A	N/A
Cal. Code Regs. Tit. 20 § 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	N/A	N/A	N/A
Cal. Code Regs. Tit. 20 § 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;	N/A	N/A	N/A
Appendix B (h) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	N/A	N/A	N/A
Appendix B (h) (4) (B)	Annual fuel consumption in BTUs for each mode of operation, including hot restarts and cold starts.	N/A	N/A	N/A
Appendix B (h) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation including starts and shutdowns.	N/A	N/A	N/A

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Efficiency, Energy and Energy Resources** Project: Corby Battery Energy Storage System Technical Staff: Ardalan Sofi

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (h) (4) (D)	Number of hours the plant will be operated in each design condition in each year.	Subsection 1.1.4, pp. 1-9 to 1-10.	Yes	
Appendix B (h) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	N/A
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 1.4, pp. 1-14 to 1-15; Section 5.5, pp. 5-16 to 5-18.	Yes	
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
Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to	N/A	N/A	N/A

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Efficiency, Energy and Energy Resources** Project: Corby Battery Energy Storage System Technical Staff: Ardalan Sofi

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
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
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Executive Summary** Project: Corby Battery Energy Storage System Technical Staff: Renee Longman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 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.	Section 3.0, pp. 3-1 to 3-23; Section 4.0, pp. 4-1 to 4.20-27; Section 5.0, pp. 5-1 to 5-20; Appendix 1-D	Yes	
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.	Section 2.0, pp. 2-1 to 2-31	Yes	
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.	Section 2.1, p. 2-1. Figure 1-3, p. 1-6.	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Subsection 2.1, pp. 2-1 to 2-2. Subsection 2.2, p. 2-2. Figure 1-1, p. 1-4. Figure 1-2, p. 1-5. Figure 1-3, p. 1-6.	Yes	
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	Figure 1-4, p. 1-7. Figure 1-5, p. 1-8	Yes	

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Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Executive Summary** Project: Corby Battery Energy Storage System Technical Staff: Renee Longman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	site and all project components at the site, after construction.			
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. Provide the direct mailing addresses for the owners and occupants of properties contiguous to the proposed power plant, related facilities, transmission lines, or other linear facilities as shown on the latest equalized assessment roll. Provide a map showing the parcels in the notice area.	Appendix 1-A	Yes	
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.	Section 1.2, p. 1-14. Table 2-1, p. 2-15. Subsection 2.4.4, pp. 2-16 to 2-18.	Yes	
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	Subsection 1.3.1, p. 1-14. Appendix 1-A	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Executive Summary** Project: Corby Battery Energy Storage System Technical Staff: Renee Longman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	description of their legal interest in these facilities.			
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Subsection 1.3.2, p. 1-14.	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in (a)(3)(A) and (B).	Subsection 1.3.2, p. 1-14.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Facility Design** Project: Corby Battery Energy Storage System Technical Staff: Ardalan Sofi

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	N/A	N/A	N/A
Cal. Code Regs. Tit. 20 § 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	N/A	N/A	N/A
Cal. Code Regs. Tit. 20 § 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;	N/A	N/A	N/A
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.	Subsection 4.7.3.1, pp. 4.7-11 to 4.7-18; Subsection 4.9.3.1, pp. 4.9-9 to 4.9-10; Subsection 4.11.3.1, p. 4.11-27.	Yes	
Appendix B (h) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.			
Appendix B (h) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical	Subsection 4.7.3.1, pp. 4.7-11 to 4.7-18;	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024
Technical Area: **Facility Design** Project: Corby Battery Energy Storage System Technical Staff: Ardalan Sofi
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Appendix 2-A, pp. 01 00 04 - 1 to 01 00 04 - 3; Appendix 2-A, pp. 26 00 02 - 1 to 26 00 02 – 2.		
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:	Section 2.0, pp 2-1 to 2-31; Figure 2-1, p. 2-5; Figure 2-2a, p.2-6; Figure 2-2b, p.2-7.	Yes	
Appendix B (h) (1) (D) (i)	The power generation system;	N/A	N/A	N/A
Appendix B (h) (1) (D) (ii)	The heat dissipation system;	Subsection 2.3.2, pp. 2-3 to 2-4; Subsection 4.20.3.1, pp. 4.20-11 to 4.20-12.	Yes	
Appendix B (h) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	N/A	N/A	N/A
Appendix B (h) (1) (D) (iv)	The atmospheric emission control system;	N/A	N/A	N/A
Appendix B (h) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Subsection 4.19.1, pp. 4.19-4 to 4.19-5; Subsection 4.19.3.2, p. 4.19-11.	Yes	
Appendix B (h) (1) (D) (vi)	The noise emission abatement system;	Subsection 2.3.2.5, p. 2-9; Subsection 4.13.3.3, p. 4.13-10.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Facility Design** Project: Corby Battery Energy Storage System Technical Staff: Ardalan Sofi

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (h) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	N/A
Appendix B (h) (1) (D) (viii)	Switchyards/transformer systems; and	Subsection 2.3.2.3, p. 2-8; Subsection 3.2.3, p. 3-7; Appendix 2-A, p. 26 24 00 – 2.	Yes	
Appendix B (h) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Subsection 2.3.2.5, p. 2-9. Subsection 2.3.6, pp. 2-11 to 2-12; Subsection 4.9.2.1, p. 4.9-2; Subsection 4.19.3.2, p. 4.19-11.	Yes	
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
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	N/A	N/A	N/A

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Facility Design** Project: Corby Battery Energy Storage System Technical Staff: Ardalan Sofi

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.			
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
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Geological Hazards** Project: Corby Battery Energy Storage System Technical Staff: Kevin DeLano

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Section 4.7.2, pp. 4.7-1 to 4.7-11; Section 4.7.3, pp. 4.7-11 to 4.7-19;	No	Please see DR GEO-1 and DR GEO-2
Cal. Code Regs. Tit. 20 § 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	Section 4.7.1, p. 4.7-1; Section 4.7.2, pp. 4.7-1 to 4.7-11; Section 4.7.3, pp. 4.7-11 to 4.7-19; Section 4.7.4; p. 4.7-19.	No	Please see DR GEO-1 and DR GEO-2
Cal. Code Regs. Tit. 20 § 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;	Section 4.7.9, pp. 4.7-30 to 4.7-31;	Yes	
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	Section 4.7.1, p. 4.7-1; Section 4.7.2.1, pp. 4.7-1 to 4.7-2; Section 4.7.2.2, Tables 4.7-1 to 4.7-2, Figures 4.7-1 to 4.7-2, pp. 4.7-2 to 4.7-7; Section 4.7.2.3, Figure 4.7-3, Table 4.7-3, pp. 4.7-7 to 4.7-10;	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Geological Hazards** Project: Corby Battery Energy Storage System Technical Staff: Kevin DeLano

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	to verify the effectiveness of the mitigation. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.	Section 4.7.3.1, pp. 4.7-11 to 4.7-13, and 4.7-16 to 4.7-17; Section 4.7.3.2, pp. 4.7-18 to 4.7-19; Section 4.7.4, p. 4.7-19; Section 4.7.5, p. 4.7-20; Section 4.7.6, pp. 4.7-22 to 4.7-29;		
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities, including linear facilities.	Section 4.7.1, p. 4.7-1; Section 4.7.2.1, pp. 4.7-1 to 4.7-2; Section 4.7.2, pp. 4.7-2 to 4.7-7;	No	Please see DR GEO-1
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.	Section 4.7.1, p. 4.7-1; Section 4.7.2.1, pp. 4.7-1 to 4.7-2; Section 4.7.2.2, Tables 4.7-1 to 4.7-2, Figures 4.7-1 to 4.7-2, pp. 4.7-2 to 4.7-7; Section 4.7.2.3, Figure 4.7-3, Table 4.7-3, pp. 4.7-7 to 4.7-10; Section 4.7.3.1, pp. 4.7-11 to 4.7-13, and 4.7-16 to 4.7-17; Section 4.7.3.2, pp. 4.7-18 to 4.7-19;	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Geological Hazards** Project: Corby Battery Energy Storage System Technical Staff: Kevin DeLano

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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.	Section 4.7.2.4, pp. 4.7-10 to 4.7-11	No	Please see DR GEO-1
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 4.7.6, pp. 4.7-22 to 4.7-29;	No	Please see DR GEO-2
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	Section 4.7.7, Table 4.7-6, pp. 4.7-29 to 4.7-30.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Geological Hazards** Project: Corby Battery Energy Storage System Technical Staff: Kevin DeLano

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.			
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.	Section 4.7.7, Table 4.7-6, pp. 4.7-29 to 4.7-30.	Yes	
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.	Section 4.7.8, Table 4.7-7, p. 4.7-30.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Hazardous Materials Handling** Project: Corby Battery Energy Storage System Technical Staff: Aurie Patterson

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.9.2, pp. 4.9-1 to 4.9-9; Subsection 4.9.3, pp. 4.9-9 to 4.9-25; Subsection 4.9.4, pp. 4.9-25 to 4.9-27; Appendix 4.9-A	Yes	
Cal. Code Regs. Tit. 20 § 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	Subsection 4.9.2,p. 4.9-4; Appendix 4.9-A	Yes	
Cal. Code Regs. Tit. 20 § 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;	Subsection 4.9.9, p. 4.9-38; Appendix 4.9-A	Yes	
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. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or	Subsection 2.3.5, p. 2-11; Subsection 4.9.2, pp. 4.9-1 to 4.9-9; Subsection 4.9.3, pp. 4.9-9 to 4.9-25; Subsection 4.9.4, pp. 4.9-25 to 4.9-27; Subsection 4.9.5, 4.9-27 to 4.9-29; Appendix 4.9-A	No	See DR HAZ-1, DR HAZ-2, DR HAZ-8

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Hazardous Materials Handling** Project: Corby Battery Energy Storage System Technical Staff: Aurie Patterson
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	other adopted local, regional, or statewide plan.			
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, § 66261.20 et seq., and a discussion of the toxicity of each material.	Subsection 4.9.2.1, pp. 4.9-4 to 4.9-7; Table 4.9-1, pp. 4.9-5 to 4.9-6; Table 4.9-2, pp. 4.9-6 to 4.9-7	No	See DR HAZ-3, DR HAZ-4, and DR HAZ-7
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, daycare facilities, and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 4.9-1, p. 4.9-3	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Subsection 2.3.5, p. 2-11; Subsection 4.9.2.1, pp. 4.9-4 to 4.9-7; Table 4.9-1, pp. 4.9-5 to 4.9-6; Table 4.9-2, pp. 4.9-6 to 4.9-7; Subsection 4.9.3.4, pp. 4.9-17 to 4.9-22	No	See DR HAZ-3 to DR HAZ-6
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site 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 application is complete.	NA	NA	NA

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Hazardous Materials Handling** Project: Corby Battery Energy Storage System Technical Staff: Aurie Patterson

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Subsection 4.9.2.1, p. 4.9-8; Table 4.9-7, pp. 4.9-29 to 4.9-31	No	See DR HAZ-9
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Subsection 4.9.3.4, pp. 4.9-17 to 4.9-22; Subsection 4.9.5, pp. 4.9-27 to 4.9-29	No	See DR HAZ-8
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Subsection 4.9.3.1, pp. 4.9-9 to 4.9-14, Subsection 4.9.3.4, pp. 4.9-23 to 4.9-24; Subsection 4.9.3.5, p. 4.9-25	No	See DR HAZ-10 and DR HAZ-11
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 4.9-7, pp. 4.9-29 to 4.9-31; Table 4.9-8, pp. 4.9-32 to 49-37	Yes	
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	Section 4.9, Table 4.9-11, p. 4.9-37	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Hazardous Materials Handling** Project: Corby Battery Energy Storage System Technical Staff: Aurie Patterson
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	authority, but for the exclusive authority of the Commission to certify sites and related facilities.			
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.	Section 4.9, Table 4.9-9, p. 4.9-36	Yes	
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.	Section 4.9, Table 4.9-11, p. 4.9-37	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Land Use** Project: Corby Battery Energy Storage System Technical Staff: Negar Vahidi

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.2.2, pp. 4.2-1 to 4.2-2 Subsection 4.11.2, pp. 4.11-1 to 4.11-14 Appendix 4.2-B, pp. 3-1 to 4-1	No	See DR LAND-1
Cal. Code Regs. Tit. 20 § 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	Subsection 4.2.2, pp. 4.2-1 to 4.2-2 Subsection 4.11.2, pp. 4.11-1 to 4.11-14 Appendix 4.2-B, pp. 3-1 to 4-1	No	See DR LAND-1
Cal. Code Regs. Tit. 20 § 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;	Subsection 4.2.6, pp. 4.2-9 to 4.2-13 Subsection 4.11.3, pp. 4.11-15 to 4.11-29 Subsection 4.11.6, pp. 4.11-39 to 4.11-57 Appendix 4.2-A, pp. 1-1 to 5-1	No	See DR LAND-2
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	Subsection 4.11.2, pp. 4.11-1 to 4.11-14 Subsection 4.11.3, pp. 4.11-14 to 4.11-30 Subsection 4.11.4, pp. 4.11-30 to 4.11-39 Subsection 4.11.5, p. 4.11-39	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Land Use** Project: Corby Battery Energy Storage System Technical Staff: Negar Vahidi
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
Appendix B (g) (3) (A)	A discussion of existing land uses, general plan land use designations, and current zoning districts (including any overlay districts) 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:	Subsection 4.11.2, pp. 4.11-1 to 4.11-14	Yes	
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;	Subsection 4.11.2, pp. 4.11-1 to 4.11-14	Yes	

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Technical Area: **Land Use** Project: Corby Battery Energy Storage System Technical Staff: Negar Vahidi
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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;	Subsection 4.11.2, pp. 4.11-9 to 4.11-10, p. 4.11-12	Yes	
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	Subsection 4.11.2, pp. 4.11-12 to 4.11-14	Yes	
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.	Subsection 4.11.2, pp. 4.11-5 to 4.11-6	Yes	
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 and policies adopted by any federal, state, regional, or local planning agencies. The discussion shall	Subsection 4.11.2, pp. 4.11-7 to 4.11-14 Subsection 4.11.3, pp. 4.11-15 to 4.11-29 Subsection 4.11.8, p. 4.11-58 Appendix 4.2-A, pp. 1-1 to 5-1	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Land Use** Project: Corby Battery Energy Storage System Technical Staff: Negar Vahidi
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
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 and temporary laydown or staging area, will be located on a single legal parcel. The merger need not occur prior to a decision on the Application but must be	Section 2.0, pp. 2-1 to 2-2 Appendix 1-A, pp. 1 to 2	Yes	

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Land Use** Project: Corby Battery Energy Storage System Technical Staff: Negar Vahidi
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	completed prior to the start of construction.			
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:	Subsection 4.2.2, pp. 4.2-3 to 4.2-4 Subsection 4.11.2, p. 4.11-5 Appendix 4.2-A, pp. 1-1 to 4-1	Yes	
Appendix B (g) (3) (D) (i)	Land classifications as shown on the California Department of Conservation's Farmland Mapping and Monitoring Program's Important Farmland maps, crop types, irrigation systems, and any special cultivation practices;	Subsection 4.2.2, pp. 4.2-3 to 4.2-4 Subsection 4.11.2, p. 4.11-5 Appendix 4.2-A, pp. 1-1 to 4-1 Appendix 4.2-B, pp. 3-1 to 4-1	No	See DR LAND-1
Appendix B (g) (3) (D) (ii)	Whether agricultural land affected by the project was historically classified Farmland as defined by the California Department of Conservation (Prime Farmland, Farmland of Statewide Importance, or Unique Farmland) as specified in Public Resources Code section 21060.1; and	Subsection 4.2.2, pp. 4.2-3 to 4.2-4 Subsection 4.11.2, p. 4.11-5 Appendix 4.2-A, pp. 1-1 to 4-1	Yes	
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	Subsection 4.2.3, pp. 4.2-5 to 4.2-9 Appendix 4.2-A, pp. 1-1 to 4-1	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Land Use** Project: Corby Battery Energy Storage System Technical Staff: Negar Vahidi
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	the expiration or canceling of such contract.			
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	Subsection 1.5.5, pp. 1-17 to 1-19 Subsection 4.11.3, pp. 4.11-16 to 4.11-17 Appendix 4.11-A, pp. 1 to 4	No	See DR LAND-3
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.	Subsection 4.11.7, p. 4.11-57	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email	Subsection 4.11.7, p. 4.11-57	Yes	

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Land Use** Project: Corby Battery Energy Storage System Technical Staff: Negar Vahidi
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
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.	Subsection 4.11.8, p. 4.11-58	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Noise** Project: Corby Battery Energy Storage System Technical Staff: Tim Smith

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.13.1, pp. 4.13-1 to 4.13-4	Yes	
Cal. Code Regs. Tit. 20 § 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	Subsection 4.13.3.1 to 4.13.3.4, pp. 4.13-6 to 4.13-11	Yes	
Cal. Code Regs. Tit. 20 § 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;	Subsection 4.13.9, p. 4.13-21	Yes	
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. Describe the approach, list or	Subsection 4.13.2.3 to 4.13.3.4, pp. 4.13-4 to 4.13.11	Yes	

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Technical Area: **Noise** Project: Corby Battery Energy Storage System Technical Staff: Tim Smith

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
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.	Subsection 4.13.2, Figure 3.13-1, p. 4.13-5. App. 4.13-A, Appendix C, pp. 105 to 107.	Yes	
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	Subsection 4.13.2, Table, 4.13-4. App. 4.13-A, Subsection 3.1, pp 3-1 to 3-3. Appendix A, Tables 1-4, pp 85 to 101.	Yes	

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Technical Area: **Noise** Project: Corby Battery Energy Storage System Technical Staff: Tim Smith

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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 L_{10}, L_{50}, and L_{90} values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported in units of dB(A).			
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.	Subsection 4.13.3, Table 4.13-6. App. 4.13-A, Subsection 4.1, Tables 4-1 and 4-2.	Yes	
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	App. 4.13-A, Appendix C, pp. 105 to 106.	Yes	

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Technical Area: **Noise** Project: Corby Battery Energy Storage System Technical Staff: Tim Smith

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	the environment, within the area impacted by the proposed project.			
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.	App. 4.13-A, Subsection 4.1, Tables 4-1 and 4-2.	Yes	
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.	N/A	N/A	N/A
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	Subsection 4.13.6, pp 4.13-14 to 4.13-20. Table 4.13-17, pp 4.13-20.		

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Technical Area: **Noise** Project: Corby Battery Energy Storage System Technical Staff: Tim Smith

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	both construction and operation of the facility is discussed; and			
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
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
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Paleontological Resources** Project: Corby Battery Energy Storage System Technical Staff: Kevin DeLano

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Section 4.7.2.4, pp. 4.7-10 to 4.7-11; Appendix 4.7-A, Figures 1 to 5, pp. 3, 5, 9 to 10; Appendix 4.7-A, Attachment 1, pp. 1-1 to 1-2.	No	Please see DR PAL-1
Cal. Code Regs. Tit. 20 § 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	Section 4.7.2.4, p.p. 4.7-10 to 4.7-11; Section 4.7.3.1, p. 4.7-18; Section 4.7.3.2, p.p. 4.7-18 to 4.7-19; Section 4.7.4, p. 4.7-19; Appendix 4.7-A, Figures 1 to 5, pp. 3, 5, 9 to 10; Appendix 4.7-A, Attachment 1, pp. 1-1 to 1-2.	No	Please see DR PAL-1
Cal. Code Regs. Tit. 20 § 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;	Section 4.7.9, pp. 4.7-30 to 4.7-31; Appendix 4.7-A, p. 14.	Yes	
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	Section 4.7.2.1, pp. 4.7-1 to 4.7-2; Section 4.7.2.2, Table 4.7-1, Figures 4.7-1 to 4.7-2, pp. 4.7-2 to 4.7-7; Section 4.7.2.3, Figure 4.7-3, pp. 4.7-7 to 4.7-10;	Yes	

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Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	monitoring plans proposed to verify the effectiveness of the mitigation. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.	Section 4.7.2.4, pp. 4.7-10 to 4.7-11; Section 4.7.3.1, p. 4.7-18; Section 4.7.3.2, pp. 4.7-18 to 4.7-19; Section 4.7.4, p. 4.7-19; Section 4.7.5, p. 4.7-20; Section 4.7.6, pp. 4.7-22 to 4.7-29; Appendix 4.7-A, Figures 1 to 5, pp. 3, 5, 9 to 10; Appendix 4.7-A, Attachment 1, pp. 1-1 to 1-2.		
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.	Section 4.7.2.1, pp. 4.7-1 to 4.7-2; Section 4.7.2.2, Table 4.7-1, Figures 4.7-1 to 4.7-2, pp. 4.7-2 to 4.7-7; Appendix 4.7-A, Figures 1 to 2, pp. 3 to 5.	Yes	
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	Section 4.7.2.4, pp. 4.7-10 to 4.7-11; Appendix 4.7-A, Figures 1 to 2, pp. 3 to 5; Appendix 4.7-A, Attachment 1, pp. 1-1 to 1-2.	Yes	

DATA COMPLETENESS WORKSHEET

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Technical Area: **Paleontological Resources** Project: Corby Battery Energy Storage System Technical Staff: Kevin DeLano

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
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.	Section 4.7.2.4, pp. 4.7-10 to 4.7-11; Appendix 4.7-A, Figures 3 to 5, pp. 9 to 10.	Yes	
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.	Section 4.7.2.4, p.p. 4.7-10 to 4.7-11; Appendix 4.7-A, Figures 3 to 5, p.p. 7 to 11.	Yes	
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by	Section 4.7.3.1, p. 4.7-18; Section 4.7.3.2, p.p. 4.7-18 to 4.7-19; Section 4.7.4, p. 4.7-19;	Yes	

DATA COMPLETENESS WORKSHEET

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Technical Area: **Paleontological Resources** Project: Corby Battery Energy Storage System Technical Staff: Kevin DeLano

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.	Section 4.7.5, p. 4.7-20; Appendix 4.7-A, p.p. 12 to 13.		
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 4.7.6, p.p. 4.7-22 to 4.7-29; Appendix 4.7-A, p.p. 11 to 12	No	Please see DR PAL-1
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

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Technical Area: **Paleontological Resources** Project: Corby Battery Energy Storage System Technical Staff: Kevin DeLano

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Project: Corby Battery Energy Storage System

Technical Area: **Project Description** Technical Staff: L. Ng, M. Clayton, R. Longman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (b) (1)	In a section entitled, "Generation Facility Description, Design, and Operation" provide:	-	--	--
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;	Figure 1-2, p.1-5 Figure 1-3, p. 1-6	Yes	
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);	Figure 2-2a, p. 2-6 Figure 2-2b, p. 2-7	No	See DR PD-1
Appendix B (b) (1) (C)	A detailed description of the design, methods of construction (include depth of excavations and other ground disturbances) 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	Section 2.3 pp. 2-3 to 2-13, Section 2.4, pp. 2-13 to 2-20, Section 2.7, pp. 2-22.	No	See DR PD-2, DRs HAZ-1 to DR HAZ-11, DR TLSN-1, DRs TSD-1 to TSD-8, DR WASTE-1, DR WATER-1, DR WATER-4, DRs WILDFIRE-2 to DR WILDFIRE-6, DRs WS-1 to DR WS-17
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected, and the	Section 2.3.1, p. 2-3	No	See DR PD-3

DATA COMPLETENESS WORKSHEET

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Project: Corby Battery Energy Storage System

Technical Area: **Project Description** Technical Staff: L. Ng, M. Clayton, R. Longman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and other factors considered by the applicant.			
Appendix B (b) (2)	In a section titled, "Transmission Lines Description, Design, and Operation" provide:	--	--	--
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);	Figure 3-1, p. 3-2	No	See DR PD-4
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.	Figure 1-4, p. 1-7, Figure 1-5, p. 1-8, Appendix 4.1-A, pp. 24 to 29.	No	See DR PD-5
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	Section 3.2, p. 3-3 to 3-7 Section 3.3, p. 3-13 to 3-14 Figure 3-5a, p. 3-9 Figure 3-5b, p. 3-10 Figure 3-5c, p. 3-11	No	See DR TSD-1 See DR TSD-2

DATA COMPLETENESS WORKSHEET

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Project: Corby Battery Energy Storage System

Technical Area: **Project Description** Technical Staff: L. Ng, M. Clayton, R. Longman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.	Figure 3-6, p. 3-12		
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	Section 3.2, p. 3-3 to 3-8 Figure 3-1, p. 3-2 Figure 3-2, p. 3-4	No	See DR TSD-4 See DR TSD-5
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 a transmission system that is not controlled by the interconnecting utility (or California Independent System	Section 3.4.2, p. 3-15 to 3-16 Appendix 3-A	No	See DR TSD-6 See DR TSD-7 See DR TSD-8

DATA COMPLETENESS WORKSHEET

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Project: Corby Battery Energy Storage System

Technical Area: **Project Description** Technical Staff: L. Ng, M. Clayton, R. Longman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
Appendix B (b) (3)	Applications for geothermal facilities shall contain the following additional information:	N/A	N/A	N/A
Appendix B (b) (3) (A)	Maps at a scale of 1:24,000 (or appropriate map scale agreed to by staff) showing the location of the geothermal leaseholds, along with a description by section, township, range, county, and assessor's parcel numbers of the leaseholds;	N/A	N/A	N/A
Appendix B (b) (3) (B)	Full-page color photographic reproductions of the geothermal leaseholds;	N/A	N/A	N/A
Appendix B (b) (3) (C)	A description of the process by which the geothermal leasehold was selected and the consideration given to engineering constraints, site geology, environmental impacts, water, steam, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant. Include references to any environmental documents which address steam field development;	N/A	N/A	N/A

DATA COMPLETENESS WORKSHEET

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Project: Corby Battery Energy Storage System

Technical Area: **Project Description** Technical Staff: L. Ng, M. Clayton, R. Longman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (b) (3) (D)	A detailed description of the type, quality, and characteristics of the geothermal resource, including pressure and temperature flow rates, constituents and concentrations of non-condensable gases, and constituent concentrations of dissolved solids, and descriptions and concentrations of any substances potentially harmful to public health and safety or to the environment;	N/A	N/A	N/A
Appendix B (b) (3) (E)	Proposed locations of production and re-injection wells for the project. Include the applicant's assessment of geothermal resource adequacy, including the production history of those wells within the leaseholds dedicated to the project, including pressure decline curves as available; and	N/A	N/A	N/A
Appendix B (b) (3) (F)	A discussion of the potential impacts on the temperature, mineral content, and rate of flow of thermal springs affected by the project.	N/A	N/A	N/A
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 2.6, pp. 2-21 to 2-22	No	See DR PD-6

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Public Health** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.3.3, pp. 4.3-8 to 4.3-24	Yes	
Cal. Code Regs. Tit. 20 § 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	Subsection 4.3.3.1, pp. 4.3-8 to 4.3-12	Yes	
Cal. Code Regs. Tit. 20 § 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;	Subsection 4.3.9, pp. 4.3-32 to 4.3-33	Yes	
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	Subsection 4.3.2, pp. 4.3-1 to 4.3-8; Subsection 4.3.3, pp. 4.3-8 to 4.3-24; Subsection 4.3.4, pp. 4.3-24 to 4.3-25; Subsection 4.3.5, p. 4.3-25	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Public Health** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	any monitoring plans proposed to verify the effectiveness of the mitigation. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
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) (Health and Safety Code §§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).	Subsection 4.3.3.2, pp. 4.3-13 to 4.3-16; Appendix 4.3-A, Attachment C, pp. 173 to 182 of 182	Yes	
Appendix B (g) (9) (B)	A listing of the input data and output results, in both electronic and print formats, used to	Appendix 4.3-A, Attachment C, pp. 173 to 182	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Public Health** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	prepare the HARP health risk assessment.			
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.	Subsection 4.3.2, pp. 4.3-3 to 4.3-5	Yes	
Appendix B (g) (9) (D)	A map showing sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Appendix 4.3-A, Figure C-1, p. 182	Yes	
Appendix B (g) (9) (E)	For this section, the following definitions apply:	--	--	--
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;	Subsection 4.3.2.1, p. 4.3-4	Yes	
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	N/A	N/A

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Public Health** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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.	Subsection 4.3.3.3. Table 4.3-13, pp. 4.3-20 to 4.3-23; Appendix 4.3-A, Attachment C, pp. 173 to 182 of 182	Yes	
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	Subsection 4.3.6, pp. 4.3-26 to 4.3-31	Yes	
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	Subsection 4.3.7, p. 4.3-32	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Public Health** Project: Corby Battery Energy Storage System Technical Staff: Yifan Ding

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Wenjun Qian

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	authority of the Commission to certify sites and related facilities.			
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.	Subsection 4.3.7, p. 4.3-32	Yes	
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

DATA COMPLETNESS WORKSHEET

Completeness:	Complete ___ Incomplete **X**			Revision No.	0 Date: December 2024
Technical Area:	**Reliability**	Project:	Corby Battery Energy Storage System	Technical Staff:	Tim Smith
Project Manager:	Renee Longman	Docket:	24-OPT-05	Technical Senior:	Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	N/A	N/A	N/A
Cal. Code Regs. Tit. 20 § 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	N/A	N/A	N/A
Cal. Code Regs. Tit. 20 § 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;	N/A	N/A	N/A
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.	N/A	N/A	N/A
Appendix B (h) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the	Subsection 2.2.2.1, pp. 2-3 to 2-4. Section 2.5.2, p. 2-21.	Yes	

DATA COMPLETNESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Reliability** Project: Corby Battery Energy Storage System Technical Staff: Tim Smith
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	proposed facilities on consideration of:			
Appendix B (h) (3) (B) (i)	Expected overall availability factor, and annual and lifetime capacity factors;	Subsection 2.5.2, p. 2-21	No	See DR Reliablity-1
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;	Subsection 2.5.1, pp. 2-20 to 2-21.	Yes	
Appendix B (h) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	Section 3.4, pp. 3.4-1 to 3.4-4.	Yes	
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	Subsection 2.5.2, p. 2-21.	Yes	

DATA COMPLETNESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Reliability** Project: Corby Battery Energy Storage System Technical Staff: Tim Smith
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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
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 3.7, Table 3-1, p. 3-21.	Yes	
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,	N/A	N/A	N/A

DATA COMPLETNESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Reliability** Project: Corby Battery Energy Storage System Technical Staff: Tim Smith
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Shahab Khoshmashrab

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.			
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
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Socioeconomics** Project: Corby Battery Energy Storage System Technical Staff: Eileen Allen

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.14.3; Subsection 4.14.9, pp. 4.14-25 to 4.14-27; Subsection 4.15.9, pp. 4.15-9 to 4.15-10; Subsection 4.19.9, pp. 4.19-20 to 4.19-21	Yes	
Cal. Code Regs. Tit. 20 § 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	Subsection 4.14.3; Subsection 4.14.9, pp. 4.14-25 to 4.14-27; Subsection 4.15.9, pp. 4.15-9 to 4.15-10; Subsection 4.19.9, pp. 4.19-20 to 4.19-21	Yes	
Cal. Code Regs. Tit. 20 § 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;	Subsection 4.14.3; Subsection 4.14.9, pp. 4.14-25 to 4.14-27; Subsection 4.15.9, pp. 4.15-9 to 4.15-10; Subsection 4.19.9, pp. 4.19-20 to 4.19-21	Yes	
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	Subsection 4.14.2, pp. 4.14-1 to 4.14-5; Subsection 4.14.3, pp. 4.14-5 to 4.14-11; Subsection 4.14.4, p. 4.14-23; Subsection 4.15.2, pp. 4.15-1 to 4.15-3; Subsection 4.15.3, pp. 4.15-3 to 4.15-5; Subsection 4.15.4, p. 4.15-6	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Socioeconomics** Project: Corby Battery Energy Storage System Technical Staff: Eileen Allen

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	mitigation. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
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:	Subsection 4.14.2, pp. 4.14-1 to 4.14-5; Subsection 4.15.2, pp. 4.15-1 to 4.15-3	No	See DRs SOCIO-1, SOCIO-2, SOCIO-3
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;	Subsection 4.14.2.4, pp. 4.14-4 to 4.14-5	Yes	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Section 4.14.2.1, pp. 4.14-1 to 4.14-2; Subsection 4.14.3.4, p. 4.14-21	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Subsection 4.14.2.3, p. 4.14-4	No	See DR SOCIO-1
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by occupation required for construction and operation of the project;	Subsection 4.14.3.1, p. 4.14-8	No	See DR SOCIO-2

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Socioeconomics** Project: Corby Battery Energy Storage System Technical Staff: Eileen Allen

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing and current vacancy rate; and	Subsection 4.14.2.2, pp. 4.14-2 to 4.14-3	Yes	
Appendix B (g) (7) (A) (vi)	Capacities, service standards, 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, school districts, parks and recreation facilities, libraries, and other public facilities. 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.	Subsection 4.15.2, pp. 4.15-1 to 4.15-3; Subsection 4.19.3.1, pp. 4.19-7 to 4.19-8; Subsection 4.19.3.2, pp. 4.19-12 to 4.19-13	No	See DR SOCIO-3
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:	Subsection 4.14.3, p. 4.14-11 Environmental Analysis	No	See DR SOCIO-3, DR SOCIO-4, DR SOCIO-5, and DR SOCIO-6
Appendix B (g) (7) (B) (i)	An estimate of the number of workers to be employed each month by occupation during	Subsection 4.14.3.1, p. 4.14-7; Subsection 4.14.3.2, p. 4.14-11	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024
Technical Area: **Socioeconomics** Project: Corby Battery Energy Storage System Technical Staff: Eileen Allen
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	construction, and for operations, an estimate of the number of permanent operations workers during a year;			
Appendix B (g) (7) (B) (ii)	An estimate of the percentage of non-local workers who will relocate to the project area to work during the project construction and operation;	Subsection 4.14.3.1, p. 4.14-8; Subsection 4.14.3.2, p. 4.14-11	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Subsection 4.14.3.1, p. 4.14-8; Subsection 4.14.3.2, p. 4.14-11; Subsection 4.14.3.5, p. 4.14-22	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Subsection 4.14.3.1, pp. 4.14-8 to 4.14-9; Subsection 4.14.3.2, p. 4.14-11	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs and ability to meet local service standards, 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 protection, fire projection, emergency services, parks and recreation facilities,	Subsection 4.15.3, pp. 4.15- 3 to 4.15-5; Subsection 4.19.3.2, pp. 4.19-10 to 4.9-12	No	See DR SOCIO-3

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Socioeconomics** Project: Corby Battery Energy Storage System Technical Staff: Eileen Allen

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	libraries, and other public facilities. 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;			
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Subsection 4.15.2.4, p. 4.15-3	No	See DR SOCIO-4
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;	Subsection 4.14.3.1, p. 4.14-6; Subsection 4.14.3.2, p. 4.14-11	No	See DR SOCIO-5
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project;	Subsection 4.14.3.1, p. 4.14-6; Subsection 4.14.3.2, p. 4.14-12	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost (plant and equipment) of the project;	Subsection 4.14.3.1, p. 4.14-6	Yes	
Appendix B (g) (7) (B) (x)	An estimate of sales taxes generated during construction and separately during an operational year of the project;	Subsection 4.14.3.1, p. 4.14-10; Subsection 4.14.3.2, p. 4.14-12	No	See DR-SOCIO-6

DATA COMPLETENESS WORKSHEET

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Technical Area: **Socioeconomics** Project: Corby Battery Energy Storage System Technical Staff: Eileen Allen

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (xi)	An estimate of property taxes generated during an operational year of the project;	Subsection 4.14.3.2, p. 4.14-12	Yes	
Appendix B (g) (7) (B) (xii)	The expected direct, indirect, and induced income and employment effects due to construction and operation of the project; and	Subsection 4.14.3.1, p. 4.14-10; Subsection 4.14.3.2, p. 4.14-11	Yes	
Appendix B (g) (7) (B) (xiii)	A discussion of impacts to environmental justice populations by technical areas and whether any impacts would disproportionately affect the environmental justice populations.	Subsection 4.14.3.4, p. 4.14-21	Yes	
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	Subsection 4.14.6, pp. 4.14-24 to 4.14-25; Subsection 4.15.6, pp.4.15-6 to 4.15-8; Subsection 4.19.6, pp. 4.19-17 to 4.19-18	No	See DR SOCIO-7
Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws,	Subsection 4.14.7, p. 4.14-15; Subsection 4.15.7, p. 4.15-8; Subsection 4.19.7, p.4.19-19	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Socioeconomics** Project: Corby Battery Energy Storage System Technical Staff: Eileen Allen

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
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.	Subsection 4.14.7, p. 4.14-15; Subsection 4.15.7, p. 4.15-8; Subsection 4.19.7, p.4.19-19	Yes	
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.	Subsection 4.14.7, p. 4.14-15; Subsection 4.15.7, p. 4.15-8; Subsection 4.19.7, p.4.19-19	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Soils** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.7.2.3, pp. 4.7-7 to 4.7-10; Subsection 4.7.3, Impact 4.7-2, pp. 4.7-13 to 4.7-16; Subsection 4.7.4, p. 4.7-19; Subsection 4.7.5, p. 4.7-20	Yes	
Cal. Code Regs. Tit. 20 § 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	Subsection 4.7.2.3, pp. 4.7-7 to 4.7-10; Section 4.7.3, Impact 4.7-2, pp. 4.7-13 to 4.7-16; Subsection 4.7.4, p. 4.7-19; Subsection 4.7.5, p. 4.7-20	Yes	
Cal. Code Regs. Tit. 20 § 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;	Subsection 4.7.9, pp. 4.7-30 to 4.7-31	Yes	
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	Subsection 4.7.2.3, pp. 4.7-7 to 4.7-10; Figure 4.7-3, p. 4.7-8; Table 4.7-3, p. 4.7-9; Subsection 4.7.3, Impact 4.7-2, pp. 4.7-13 to 4.7-16; Subsection 4.7.4, p. 4.7-19; Subsection 4.7.5, p. 4.7-20	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Soils** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
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:	Subsection 4.7.2.3, Table 4.7-3, pp. 4.7-7 to 4.7-9	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil;	Subsection 4.7.2.3, Table 4.7-3, pp. 4.7-7 to 4.7-9	Yes	
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	Subsection 4.7.3, Impact 4.7-2, pp. 4.7-13 to 4.7-16	Yes	

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Technical Area: **Soils** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	potential, and cycling of pollutants in the soil-vegetation system;			
Appendix B (g) (15) (A) (iii)	The location of any proposed fill disposal or fill procurement (borrow) sites; and	Appendix 2-B, Drawing BCR-C-100-B	Yes	
Appendix B (g) (15) (A) (iv)	The location of any contaminated soils that could be disturbed by project construction.	Appendix 4.9-A, pp. 1 to 21 Appendices A-F	Yes	
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:	Subsection 4.11.2, Table 4.11-1, pp. 4.11-1 to 4.11-10; Subsection 4.11.3.1, Impact 4.11-2, pp. 4.11-15 to 4.11-29; Appendix 4.2-A, pp. 1-1 to 5-1; Appendix 4.2-B, pp. 1-1 to 4-1	Yes	
Appendix B (g) (15) (B) (i)	The quantification of accelerated soil loss due to wind and water erosion; and	Subsection 4.7.3, Impact 4.7-2, Table 4.7-4, Table 4.7-5, pp. 4.7-13 to 4.7-16; Appendix 4.7-B, pp. 1 to 6; Appendix 4.7-C, pp. 1 to 7; Appendix 4.10-A, Section 2.0, pp. 2-1 to 2-5, Appendix C	Yes	
Appendix B (g) (15) (B) (ii)	The effect of power plant emissions on surrounding soil-vegetation systems.	N/A	N/A	
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	Subsection 4.7.6, pp. 4.7-20 to 4.7-29	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Soils** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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			
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.	Subsection 4.7.7, Table 4.7-6, pp. 4.7-29 to 4.7-30	Yes	
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	Subsection 4.7.7, Table 4.7-6, pp. 4.7-29 to 4.7-30	Yes	

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Completeness: Complete **X** Incomplete ___ Revision No. 0 Date: December 2024

Technical Area: **Soils** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	contact person for Commission staff.			
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.	Subsection 4.7.8, Table 4.7-7, p. 4.7-30	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Traffic and Transportation** Project: Corby Battery Energy Storage System Technical Staff: Joakim Osthus, Amanda Wild

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsections 4.17.2.1 to 4.17.3.5, pp. 4.17-3 to 4.17-32	Yes	
Cal. Code Regs. Tit. 20 § 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	Subsections 4.17.2.1 to 4.17.3.5, pp. 4.17-3 to 4.17-32; Subsections 4.17.5.1 to 4.17.7, pp. 4.17-37 to 4.17-41	Yes	
Cal. Code Regs. Tit. 20 § 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;	Subsections 4.17.5.1 to 4.17.8, pp. 4.17-37 to 4.17-42	Yes	
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	Subsections 4.17.2.1 to 4.17.3.7, pp. 4.17-3 to 4.17-36	Yes	

DATA COMPLETENESS WORKSHEET

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Technical Area: **Traffic and Transportation** Project: Corby Battery Energy Storage System Technical Staff: Joakim Osthus, Amanda Wild

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	any monitoring plans proposed to verify the effectiveness of the mitigation. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
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.	Subsection 4.17.2.1, pp. 4.17-3 to 4.17-9	Yes	
Appendix B (g) (5) (B)	If the proposed project including any linear facility is to be located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction, discuss the project's compliance with the applicable sections of the current Federal Aviation Regulation Part 77 – Safe, Efficient Use, and Preservation of the Navigable Airspace, specifically any	Subsection 4.17.2.1, p. 4.17-5	Yes	

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Technical Area: **Traffic and Transportation** Project: Corby Battery Energy Storage System Technical Staff: Joakim Osthus, Amanda Wild

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	potential to obstruct or impede air navigation generated by the project during construction or operation; such as, a thermal plume, a visible water vapor plume, glare, electrical interference, or surface structure height. The discussion should include:			
Appendix B (g) (5) (B) (i)	A map at a scale of 1:24,000 that displays the airport or airstrip runway configuration, the airport influence area including all safety zones, and the proposed power plant site and related facilities.	Subsection 4.17.2.1, pp. 4.17-6 to 4.17-7		
Appendix B (g) (5) (B) (ii)	A thermal plume analysis that describes the plume's velocity;	N/A	N/A	
Appendix B (g) (5) (B) (iii)	A discussion of the project's conformance with applicable Airport Land Use Compatibility Plan policies; and	Subsection 4.17.2.1, p. 4.17-5	N/A	
Appendix B (g) (5) (B) (iv)	Copies of FAA Form 7460-1, Notice of Proposed Construction or Alteration, that were submitted or approved for any project component requiring notice.	N/A	N/A	
Appendix B (g) (5) (C)	An evaluation of the project's potential impacts related to	Subsection 4.17.3.5, pp. 4.17-31 to 4.17-34	Yes	

DATA COMPLETENESS WORKSHEET

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Technical Area: **Traffic and Transportation** Project: Corby Battery Energy Storage System Technical Staff: Joakim Osthus, Amanda Wild

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	vehicle miles traveled (VMT) that may include:			
Appendix B (g) (5) (C) (i)	The local jurisdiction's thresholds of significance;	Subsection 4.17.3.5, p. 4.17-31	Yes	
Appendix B (g) (5) (C) (ii)	Methodologies (such as local VMT Evaluation Tool);	N/A	N/A	
Appendix B (g) (5) (C) (iii)	VMT heat maps; and	N/A	N/A	
Appendix B (g) (5) (C) (iv)	Transportation demand management plans and any documents supporting the project applicant's CEQA determination.	Subsection 4.17.4, p. 4.17-36	No	See DR TRANS-1
Appendix B (g) (5) (D)	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:	Subsection 4.17.2, pp. 4.17-2 to 4.17-4	Yes	
Appendix B (g) (5) (D) (i)	Road classification and design capacity;	Subsection 4.17.2.1, pp. 4.17-3 to 4.17-8	Yes	
Appendix B (g) (5) (D) (ii)	Current daily average and peak traffic counts;	Subsection 4.17.2.2, pp. 4.17-10 to 4.17-12; Appendix 4.17-A	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Traffic and Transportation** Project: Corby Battery Energy Storage System Technical Staff: Joakim Osthus, Amanda Wild

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (5) (D) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Subsection 4.17.2.2, pp. 4.17-9 to 4.17-12; Appendix 4.17-C	Yes	
Appendix B (g) (5) (D) (iv)	Weight and load limitations;	Subsection 4.17.3.1, p. 4.17-18; Subsection 4.17.3.6, p. 4.17-35	Yes	
Appendix B (g) (5) (D) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Subsection 4.17.3.1, pp. 4.17-12 to 4.17-18	Yes	
Appendix B (g) (5) (D) (vi)	An identification of any road features affecting public safety.		No	See DR TRANS-2
Appendix B (g) (5) (E)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified in (g)(5)(D). 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)(D). Include:	Subsection 4.17.3.1 to 4.17.3.5, pp. 4.17-12 to 4.17-32; Subsection 4.17.3.6, pp. 4.17-32 to 4.17-34	Yes	
Appendix B (g) (5) (E) (i)	Estimated one-way trip lengths for workers, deliveries, and truck	Subsection 4.17.3.5, p. 4.17-32	Yes	

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Traffic and Transportation** Project: Corby Battery Energy Storage System Technical Staff: Joakim Osthus, Amanda Wild

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	haul trips generated by the construction of the project.			
Appendix B (g) (5) (E) (ii)	Description of public roadways and intersections temporarily or permanently altered by construction and operation including the duration of activities.	Subsection 4.17.3.6, pp. 4.17-34 to 4.17-35	Yes	
Appendix B (g) (5) (F)	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.	Subsection 2.4.7, pp. 2-19 to 2-20	Yes	
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	Subsection 4.17.5.1, pp. 4.17-37 to 4.17-40	Yes	

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Technical Area: **Traffic and Transportation** Project: Corby Battery Energy Storage System Technical Staff: Joakim Osthus, Amanda Wild

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	conformance, with each law or standard during both construction and operation of the facility is discussed; and			
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.	Subsection 4.17.6, p. 4.17-40	Yes	
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.	Subsection 4.17.6, p. 4.17-40	Yes	
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.	Subsection 4.17.7, p. 4.17-40	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ____ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Transmission System Safety and Nuisance** Project: Corby Battery Energy Storage System Technical Staff: Sudath Edirisuriya

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsections 3.5.1 to 3.5.4, pp. 3-16 to 3-20	No	See DR TLSN-1
Cal. Code Regs. Tit. 20 § 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	Subsections 3.5.1 to 3.5.4, pp. 3-16 to 3-20	Yes	
Cal. Code Regs. Tit. 20 § 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.	Section 3.8, p. 3-23	Yes	
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. Describe the approach, list or projection or a combination, used	Subsections 3.5.1 to 3.5.4, pp. 3-16 to 3-20; Sections 3.1 to 3.3.2, pp. 3-1 to 3-14; Figure 3.2, p. 3-4	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ____ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Transmission System Safety and Nuisance** Project: Corby Battery Energy Storage System Technical Staff: Sudath Edirisuriya

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
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.	Subsections 3.5.1 to 3.5.4, pp. 3-16 to 3-20; Sections 3.1 to 3.3.2, pp. 3-1 to 3-14; Figure 3.2, p. 3-4	Yes	
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.	Subsections 3.5.1 to 3.5.4, pp. 3-16 to 3-20	No	See DR TLSN-1
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.	Subsections 3.5.1 to 3.5.4, pp. 3-16 to 3-20	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ____ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Transmission System Safety and Nuisance** Project: Corby Battery Energy Storage System Technical Staff: Sudath Edirisuriya

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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 thex but could 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 3.7, Table 3-1, p. 3-22	Yes	
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.	Subsection 3.7.1, Table 3-2, pp. 3-22 to 3-23	Yes	
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.	Appendix 1-D	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ____ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Transmission System Safety and Nuisance** Project: Corby Battery Energy Storage System Technical Staff: Sudath Edirisuriya

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Transmission System Design** Project: Corby Battery Energy Storage System Technical Staff: Laiping Ng

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	N/A	N/A	N/A
Cal. Code Regs. Tit. 20 § 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	N/A	N/A	N/A
Cal. Code Regs. Tit. 20 § 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.	N/A	N/A	N/A
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.	Section 2.0, p. 2-1. Section 2.7, p.2-22	Yes	
Appendix B (h) (2) (B)	A discussion of the extent to which the proposed electric transmission	Section 2.2, p. 2-2 Section 2.3.2.3, p. 2-8	Yes	

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Transmission System Design** Project: Corby Battery Energy Storage System Technical Staff: Laiping Ng

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
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.	Section 3.2, p. 3-3 to 3-7 Section 3.3, p. 3-13 to 3-14 Figure 3-5a, p. 3-9 Figure 3-5b, p. 3-10 Figure 3-5c, p. 3-11 Figure 3-6, p. 3-12	No	See DR TSD-1 See DR TSD-2
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.	Section 3.2, p. 3-3 to 3-8 Figure 3-1, p. 3-2 Figure 3-2, p. 3-4	No	See DR TSD-4 See DR TSD-5
Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards,	Section 3.7, p. 3-21 to 3-22	No	See DR TSD-3

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Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Transmission System Design** Project: Corby Battery Energy Storage System Technical Staff: Laiping Ng

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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			
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
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Transmission System Design** Project: Corby Battery Energy Storage System Technical Staff: Laiping Ng

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.1.3.1, p. 4.1-6; Subsection 4.1.3.2, pp. 4.1-7 to 4.1-10; Appendix 4.1-A, Subsection 3.4, pp. 15 to 23.	No	See DR VIS-1
Cal. Code Regs. Tit. 20 § 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	Subsection 4.1.3.1, p. 4.1-6; Subsection 4.1.3.2, pp. 4.1-7 to 4.1-10; Appendix 4.1-A, Subsection 3.4, pp. 15 to 23.	No	See DR VIS-1
Cal. Code Regs. Tit. 20 § 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;	Subsection 4.1.2.1, pp. 4.1-1 to 4.1-2 and pp. 4.1-12 to 4.1-13; Subsection 4.1.3.2, p. 4.1-7; Subsection 4.1.6.1, p. 4.1-20; Appendix 4.1-A, Subsection 3.4, p. 15; Appendix 4.1-A, Subsection 4.3, p. 30; Appendix 4.1-A, Subsection 5.0, p. 34, Appendix 4.1-A, Subsection 6.2, p. 36.	Yes	
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	Subsection 4.1.2, pp. 4.1-1 to 4.1-6; Subsection 4.1.3.4, pp. 4.1-12 to 4.1-19; Subsection 4.1.4, pp. 4.1-19 to 4.1-20;	No	See DRs VIS-2, VIS-3, and VIS-7

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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. Describe the approach, list or projection (or a combination of) used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.	Subsection 4.1.5, p. 4.1-20; Subsection 4.1.6, pp. 4.1-20 to 4.1-21; Subsection 4.1.9, p. 4.1-21; Appendix 4.1-A, Subsection 4.0, pp. 30 to 34; Appendix 4.1-A, Subsection 5.0, pp. 34 to 35; Appendix 4.1-A, Subsection 6.0, pp. 36 to 45.		
Appendix B (g) (6) (A)	Provide a description of the existing landscape (built or natural) where the proposed project is to be sited and the vicinity, and along the proposed routes for any aboveground project-related linear facilities. Include:	Subsection 4.1.2, pp. 4.1-1 to 4.1-6; Appendix 4.1-A, Subsection 4.2, p. 30; Appendix 4.1-A; Appendix 4.1-A, Subsection 4.7, pp. 30-33;	Yes	
Appendix B (g) (6) (A) (i)	Show on a map(s) (pinpoint) any designated or recognized scenic vista and scenic resource within a five-mile radius of the project and one-mile radius of a project-related linear facility. Include:	Subsection 4.1.2; Figure 4.1-1; Appendix 4.1-A, Subsection 4.0, pp. 30-33.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (6) (A) (i) a.	Any designated scenic vista and scenic resource in an adopted federal, state, county, or city government planning document, plan, or regulation.	Subsection 4.1.2; Figure 4.1-1; Appendix 4.1-A, Subsection 4.0, pp. 30-33.	Yes	
Appendix B (g) (6) (A) (i) b.	A natural feature or object that is a part of the land, such as a geologic distinguishing characteristic (e.g., laccolith), geomorphologic feature (e.g., gorge), or other terrain feature (e.g., a water body, open space, or a tree recognized for its aesthetic, botanical and ecological value, or age, rarity, and size).	Subsection 4.1.2; Figure 4.1-1; Appendix 4.1-A, Subsection 4.0, pp. 30-33.	Yes	
Appendix B (g) (6) (A) (i) c.	A man-made feature or object that embodies elements of architecture or engineering design, detail, materials or craftsmanship that represent a significant innovation or is unique, such as the California State Capitol, Golden Gate Bridge, or Hollywood Sign.	Subsection 4.1.2; Figure 4.1-1; Appendix 4.1-A, Subsection 4.0, pp. 30-33.	Yes	
Appendix B (g) (6) (A) (i) d.	Explain does the project eliminate or obstruct the public view (the visible area from a location where the public has a legal and physical right of access to real property) of a scenic vista and scenic resource? Is the project situated	Subsection 4.1.3.4, pp. 4.1-12 to 4.1-18; Appendix 4.1-A, Subsection 6.0, pp. 36-44.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	so that it changes the visual aspect of a scenic resource by being different or in sharp contrast?			
Appendix B (g) (6) (A) (ii)	Describe the existing nighttime lighting on the project site and in the vicinity.	Subsection 4.1.2, p. 4.1-6.	Yes	
Appendix B (g) (6) (B)	In accordance with CEQA Guidelines as found in 14 CCR Division 6, Chapter 3, Appendix G Environmental Checklist Form, I. Aesthetics c, if the project is to be constructed within an "urbanized area" as defined in Public Resources Code section 21071, explain the project's conformance with the city/county General Plan, and city municipal code or county government code (e.g., zoning) governing scenic quality.	N/A	N/A	
Appendix B (g) (6) (C)	In accordance with CEQA Guidelines as found in 14 CCR Division 6, Chapter 3, Appendix G Environmental Checklist Form, I. Aesthetics c, if the project is to be constructed within a non-urbanized area provide the following:	--	--	
Appendix B (g) (6) (C) (i)	Show on a map the pinpoint location of the key observation point(s) (KOP) for the project. A	Subsection 4.1.2.1, Figure 4.1-2.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	KOP is a fixed position in a publicly accessible location where a public view of the project is analyzed and/or evaluated in the landscape. Objects of aesthetic significance are the primary focus in the KOP selection.			
Appendix B (g) (6) (C) (ii)	If an object of aesthetic significance is not in the vicinity of the project, a KOP is to be selected based on importance to stakeholders, visibility, direct public selection, worst-case scenario, or other reason. Explain the reason the KOP was chosen. At a minimum two KOPs are to be selected.	Subsection 4.1.2.1, pp. 4.1-2 to 4.1-6; Appendix 4.1-A, Subsection 3.4.4, p. 17.	Yes	
Appendix B (g) (6) (C) (iii)	Provide a color photograph(s) showing an actual line of sight at eye level during daytime and clear weather from the KOP to the project site prior to any alteration (existing condition). The photographer at the KOP is to use a standard lens. For each photograph provide the following information: camera type, lens focal length, viewing angle; date and time the photograph was taken, and the distance to the project site.	Subsection 4.1.2.1, pp. 4.1-2 to 4.1-5; Subsection 4.1.3.2, p. 4.1-8; Figures 4.1-3 through 4.1-6.	No	See DR VIS-2

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (6) (C) (iv)	Using the photograph from the KOP provide a spatially accurate and realistically photo manipulated computer simulated image of the project (photo-realistic simulation) one-year after completion of construction (existing condition plus proposed project).	Subsection 4.1.3.2, pp. 4.1-9; Figures 4.1-7 through 4.1-13.	No	See DR VIS-2
Appendix B (g) (6) (C) (v)	The KOP photograph and the photo-realistic simulation are to be capable of 11" x 17" color print by a printer capable at a minimum 600 dots per inch output resolution.	Figures 4.1-3 through 4.1-6; Figures 4.1-7 through 4.1-13.	No	See DR VIS-4
Appendix B (g) (6) (C) (vi)	Provide a copy of the KOP photograph(s) and photo-realistic simulation(s) in an electronic file.	Figures 4.1-3 through 4.1-6; Figures 4.1-7 through 4.1-13.	No	See DR VIS-2 and DR VIS-4
Appendix B (g) (6) (D)	Show and describe the project in the landscape.	Subsection 4.1.3.2, pp. 4.1-9; Figures 4.1-7 through 4.1-13.	No	See DR VIS-2
Appendix B (g) (6) (D) (i)	Provide an 8.5" x 11" sized scaled elevation(s) of project buildings, structures, and major equipment; a table listing their dimensions (height, length, width, diameter).	Subsection 2.3.2, Figures 2-2a and 2-2b, pp. 2-6 and 2-7; Subsection 3.2.1, Figure 3-3, p. 3-6; Subsection 3.2.3, Figures 3-5a through 3-5c, pp. 3-9 through 3-11; Subsection 4.1.3.3, Table 4.1-2, pp. 4.1-10 to 4.1-11; Appendix 4.1-A, Subsections 3.1 and 3.2, Figures 3-1 to 3-3c, pp. 4 to 11; Appendix	No	See DR VIS-5

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
		4.1-A, Subsection 3.3.1.6, Table 3-1, p. 14.		
Appendix B (g) (6) (D) (ii)	Provide a table and description of the exterior surface treatments and finishes for the buildings, structures, major equipment (e.g., colors, flat and/or textured finishes), and structural materials.	Subsection 4.1.3.3, Table 4.1-2, pp. 4.1-10 to 4.1-11; Appendix 4.1-A, Subsections 3.1 and 3.2, Figures 3-1 to 3-3c, pp. 4 to 11; Appendix 4.1-A, Subsection 3.3.1.6, Table 3-1, p. 14.	No	See DR VIS-5
Appendix B (g) (6) (D) (iii)	Describe project specific architectural treatment or design technique mitigation unique to the project's siting at the location (e.g., camouflage, disguise, screen), if any.	Subsection 4.1.3.3, p. 4.1-11 to 4.1-12; Subsection 4.1.3.4, p. 4.1-15 and 4.1-16; Subsection 4.1.5, p. 4.1-20.	Yes	
Appendix B (g) (6) (D) (iv)	Provide a project specific conceptual landscape design plan that conforms with the city municipal code or county government code. Include:	Subsection 4.1.3.3, p. 4.1-12; Appendix 4.1-B.	No	See DR VIS-6
Appendix B (g) (6) (D) (iv) a.	the type of plant and/or tree species, location, quantity, size, spacing at installation/planting, expected growth rates, and expected heights at one-year, five years, and maturity. Specify irrigation system components and show their locations.	Subsection 4.1.3.3, p. 4.1-12; Appendix 4.1-B.	Yes	
Appendix B (g) (6) (D) (iv) b.	the calculated total pervious surface amount for the project site; include the surface to be	Subsection 4.10.3.2, p. 4.10-15.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024
Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	replaced, the new surface, and the total area to be landscaped.			
Appendix B (g) (6) (D) (v)	Provide a project specific conceptual outdoor lighting control and management plan (lighting plan) and explain the control of reflectance from exterior surfaces offsite that conform with the city municipal code or county government code.	Subsection 4.1.3.3, p. 4.1-11.	No	See DR VIS-7
Appendix B (g) (6) (D) (v) a.	Provide a list of the project-specific luminaires, identify the design (e.g., full cutoff, semi cutoff, non cutoff) and indicate if the luminaires have the International Dark-Sky Association Fixture Seal of Approval to the extent feasible consistent with safety and security considerations. Show the project-specific luminaires locations on a diagram or elevation.	Subsection 4.1.3.3, p. 4.1-11.	No	See DR VIS-7
Appendix B (g) (6) (D) (v) b.	Describe reflectance, the intensity of the specular reflectance from the exterior surface of the project's large buildings, structures, and major equipment offsite to the surrounding area (e.g., the light reflected from the shiny surface). The reflectance of the object–how bright it shines–	Subsection 4.1.3.3, p. 4.1-11.	No	See DR VIS-7

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024
Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton
Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	depends on the intensity of the light striking it and the materials from which it is made (e.g., glass, reinforced concrete, structural steel).			
Appendix B (g) (6) (E)	If the project is to use a cooling tower emitting a publicly visible water vapor plume (visible plume) in the atmosphere provide the following information:	N/A	N/A	
Appendix B (g) (6) (E) (i)	Provide the cooling tower's number of fan cells, the fan cell stack height and diameter, the exhaust mass flow rate, heat rejection rate, and exhaust temperature.	N/A	N/A	
Appendix B (g) (6) (E) (ii)	Provide fogging curves specific to the cooling tower's exhaust discharge for at least three ambient air temperature conditions (a low, average, and high temperature condition).	N/A	N/A	
Appendix B (g) (6) (E) (iii)	Explain if the project's forecasted visible plume emitted in the atmosphere by the cooling tower would eliminate or obstruct an existing public view of a designated or recognized scenic vista, scenic resource, and the existing visual character or quality of	N/A	N/A	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	public views of the site and its surroundings.			
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	Subsection 4.1.3.4, Table 4.1-3, p. 4.1-14; Subsection 4.1.6.3, p. 4.1-21.	No	See DR VIS-8
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.	Subsection 4.1.8, p. 4.1-21.	No	See DR VIS-9
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official	Subsection 4.1.7, p. 4.1-21.	No	See DR VIS-10

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Visual Resources** Project: Corby Battery Energy Storage System Technical Staff: Michael Clayton

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Steve Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	who was contacted within each agency, and also provide the name of the official who will serve as a contact person for Commission staff.			
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.	Subsection 4.1.8, p. 4.1-21	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Waste Management** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban, Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Section 4.19, p. 4.19-1; Subsection 4.19.1, p. 4.19-1; Subsection 4.19-2, pp. 4.19-1 to 4.19-2; Subsection 4.19.2.1, pp. 4.19-2 to 4.19-7; Subsection 4.19.3.1, pp. 4.19-7 to 4.19-10; Subsection 4.19.3.2, Impact 4.19-4, p. 4.19-14; Subsection 4.19.3.2, Impact 4.19-5, pp. 4.19-15 to 4.19-16; Subsection 4.19.4, pp. 4.19-16 to 4.19-17; Subsection 4.19.5, p. 4.19-17.	Yes	
Cal. Code Regs., tit. 20, § 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	Section 4.19, p. 4.19-1; Subsection 4.19.1, p. 4.19-1; 4.19-2, pp. 4.19-1 to 4.19-2; Section 4.19.2.1, pp. 4.19-2 to 4.19-7; Section 4.19.3.1, pp. 4.19-7 to 4.19-10; Section 4.19.3.2, Impact 4.19-4, p. 4.19-14; Section 4.19.3.2, Impact 4.19-5, pp. 4.19-15 to 4.19-16; Section 4.19.4, pp. 4.19-16 to 4.19-17; Section 4.19.5, p. 4.19-17.	Yes	
Cal. Code Regs., tit. 20, §	A list of all literature relied upon or referenced in the documents, along	Subsection 4.19.9, pp. 4.19-20 to 4.20-21.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Waste Management** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban, Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
1704, (a) (3) (C)	with brief discussions of the relevance of each such reference;			
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. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.	Section 4.19, p. 4.19-1; Subsection 4.19.1, p. 4.19-1; Subsection 4.19-2.1, pp. 4.19-2 to 4.19-7; Section 4.19.3.1, pp. 4.19-7 to 4.19-10; Section 4.19.3.2, Impact 4.19-4, p. 4.19-14; Section 4.19.3.2, Impact 4.19-5, pp. 4.19-15 to 4.19-16; Section 4.19.4, pp. 4.19-16 to 4.19-17; Section 4.19.5, p. 4.19-17.	Yes	
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	Appendix 4.9-A.	No	See DR HAZ-1

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Waste Management** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban, Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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 the CEC 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 application.			
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.	Section 4.19.2.1, pp. 4.19-2 to 4.19-5; Section 4.19.3.1, pp. 4.19-7 to 4.19-10.	No	See DR WASTE-1
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	Section 4.19.3.1, pp. 4.19-7 – 4.19-10.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Waste Management** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban, Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
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.	Section 4.19.2.1, pp. 4.19-2 – 4.19-5.	No	See DR WASTE-1
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 4.19-1, pp. 4.19-17 – 4.19-18.	Yes	
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,	Table 4.19-1, p.p. 4.19-17 – 4.19-18.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Waste Management** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban, Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH 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.			
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.	Section 4.19.7, p. 4.19-19; Table 4.19-2, p. 4.19-19.	Yes	
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.	Section 4.19.8, p. 4.19-19; Table 4.19-3, p. 4.19-19.	Yes	

Completeness: Complete ___ Incomplete **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date: December 2024

Technical Area: **Water Resources** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Section 1.5.4, p. 1-17; Section 4.10, p. 4.10-1; Section 4.10.1, p. 4.10-1; Section 4.10.2, p.p. 4.10-1 – 4.10-9; Section 4.10.3, p.p. 4.10-9 – 4.10-20; Section 4.10.4, p.p. 4.10-20 – 4.10-21; Section 4.10.5, p.p. 4.10-21 – 4.10-22.	Yes	
Cal. Code Regs. Tit. 20 § 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	Section 1.5.4, p. 1-17; Section 4.10, p. 4.10-1; Section 4.10.1, p. 4.10-1; Section 4.10.2, p.p. 4.10-1 – 4.10-9; Section 4.10.3, p.p. 4.10-9 – 4.10-20; Section 4.10.4, p.p. 4.10-20 – 4.10-21; Section 4.10.5, p.p. 4.10-21 – 4.10-22.	Yes	
Cal. Code Regs. Tit. 20 § 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;	Section 4.10.9, p.p. 4-10-30 - 4-10-31.	Yes	
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. Describe the approach, list or projection or a combination, used to	Section 1.5.4, p. 1-17; Section 4.10.2, p.p. 4.10-1 – 4.10-9; Section 4.10.3, p.p. 4.10-9 – 4.10-20; Section 4.10.4, p.p. 4.10-20 – 4.10-21; Section 4.10.5, p.p. 4.10-21 – 4.10-22.	Yes	

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
Appendix B (g) (14) (A)	All the information required to apply for the following permits, if applicable, including:	--	--	--
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);	N/A	N/A	
Appendix B (g) (14) (A) (ii)	Construction and Industrial Waste Discharge or Industrial Pretreatment permits from wastewater treatment agencies;	N/A	N/A	
Appendix B (g) (14) (A) (iii)	Nationwide Permits and/or Section 404 Permits from the U.S. Army Corps of Engineers; and	Section 4.4.3.8, p. 4.4-37; Section 4.4.6.1, p.p. 4.4-47 – 4.4-48.	Yes	
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	
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	Section 4.10.2, p.p. 4.10-1 – 4.10-2; Section 4.10.2.2, p.p. 4.10-2 – 4.10-5; Figure 4.10-1 p. 4.10-3; Figure 4.10-2 p. 4.10-4;	No	See DR-WATER-6 Figure 4.10-1 is 1:250,000 scale, Figure 4.10-2 is 1:100,000 scale.

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	chemical and physical characteristics of the following nearby water bodies that may be affected by the proposed project:			
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Section 4.10.2.3, p.p. 4.10-5 – 4.10-6; Section 4.10.3.1, Deplete Groundwater, p.p. 4.10-10 – 4.10-11; Section 4.10.3.2, Deplete Groundwater, p. 4.10-15; Appendix 4.10-B, Groundwater Supply Feasibility Study, Section 2.1, p. 3-4.	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies;	Section 4.10.2.2, p.p. 4.10-2 – 4.10-5; Figure 4.10-1, p. 4.10-3; Figure 4.10-2, p. 4.10-4; Section 4.10.3.1, Degrade Water Quality, p.p. 4.10-9 – 4.10-10; Section 4.10.3.2, Degrade Water Quality, p.p. 4.10-14 – 4.10-15;	No	See DR WATER-6
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones;	Section 4.10.2.4, p. 4.10-8; Section 4.10.2.5, p. 4.10-8; Section 4.10.3.1, Flooding, p.p. 4.10-13 – 4.10-14; Section 4.10.3.2, Flooding, p. 4.10-16;	Yes	
Appendix B (g) (14) (B) (iv)	Flood control facilities (existing and proposed); and	Section 4.10.2.4, p. 4.10-8; Section 4.10.3.1, Alter Runoff/Drainage, p.p. 4.10-13 – 4.10-14; Section 4.10.3.2, Alter Runoff/Drainage, p. 4.10-16; Appendix 2-B; Appendix 4.10-A,	Yes	

Completeness: Complete ___ Incomplete **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date: December 2024

Technical Area: **Water Resources** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
		Section 2.5, p.p. 2-2 – 2-3, Appendix B.		
Appendix B (g) (14) (B) (v)	Groundwater wells within ½ mile if the project will include pumping.	Appendix 4.10-B, Section 2.3, p. 5, Table 1, p. 6; Section 2.4, p.p. 6-8, Table 2, p.p. 6-7; Section 2.5, p.p. 8-9, Table 3, p. 8, Table 4, p. 9; Section 2.6.1, p.p. 9-10, Table 5, p. 10; Figure 2; Figure 3.	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	--	--	--
Appendix B (g) (14) (C) (i)	Source(s) of the primary and back-up water supplies and the rationale for their selection;	Section 1.5.4, p. 1-17; Section 2.3.3, p.p. 2-10 – 2.11; Section 4.10.2.6, p.p. 4.10-8 – 4.10-9.	No	Clarification of drought-torrent plant irrigation as operational water use (See DR-WATER-1 thru DR-WATER-3)
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);	NA	NA	
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 1.5.4, p. 1-17; Section 2.3.3, p.p. 2-10 – 2.11; Section 4.10.2.6, p.p. 4.10-8 – 4.10-9; Section 4.10.3.1, Deplete	Yes	

Completeness: Complete ___ Incomplete **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date: December 2024

Technical Area: **Water Resources** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
		Groundwater, p.p. 4.10-10 – 4.10-11; Section 4.10.3.2, Deplete Groundwater, p. 4.10-15; Appendix 4.10-B, Section 2.3, p.p. 6-8.		
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 1.5.4, p. 1-17; Section 2.3.3, p.p. 2-10 – 2.11; Section 4.10.2.6, p.p. 4.10-8 – 4.10-9.	No	No access point to SID water service shown (See DR-WATER-4).
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;	Appendix 2-C, p.p. 1-3,	Yes	
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	Appendix 2-C, p.p. 1-3,	Yes	

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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);			
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	N/A	
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.	N/A	N/A	

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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.			
Appendix B (g) (14) (D)	Identify all project elements associated with stormwater drainage, including a description of the following:	--	--	--
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 4.10.2.1, p. 4.10-2; Section 4.10.3.1, Alter Runoff/Drainage, p.p. 4.10-15 – 4.10-16; Appendix 4.10-A, Section 2.0, p.p. 2-1 – 2-4; Section 3.0, p. 3-1; Section 4.0, p. 4-1.	Yes	

Completeness: Complete ___ Incomplete **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date: December 2024

Technical Area: **Water Resources** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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;	Section 4.10.3.1, Runoff/Drainage, p.p. 4.10-13 – 4.10-14; Section 4.10.3.2, Alter Runoff/Drainage, p. 4.10-16; Appendix 2-B; Appendix 4.10-A, Section 2.0, p.p. 2-1 – 2-4; Appendix B	No	Unanswered questions concerning stormwater detention basins and outflow (See DR-WATER-5)
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	Appendix 4.10-A, Section 2.0, p.p. 2-1 – 2-4; Appendices C – H.	Yes	
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 4.10.3.1, Runoff/Drainage, p.p. 4.10-13 – 4.10-14; Section 4.10.3.2, Alter Runoff/Drainage, p. 4.10-16; Section 4.10-6, p.p. 4.10-22 – 4.10-29; Appendix 4.10-A, Section 4.0, p. 4-1.	Yes	
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:	--	--	--
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	Section 4.10.3.1, Water Plan Conflict, p. 4.10-14; Section 4.10.3.2, Water Plan Conflict, p.p. 4.10-15 – 4.10-16;	Yes	

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	in the physical or chemical conditions of existing water supplies as a result of water use by the power plant;			
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;	Appendix 4.10-B, Section 2.2 p.p. 4-5; Section 2.4 p.p. 6-8; Table 3, p. 8; Figure 3; Figure 4; Attachment B.	Yes	
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 4.10.3.1, Degrade Water Quality, p.p. 4.10-9 – 4.10-10; Section 4.10.3.1, Alter Runoff/Drainage, p. 4.10-11; Section 4.10.3.2, Degrade Water Quality, p.p. 4.10-14 – 4.10-15; Section 4.10.3.2, Alter Runoff/Drainage, p.p. 4.10-15 – 4.10-16; Section 4.10.3.3, Impact 4.10-1, p. 4.10-17; Section 4.10-19, Impact 4.10-5, p. 4.10-19; Section 4.10.3.1, Degrade Water Quality, p. 4.10-20; Section 4.10.5, p.p. 4.10-21 – 4.10-22.	Yes	

Completeness: Complete ___ Incomplete **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date: December 2024

Technical Area: **Water Resources** Project: Corby Battery Energy Storage System Technical Staff: James Ackerman

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Abdel-Karim Abulaban

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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;"	N/A	N/A	
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;"	N/A	N/A	
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 4.10.2.4, p. 4.10-8; Section 4.10.3.1, Flooding, p.p. 4.10-13 -4.10-14; 4.10-13. Figure 4.10-4, p. 4.10-12; Section 4.10.3.2, Flooding, p. 4.10-16; Section 4.10.3.3, Impact 4.10-3, p. 4.10-18; Section 4.10.3.3, Impact 4.10-4, p.p. 4.10-18 – 4.10-19; Section 4.10.4.4 p. 4.10-21; Appendix 4.10-A (Hydrology &	Yes	

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
		Hydraulics Analysis), Section 2.0, p.p. 2-1 – 2-5.		
Appendix B (g) (14) (vii)	All assumptions, evidence, references, and calculations used in the analysis to assess these effects.	Appendix 4.10-A (Hydrology & Hydraulics Analysis), Section 2.0, p.p. 2-1 – 2-5.	Yes	
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 4.10.6, p.p. 4.10-22 – 4.10-29.	Yes	
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.	Section 4.10.6, p.p. 4.10-22 – 4.10-29; Table 4.10-1 p. 4.10-29.	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who	Section 4.10.7, p. 4.10-29; Table 4.10-1 p. 4.10-29.	Yes	

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.			
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.	Section 4.10.8, p. 4.10-30; Table 4.10-2 p. 4.10-30.	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Wildfire** Project: Corby Battery Energy Storage System Technical Staff: Aurie Patterson

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 1.5.7, p. 1-20; Subsection 4.20.2; pp. 4.20-1 to 4.20-6; Subsection 4.20.3, pp. 4.20-6 to 4.20-14; Subsection 4.20.4, p. 4.20-14	Yes	
Cal. Code Regs. Tit. 20 § 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	NA	NA	NA
Cal. Code Regs. Tit. 20 § 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;	Subsection 4.20.9, pp. 4.20-24 to 4.20-25	Yes	
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	Subsection 4.20.2, pp. 4.20-1 to 4.20-6; Subsection 4.20.3, pp. 4.20-6 to 4.20-14; Subsection 4.20.4, p. 4.20-14; Subsection 4.20.5, p. 4.20-14	No	See DR HAZ-10, DR HAZ-11, DR WILDIFRE-1 through DR WILDFIRE-6

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **x** Revision No. 0 Date: December 2024

Technical Area: **Wildfire** Project: Corby Battery Energy Storage System Technical Staff: Aurie Patterson

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	the effectiveness of the mitigation. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
Appendix B (g) (19) (A)	A map showing State Responsibility Areas (SRA,) as defined in Public Resources Code section 4102, relative to the proposed project.	Figure 4.20-1, p. 4.20-4; Figure 4.20-2, p. 4.20-5	Yes	
Appendix B (g) (19) (B)	A map showing state Fire Hazard Severity Zones, as defined in 14 CCR section 1280.01, relative to the proposed project.	Figure 4.20-1, p. 4.20-4; Figure 4.20-2, p. 4.20-5	Yes	
Appendix B (g) (19) (C)	If the project would be in the vicinity of an SRA or a Very High Fire Hazard Severity Zone, as defined in 14 CCR section 1265.00, provide:	--	--	--
Appendix B (g) (19) (C) (i)	Local emergency response or evacuation plans and a description of how the proposed project could influence their effectiveness.	Subsection 4.9.3.4, p. 4.9-23; Subsection 4.17.3.6, p. 4.17-36; Subsection 4.20.3.1, pp. 4.20-6 to 4.20-8	Yes	
Appendix B (g) (19) (C) (ii)	A discussion of how potential project pollutants could be contained onsite during a wildfire event.	Subsection 4.20.3.1, pp. 4.20-8 to 4.20-10	Yes	

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Technical Area: **Wildfire** Project: Corby Battery Energy Storage System Technical Staff: Aurie Patterson

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (19) (C) (iii)	A description of infrastructure that would be built or maintained (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate the risk of wildfire.	Subsection 2.3.2, pp. 2-3 to 2-10; Subsection 2.3.3, p 2-10; Subsection 2.3.6, pp. 2-11 to 2-12; Subsection 3.2, pp. 3-3 to 3-12; Subsection 3.5.4, p. 3-20; Subsection 4.20.3.1, pp. 4.20-10 to 4.20-12	Yes	
Appendix B (g) (19) (C) (iv)	Describe people or structures downslope or downstream of the proposed project that could be impacted by flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes.	Subsection 4.20.3.1, pp. 4.20-12 to 4.20-13	Yes	

DATA COMPLETENESS WORKSHEET

Completeness: Complete ___ Incomplete **X** Revision No. 0 Date: December 2024

Technical Area: **Worker Safety** Project: Corby Battery Energy Storage System Technical Staff: Dan Dowdy/Alvin Greenberg

Project Manager: Renee Longman Docket: 24-OPT-05 Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 4.9.3.1, p 4.9-9	No	See DR WS-2
Cal. Code Regs. Tit. 20 § 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	Subsection 4.9.3.1, p 4.9-9	No	See DR WS-3
Cal. Code Regs. Tit. 20 § 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.	Subsection 4.9.9, p 4.9-38	Yes	
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. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or	Subsection 2.3.2.1, p 2-5; Subsection 2.8, p 2-29; Subsection 4.9.2.1, p 4.9-4	No	See DR WS-1 and DR WS-17

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SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	other adopted local, regional, or statewide plan.			
Appendix B (g) (11) (A)	A description of the safety training programs that will be required for construction and operation personnel.	Subsection 4.9.3.3, pp. 4.9-16 to 4.9-17, Table 4.9-6	No	See DR WS-5
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Subsection 4.9.2.1, p 4.9-4; Subsection 4.9.3.1, pp. 4.9-12 to 4.9-13; Subsection 4.20.2.6, p 4.20-6	No	See DR WS-4 See DR WS-6 to DR WS-10
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., § 1509);	Subsection 4.9.3.2, p 4.9-14	No	See DR WS-11
	• Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);	Subsection 4.9.3.2, p 4.9-15	No	See DR WS-12
	• Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)	Subsection 4.9.3.2, p 4.9-15	No	See DR WS-11
	Operation Health and Safety Program: • Injury and Illness Prevention Program (8 Cal. Code Regs., §3203);	Subsection 4.9.3.2, p 4.9-14	No	See DR WS-11
	• Fire Prevention Plan (8 Cal. Code Regs., § 3221);	Subsection 4.9.3.2, p 4.9-15	No	See DR WS-12
	• Emergency Action Plan (8 Cal. Code Regs., § 3220);	Subsection 4.9.3.2, p 4.9-16	No	See DR WS-13

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SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	• Personal Protective Equipment Program (8 Cal. Code Regs., §§3401-3411).	Subsection 4.9.3.2, p 4.9-15	No	See DR WS-11
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 4.9-5, p. 4.9-12; Table 4.9-8, pp. 4.9-32 to 4.9-35	No	See DR WS-15 and DR WS-16
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.	Table 4.9-12, p. 4.9-37	Yes	
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.	Table 4.9-10, p. 4.9-36	Yes	

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SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
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 4.9-12, p. 4.9-37	Yes	

Attachment B

Data Requests

ATTACHMENT B

Data Requests

MANDATORY OPT-IN REQUIREMENTS

California Code of Regulations title 20, section 1877(f) requires Opt-In Applications to 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. California Code of Regulations title 20, section 1879(a)(7) further states that the net positive benefits identified in an Opt-In Application 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, and (f) property taxes and sales and use tax revenues.

The applicant's Opt-In Application includes a discussion of net economic benefits to Solano County in Section 4.14.3.3. The application discussed quantitative benefits such as employment growth, and property taxes and sales and use tax revenues, in addition to qualitative discussion of infrastructure and environmental improvements, and assistance to public schools and education. In Table 4.14-15, the applicant footnotes *"Additional information to be provided following clarification from CEC Staff"* on industry sector entries for *"Plant Earnings, Year 1,"* and *"Government Revenue, Year 1."* The applicant cites the time of day that the BESS will be charged and likely utilized on page 1-9 in Section 1.1.4. The applicant states that *"…the Project will store energy when supply for electricity is high (e.g. during the middle of the day) and return energy to the grid when demand for electricity is high (typically between 4 PM and 8 PM."* Based on the time-of-day and usage anticipated, and local utility rates, more information is needed from the applicant on the estimate of annual facility revenue, and if any of that revenue would accrue to the local government (i.e., Solano County). This would be the local *"Government Revenue"* data input. For year 1, this is based on the round-trip efficiency of the system. In subsequent years, this is based on the degradation factor of the system.

DR MAND-1. Per California Code of Regulations title 20, section 1877(f) requirement, please provide:

a. What is the expected annual operating revenue of the facility? What share of that benefit is estimated to be allocated locally to Solano County?

b. What is the annual income tax for this facility? What allocation has been made for the local share of taxes to Solano County?

Public Resources Code section 21183(e) requires that the applicant enter 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 must agree, that those measures will be monitored and enforced by the lead agency for the life of the obligation.

DR MAND-2. Submit a signed and enforceable agreement that complies with Public Resources Code section 21183(e).

ALTERNATIVES

Per California Code of Regulations, title 20, Appendix B (f) (1) and (f) (2), an application must include a discussion of a reasonable range of alternatives to the project, and a comparative evaluation of the engineering, economic, and environmental merits of the alternatives. The Corby BESS Project application includes an alternatives analysis in Section 5.0 (TN 259874) that describes site alternatives, gen-tie route alternatives, and technology alternatives. While Section 5.0 provides some information of the engineering, economic, and environmental merits of the alternatives, it does not provide this information consistently across all feasible alternatives. Without a consistent set of metrics, staff is unable to conduct a comparative evaluation of alternatives as required by Appendix B (f) (2). Additional information is required by staff to evaluate the relative merits of each alternative.

DR ALT-1. Please supplement the alternatives analysis in Section 5.0 with the following information:

a. Site Alternatives

- Provide estimated lengths of gen-tie routes required to connect to each alternative site (i.e., Site 1 and Site 2).
- Illustrate locations of gen-tie routes for each alternative site (i.e., Site 1 and Site 2) in Figure 5-1.

b. Technology Alternatives. Section 5.5 does not provide the assumptions used to prepare the Technology Alternative Comparison in Table 5-4. While this table indicates if a technology presents an advantage or disadvantage over the proposed project, there are no data or assumptions provided in Section 5.5 to support the comparison in Table 5-4 or to support the Preferred Technology Alternative conclusions presented in Section 5.5.5. Staff requires the following data to prepare an evaluation of the comparative engineering, economic, and environmental merits of the alternatives per Appendix B (f) (2):

- For each alternative technology, provide assumptions for the facility reliability and round-trip efficiency to allow staff to compare these assumptions with the project description information provided in Section 2.5.2 (Facility Reliability) and Section 2.5.3 (Efficiency).
- For each alternative technology, provide assumptions for the cost criterion

used in Table 5-4 to allow staff to compare these assumptions with the projected cost of the proposed project.

- For each alternative technology, provide assumptions for the environmental impact criterion used in Table 5-4 to allow staff to compare these assumptions with the environmental impacts of the proposed project.

AIR QUALITY

In Appendix 4.3-A (TN 259885), Table 11 lists results from the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) for carbon monoxide (CO) impacts during construction and operation phases. However, staff requires a dispersion modeling or a screening analysis for all criteria pollutants including nitrogen dioxide (NO_2), sulfur dioxide (SO_2), CO, particulate matter of 10 micrometers or less in diameter (PM10), and particulate matter of 2.5 micrometers and smaller in diameter (PM2.5). This analysis is essential to determine whether the criteria air pollutant concentrations comply with state and federal Ambient Air Quality Standards (AAQS).

DR AQ-1. Please provide an ambient air quality impacts analysis of all criteria pollutants including NO_2, SO_2, CO, PM10, and PM2.5 using AERMOD or AERSCREEN (the screening version of AERMOD) during construction and operation and demonstrate whether the project impacts would comply with all state and federal AAQS.

DR AQ-2. Please provide explanation regarding whether a cumulative air quality impacts modeling analysis is needed based on the updated air quality modeling results. If cumulative air quality impacts modeling is needed, please submit a modeling analysis for assessing the cumulative air quality impacts of the project during its standard operational phase.

BIOLOGICAL RESOURCES

The *Staff Report on Burrowing Owl Mitigation* (CDFG 2012) recommends that breeding surveys be conducted at least once between February 15 and April 15. Per Section 2.3.3 of the Biological Resources Report (TN 259894) prepared for the Corby BESS project, Survey 1 was conducted from May 23 to 24, 2024, Survey 2 was conducted on June 17, 2024, and Survey 3 was conducted on July 10, 2024. Therefore, adequate breeding surveys were not conducted.

DR BIO-1. Please provide the following information for the western burrowing owl (*Athene cunicularia hypugaea)* in consideration of the current listing status as a candidate species under the California Endangered Species Act (CESA).

a. The Staff Report on Burrowing Owl Mitigation (CDFG 2012) recommends that breeding surveys be conducted at least once between February 15 and April 15. Per Section 2.3.3 of the Biological Resources Report, Survey 1 was conducted

May 23-24, 2024, Survey 2 was conducted on June 17 and Survey 3 was conducted on July 10. Please provide a habitat assessment, survey field notes, and over-wintering survey results per the Staff Report on Burrowing Owl Mitigation guidance. Please provide a schedule for conducting any additional surveys to meet the California Department of Fish and Wildlife (CDFW) guidance and the results of those surveys once completed. Please identify how the transect surveys met the survey recommendations in the guidance.

b. Please provide a figure showing the location(s) where burrowing owls were observed in 2023 during the Swainson's hawk protocol surveys. In addition, please delineate the buffer surveyed on the figure and identify which parcels were inaccessible during the 2024 focused surveys.

c. Please include a list of proposed avoidance and minimization measures for western burrowing owl.

d. Please provide the resumes for staff conducting the protocol level surveys. Also see **DR BIO-5**.

e. If the project area and surrounding lands support suitable nesting or overwintering habitat and burrowing owls are detected within the project area or within 500 feet during protocol level surveys, CEC staff in coordination with CDFW recommend requesting take authorization. If requesting take authorization for western burrowing owl, and pursuant to California Code of Regulations, title 20, section 1877, Contents of an Opt-in Application, please submit an Incidental Take Permit (ITP) application and provide the items required in California Code of Regulations, Title 14, section 783.2(a)(1)-(a)(10). They are the 13 listed items on the CDFW website at: https://wildlife.ca.gov/Conservation/CESA/Permitting/Incidental-Take-Permits. Please submit in one ITP application package identifying these items specific to western burrowing owl.

DR BIO-2. The Aquatic Resources Delineation Report, included as Appendix 4.4-D in Volume 2 App 4-4 of the opt-in application (TN 259894) describes the study area as encompassing approximately 175.053 acres; however, Figure 1-1 in Appendix 4.4-D and the Aquatic Resources Delineation Map, included as Appendix A of Appendix 4.4-D, both identify a study area of 286.636 acres. Please clarify the size of the study area (in acres) and provide updated figures and maps, as appropriate.

DR BIO-3. Section 3.1.2 of the Aquatic Resources Delineation Report, included as Appendix 4.4-D in Volume 2 App 4-4 of opt-in application (TN 259894) identified 13 mapped ditches; however, the Aquatic Resources Delineation Maps, included as Appendix A of Appendix 4.4-D identified 16 ditches (mapped as DR-1 to DR-16) and noted 2.394 acres of ditches whereas the text only identified 1.932 acres of ditches. Please clarify the number of ditches and the total acres of ditches.

DR BIO-4. The Biological Resources Report (TN 259894) did not include a table, as required by California Code of Regulation, title 20, section 1877(d), Appendix B (i) (1) (A), that identifies the applicable laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits to the proposed project. In addition, a discussion of the applicability of, and conformance with each should be included. The table or matrix should reference pages in the application where conformance, with each applicable law, regulation, ordinance, standard, or adopted local, regional, state, and federal land use plans, leases, and permits during both construction and operation of the facility is discussed.

DR BIO-5. Please provide resumes for all staff who conducted biological resources surveys in support of the opt-in application, including all habitat assessments, species surveys, and aquatic delineations. Please provide sufficient detail to verify the qualifications of the biologists to perform specific surveys. The biologists' resumes should indicate the amount of time spent performing specific surveys/monitoring (e.g., hours/days) or the time period served on each project.

California Code of Regulation, title 20, section 1877(d), Appendix B (g) (13) (B) (ii) requires nitrogen deposition modeling to determine deposition rates and location.

DR BIO-6. Please provide a statement in response to Appendix B (g) (13) (B) (ii) and Appendix B (g) (13) (C) (iii) regarding whether or not the project would require the use of fossil fuel generators. If the project would require the use of fossil fuel generators during the operations phase, please provide the following to determine deposition rates and location:

a. Aerial map of the isopleth graphic depicting modeled nitrogen deposition rates per Appendix B (g) (13) (B) (ii). The geographical extent of the nitrogen deposition map(s) should include the entire plume from the source and a radius of 6 miles from the project site, specifically identifying acres of sensitive habitat(s) within each isopleth. Please provide modeling parameters and files. Please provide the GIS shapefiles.
b. Perform nitrogen deposition modeling including the complete citations for references used in determining deposition rates and locations, per Appendix B (g) (13) (C) (ii).
c. Amount of total annual nitrogen deposition in kilograms of nitrogen per hectare per year (kg N/ha/yr) in special status species habitats and vegetation types for wet and dry deposition.
d. Description of habitat and species potentially affected.
e. Provide an impact discussion, specifically addressing impacts to sensitive species habitat, per Appendix B (g) (13) (E).

Section 4.4.3.8 of the opt-in application (TN 259872) states no jurisdictional area would be impacted during project construction or operation although project figures, including Figure 1-3 in Section 1 (TN 259872) and Aquatic Resources Delineation Maps, included as Appendix A of Appendix 4.4-D (TN 259894) show that the overhead gen-tie and gen-tie corridor (Option 1) would cross the intermittent riverine feature.

DR BIO-7. Please provide the following information regarding the intermittent riverine feature and potential impacts from the project:

a. Please provide clarification about whether project construction or operation would include any activities subject to notification under California Fish and Game Code, section 1602. Please clarify if there would be any permanent and/or temporary impacts to jurisdictional waters or wetlands. Include a description of any project activities that would occur near the intermittent riverine feature.

b. If construction activities may substantially alter the bed, bank or channel of the feature, divert or obstruct its natural flow, or deposit material into the feature (e.g., via a frac-out scenario if using horizontal directional drilling or via dropped construction materials if constructing overhead structures) then a Lake or Streambed Alteration Agreement (LSAA) notification should be submitted to the CEC that includes all the information required in California Fish and Game Code section 1602(a)(1)(A)-(F).

DR BIO-8. Section 4.4, Biological Resources, (TN 259874) of the opt-in application, did not include measures to control the spread of invasive species during construction and operation activities. Please submit appropriate measures to control the spread of invasive species during construction, operation, and decommissioning activities.

Section 2.3 of Appendix 4.4-A included in Volume 2 Appendix 4-4 of the opt-in application (TN 259894) notes that inaccessible portions of the survey area were surveyed with binoculars and/or spotting scope. Staff needs additional information regarding the field studies used to provide biological baseline information about the project site and associated facilities.

DR BIO-9. Please provide a map of all areas that were not surveyed for biological resources, due to being inaccessible or other reasons, and provide the reasoning for not conducting surveys of these areas (e.g., lack of landowner permission, safety concerns, etc.).

The scale of the confidential appendices was reduced by the applicant to the scale as a standard USGS quadrant (1:24,000) rather than 1:6,000 to decrease the size of the map book. However, California Code of Regulation, title 20, section 1877(d), Appendix B (a) (13) (A) requires a map at a scale of 1:6,000 (under confidential cover).

DR BIO-10. Please include Figures 4.4-1 and 4.4-2 CNDDB plants and wildlife maps at a scale of 1:6,000 under confidential cover.

Table 4 in Appendix 4.4-A included in Volume 2 Appendix 4-4 of the opt-in application (TN 259894) states there is no suitable habitat present for tricolored blackbird (*Agelaius tricolor*) in the project area and that there are 11 records in the study area, which includes a 10-mile radius around the project area. Tricolored blackbird, which is listed as threatened under the CESA, generally forage within 3.1 miles (sometimes up to 8 miles) away from their nesting colonies. Certain portions of the project area (e.g., fallow fields and grasslands) may present suitable foraging habitat.

DR BIO-11. Please clarify whether potential nesting habitat or records of nesting colonies exist within 3.1 miles of the project area. If suitable nesting habitat does or may exist within this range, please update the likelihood of tricolored blackbird to occur within the project area accordingly. If nesting habitat is present within the project area and the project may result in disturbance of a colony, CEC staff and CDFW recommend that the applicant obtain incidental take authorization for the species. Please include all appropriate avoidance, minimization, and mitigation measures to avoid take of the species, as necessary. If applicant is requesting take coverage for tricolored blackbird, pursuant to California Code of Regulations, title 20, section 1877, Contents of an Opt-in Application, please submit an Incidental Take Permit (ITP) application and provide the items required in California Code of Regulations, Title 14, section 783.2(a)(1)-(a)(10). See **DR BIO-1.**

Table 4 in Appendix 4.4-A included in Volume 2 Appendix 4-4 of the opt-in application (TN 259894) states a there is a low potential for Crotch's bumble bee (*Bombus crotchii*) to be present in the project area and that common foraging plants are absent. The table notes there is one record in the study area nearly 6.3 miles away.

DR BIO-12. Please provide a figure showing where potential habitat was identified in the project area, including potential floral resources and nesting sites. To avoid take of the species, additional avoidance measures should be included. If this additional information for Crotch's bumble bee indicates that the project or activities may cause take of Crotch's bumble bee, CEC staff and CDFW recommend the applicant apply for an incidental take authorization for Crotch's bumble bee. If applicant is requesting take coverage for Crotch's bumble bee, pursuant to California Code of Regulations, title 20, section 1877, Contents of an Opt-in Application, please submit an Incidental Take Permit (ITP) application and provide the items required in California Code of Regulations, Title 14, section 783.2(a)(1)-(a)(10). See **DR BIO-1.** Pre-construction survey methods should be consistent with the CDFW's Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species (CDFW 2023) found at the following site: https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=213150&inline

Section 3.4.2 of the Biological Resources Report (TN 259894) in Appendix 4.4-A of the opt-in application states two pairs of Swainson's hawks (*Buteo swainsoni)* were observed during the survey area with active nests.

> **DR BIO-13.** Please provide a description of what type of construction or operation activities would be planned within a 0.25 mile of the known Swainson's nest near the substation. In addition, please describe the survey area (i.e., portion of the project area and buffer surveyed). Identify activities that could occur outside of the breeding season; otherwise, CEC staff and CDFW recommend the applicant apply for incidental take authorization if impacts to Swainson's hawk cannot be avoided. If applicant is requesting take authorization for Swainson's hawk, pursuant to California Code of Regulations, title 20, section 1877, Contents of an Opt-in Application, please submit an Incidental Take Permit (ITP) application and provide the items required in California Code of Regulations, Title 14, section 783.2(a)(1)-(a)(10). See **DR BIO-1.**

In the event that compensatory mitigation is necessary for unavoidable impacts to Swainson's hawk; please consider the following: Land provided as agricultural mitigation that is intended to also provide foraging habitat for avian species, specifically Swainson's hawk, should be restricted to alfalfa, fallow fields, beet, tomato, and other low-growing row or field crops, dry land and irrigated pasture, and cereal grain crops. The fields should be within 10 miles from the project site. If the mitigation land is to serve the purpose of mitigation for CESA-listed species, then the mitigation land should also be conserved and managed in perpetuity (conservation easement and endowment). CEC staff and CDFW recommend a 3:1 mitigation ratio for permanent impacts and a 1:1 mitigation ratio for temporary impacts (CDFW 2016).

> **DR BIO-14.** Please provide a figure similar to Figure 4.4-3 (TN 259874) that separates out the "other temporary impacts" at the 40.3-acre project site from the temporary impacts near the substation. Please provide a discussion of proposed compensatory mitigation in consideration of the guidance from CEC staff and CDFW based on the Five-Year Status Report – Swainson's Hawk (CDFW 2016).

Section 4.4 of the opt-in application, states the project disturbance area, including the Project site, gen-tie corridor, and gen-tie laydown area would total approximately 65.9 acres. However, temporary and permanent impacts are not clearly depicted throughout the document and the impact acreages need be clarified since they do not add up to 65.9 acres. For example, Volume 1 Part 1, Section 1.5.3 (TN 259872) states, "construction and operation of the Project will result in a total disturbance footprint of approximately 65.9 acres, including the 40.3-acre Project site, gen-tie corridor, and gen-tire laydown area. The Project site will experience 15.9 acres of permanent impacts, and 28.4 acres of temporary impacts. The gen-tie corridor and gen-tie laydown will result in the permanent removal of 21.6 acres of orchards. Following construction, the permanently removed orchards will be available for use by a variety of species,

including Swainson's hawk, burrowing owl, and white-tailed kite, resulting in a net benefit and additional 5.7 acres of habitat that may be used by these species should they occur in the Project vicinity in the future."

DR BIO-15. Please clearly depict temporary and permanent impacts throughout the document and include a description of the specific location(s), habitat types being impacted, and acreage amounts. Please clarify impact acreages to add up to 65.9 acres or to match the total disturbance footprint for construction and operation of the project. Please clarify and provide the clean and redlined versions of an updated Section 4.4 of the application and associated appendices of the opt-in application, as needed.

DR BIO-16. Please submit detailed maps, under confidential cover, at a scale of 1:6,000 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 CNDDB, and the associated areas where biological surveys were conducted. See **DR BIO-10**. Label the biological resources and survey areas as well as the project facilities. Please identify the gen-tie overhead line activities in relation to the intermittent riverine resource, as well.

DR BIO-17. If impacts to Waters of the United States are unavoidable and an U.S. Army Corps of Engineers (ACOE) 404 permit and a Regional Water Quality Control Board (RWQCB) 401 certification is required, please provide the following, per the requirements of Appendix B (g) (13) (D) (ii) and Appendix B (g) (14) (A) (i-iii): ACOE Section 404 and RWQCB 401 Certification and Waste Discharge Requirements (WDR) applications; a completed wetland delineation report verified by the ACOE, if verification is required by the ACOE; 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; and a compensatory mitigation plan for permanent physical loss and permanent ecological degradation of a water of the state.

Section 4.4.3.6, page 4.4-20, of the opt-in application (TN 259874) states restoration of the gen-tie corridor and gen-tie laydown area would convert 21.6 acres of unsuitable orchard habitat to potentially suitable foraging habitat for various species discussed in the section.

DR BIO-18. Please submit a draft revegetation plan that includes a comprehensive list of proposed plant species, including quantities and monitoring plan. The revegetation plan should include flowering plants appropriate for monarch butterfly (*Danaus plexippus*) and Crotch's bumble bee use.

REFERENCES CITED

CDFG 2012 - California Department of Fish and Game (CDFG). "Staff Report on Burrowing Owl Mitigation". Natural Resources Agency. March 7, 2012.

CDFW 2016 - California Department of Fish and Wildlife (CDFW). "Five-Year Status Report – Swainson's Hawk (*Buteo swainsoni*)". Wildlife and Fisheries Division, Nongame Wildlife Program, 1812 Ninth Street, Sacramento, CA, USA.

CDFW 2023 - California Department of Fish and Wildlife (CDFW). "Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species". June 6, 2023.

CULTURAL AND TRIBAL CULTURAL RESOURCES

DR CUL/TRI-1. The ethnographic setting in Confidential Appendix 4.5-A and Section 4.5 does not focus on Patwin ethnography within a 5-mile radius of the project as required by Appendix B (g) (2) (A). For instance, the 1978 work by Johnson, referenced in the discussion of Patwin ethnography, identifies the village of Ululato, shown in Figure 1. This village is located within a 5-mile radius from the project site. At a minimum, please consult Johnson (1978), Kroeber (1932, 1976), and Hoover et al. (2002) to ensure that the Patwin setting focuses near the project vicinity. Please update Confidential Appendix 4.5-A and Section 4.5 to include this discussion, following the requirements in Appendix B (g) (2) (A) and please provide references cited for these citations.

DR CUL/TRI-2. Identify the individuals responsible for the records searches and whether they meet the Secretary of the Interior's (SOI) professional standards for cultural resource professionals or were working under the direction of an SOI-qualified individual. Please provide this information in accordance with Appendix B (g) (2) (B).

DR CUL/TRI-3. The record search results are provided in Subsection 4.5.3.1 of the application and in Confidential Appendix 4.5-A, but copies of the reports and associated site records are not included in a confidential cultural resource filings provided with the application. Please provide copies of all reports and site records, in accordance with Appendix B (g) (2) (B).

DR CUL/TRI-4. Please describe efforts to identify cultural and historic architectural resources listed or recognized by a city, county, or local historical and archaeological societies or museums. Please provide this information in accordance with Appendix B (g) (2) (B). Please list, in a table or text format, the name of each entity contacted, the date of consultation, and the information received.

DR CUL/TRI-5. The following in-text references appear in Confidential Appendix 4.5-A but are missing from the References section (Chapter 9) of Appendix 4.5-A. Please add these references to Chapter 9 of Confidential Appendix 4.5-A:

- Adams 2012
- American Farmland Trust 2024
- BLM 2023
- Howe 2002
- USGS 1917, 1941, and 1943
- Vacaville Heritage Council c. 1878

DR CUL/TRI-6. Please provide a list or table identifying properties less than 45+ years old in the Project Area and/or within the 0.5-mile built environment buffer, in a revised Appendix 4.5-A. The goal being to characterize these properties "whatever their age", as specified in Appendix B (g) (2) (C), within the Project Area and the 0.5-mile built environment study area as appropriate by name, address, and/or parcel. Also, please provide the name of and a statement that a qualified architectural historian (Secretary of the Interior's standards for professional architectural historians), has made the determination that these built environment features less than 45 years in age do not qualify as being of exceptional importance in accordance with National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) guidelines.

DR CUL/TRI-7. Appendix 4.5-A and Section 4.5 of the Application evaluate a number of built environment resources using more or less the same statement, leading to a recommendation of ineligibility. Desktop research conducted by ICF staff indicates that the above statements do not include significant historical data available online (BLM GLO records, ancestry.com, historicnewspapers.com, etc.), regarding significant individuals and/or events in relation to the history and development of Solano County agriculture and/or specific properties in the Project Area and/or within the 0.5-mile built environment buffer. For example, preliminary research conducted by CEC staff indicates that the Queen Anne residence located at 5310 Kilkenny Road was built in 1896 (Realtor websites – Zillow and Trulia) and not in 1937 as recorded by ICF based on Solano County Property Information data. Also, that this residence was built on a property historically owned by Anthony Kilkenny (who is not mentioned in Section 4.5 or Confidential Appendix 4.5-A of the application), subsequently owned by Catherine Kilkenny, who was noted as a pioneer Solano County settler. This data suggests that the historic Kilkenny Ranch Complex located at 5310 Kilkenny Road might have important associations in accordance with NRHP/CRHR Criterion A/1 (early example of Solano County agricultural development beginning in 1870s), or with NRHP/CRHR Criterion B/2 (Kilkenny family), and/or with NRHP/CRHR Criterion C/3 (largely intact example of Queen Anne style nineteenth century ranch complex). Similar data exists for other properties. Please conduct additional historical research as necessary to re-evaluate all previously identified and evaluated built environment features identified in Table

8-1 in Appendix 4.5-A and Section 4.5 and revise Appendix 4.5-A and Section 4.5 accordingly.

DR CUL/TRI-8. Preliminary research conducted by CEC staff suggests that numerous built environment features, primarily linear features, were not identified in Confidential Appendix 4.5-A. CEC staff, using historic maps and aerials, and Solano County parcel maps and records of survey and other online databases, have identified the following 45+ year old built environment linear features that were not identified in Appendix 4.5-A within the 0.5-mile built environment study area or within the project site. Please confirm these findings with additional desktop research and/or historic architectural survey. If confirmed, these features need to be added to Confidential Appendix 4.5-A, recorded on the appropriate Department of Parks and Recreation (DPR) 523 forms, and evaluated for significance under the California Environmental Quality Act (CEQA). The linear features include, but are not limited to the following:

- Roads and Highways
    - Kilkenny Road – County Road No. 393
    - Byrnes Road – County Road No. 122
    - Weber Road – County Road No. 162
    - N. Meridian Road – County Road No. 105
    - Interstate 80/U.S. Route 40 – Bisects Project Area
- Canals, Ditches, Laterals, Flood Control Channels
    - Kilkenny Canal – North side of Kilkenny Road and East of Kilkenny-Byrnes Road Intersection
    - Gibson Canyon Creek Flood Control (FC) Channel – Improved by Solano County Flood Control and Irrigation District
    - Solano Irrigation District Canal – Running along east side of I-80
    - Numerous Laterals – Solano Irrigation District

Note: The above noted features appear to be 45+ years in age. In addition, the canals, ditches, laterals, and FC channels may be components of a larger district of features under the jurisdiction of the Solano County Flood Control and Irrigation District.

DR CUL/TRI-9. While resumes were provided in Appendix 4.5-1, there is no narrative description of who was responsible for what task. Please provide the names and qualifications of the cultural resources specialists who contributed to and were responsible for literature searches and preparation of the technical report in accordance with Appendix B (g) (2) (C) (v).

REFERENCES CITED

Hoover et al. 2002 – *Historic Spots in California*. 4th ed.

Johnson 1978 – Patti Johnson. "Patwin". In *California*, edited by Robert F. Heizer, pp. 350–360. Handbook of North American Indians, Vol. 8, William C. Sturtevant, gen. ed. Washington, D.C.: Smithsonian Institution, 1978.

Kroeber 1932 – A. L. Kroeber. "The Patwin and their Neighbors." *University of California Publications in American Archaeology and Ethnology* 29(4):253–423.

Kroeber 1976 – A. L. Kroeber. *Handbook of the Indians of California*. Originally published 1925 as *Bulletin 78*, Bureau of American Ethnology, Smithsonian Institution. Reprint by Dover, New York, 1976.

GEOLOGICAL HAZARDS

Appendix B (g) (17) (A) requires a summary of geologic resources of the project site and related facilities, including linear facilities. Appendix B (g) (17) (C) requires a map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Appendix B (g) (17) (C) requires a discussion of the techniques used to identify and evaluate these resources.

Section 4.7 and Appendix 4.7-A provide a discussion of the setting and CEQA impacts related to paleontological resources. However, the document does not contain a discussion of if other geologic resources of recreational, commercial, or scientific value were researched nor evaluated.

> **DR GEO-1.** Please provide a discussion regarding the research and evaluation of any other potential geologic resources of recreational, commercial, or scientific value. If any other geologic resources of recreational, commercial, or scientific value are found and evaluated, please include an appropriate map.

Appendix B (i) (1) (A) requires 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. Appendix B (i) (1) (A) requires the table or matrix to explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.

In Section 4.7.6, pages 4.7-22 to 4.7-29, the document describes laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and discusses the applicability of, and conformance with each. However, this information is not provided in a table format and does not include explicit references to pages in the application wherein conformance with each law or standard during both construction and operation of the facility is discussed.

DR GEO-2. Please add a table or matrix that explicitly references pages in the application wherein conformance with each law or standard during both construction and operation of the facility is discussed.

GREENHOUSE GAS EMISSIONS

In Table 4.9-1, the applicant proposes the use of 5,386 kg of R-134a as the refrigerant, which has a Global Warming Potential (GWP) of 1,430. However, the application does not demonstrate how the use of R-134a would comply with the Prohibitions on Use of Certain Hydrofluorocarbons in Stationary Refrigeration, Stationary Air-conditioning and Other End-Uses (California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 10 on Climate Change, Article 4, Subarticle 5, Section 95374). Staff needs this analysis to demonstrate that the project would not conflict with regulations adopted for the purpose of reducing the emissions of greenhouse gases.

DR GHG-1. Please demonstrate how the use of R-134a would comply with the Prohibitions on Use of Certain Hydrofluorocarbons in Stationary Refrigeration, Stationary Air-conditioning and Other End-Uses. If not, please propose an alternative refrigerant, and provide updated greenhouse gas emission estimates associated with the newly proposed refrigerant.

In Table 4.8-4, the applicant lists the "Indirect GHG Emissions from Round-Trip Efficiency Losses." However, the applicant did not provide calculation details, such as the round-trip efficiency used in the calculation. Staff needs the spreadsheet file of the emissions calculations with live, embedded calculations to complete the analysis. Additionally, the applicant's calculation does not consider the degradation of round-trip efficiency over the project lifetime.

DR GHG-2. Please provide a copy of the spreadsheet file of the emissions calculations shown in Table 4.8-4 with live, embedded calculations.

DR GHG-3. Please include assumptions that account for the degradation of round-trip efficiency over the project lifetime in the calculation of indirect GHG emissions.

HAZARDOUS MATERIALS HANDLING

The application includes a Phase I Environmental Site Assessment (ESA) as Appendix 4.9-A (TN 259900). The Phase I ESA was conducted in June/July 2024 in accordance with ASTM 1527-21 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process) by NextEra for the Corby BESS project site. The Corby BESS project site is defined in the Phase I ESA as an approximately 40-acre property located in the southwestern quadrant of the intersection of Kilkenny and Byrnes Roads in Vacaville, Solano County, California. The Phase I ESA does not include any data or discussion of other portions of the project except for the Corby BESS facility; it does not include any environmental data or hazardous material/waste analysis

for offsite facilities such as the 1.1-mile-long gen-tie and associated structures.

DR HAZ-1. Please provide an updated Phase I ESA that covers the offsite components, including the gen-tie line and associated structures, and areas of anticipated ground disturbance that are not within the Corby BESS footprint.

In application section 4.9.2.1, page 4.9-5, and section 4.9.3.4, page 4.9-19, (TN 259874), the applicant states that "hazardous materials used for operations will either be stored offsite at a regional O&M facility or stored onsite in accordance with the manufacturers' specifications and consistent with applicable regulatory requirements, including dedicated storage areas with secondary containment to prevent accidental release". Section 4.9.3.4, page 4.9-19 further states that enclosures used to store hazardous materials will be inspected regularly for any signs of failure or leakage. Table 4.9-1 lists use and storage information of hazardous materials for the project but does not include any hazardous materials that would be stored onsite during project operation in locations other than within the batteries of BESS enclosures.

DR HAZ-2. Please clarify if the terminology "enclosures used to store hazardous materials" refers to the battery enclosures, storage enclosures for other hazardous materials, or both types of enclosures. Additionally, please specify how often the hazardous material enclosures would be inspected for leaks.

DR HAZ-3. Please update Tables 4.9-1 and 4.9-2 with information for hazardous materials that could be stored onsite during project operation in areas other than the BESS enclosures.

Appendix B (g) (10) (A) requires a list of all materials used or stored onsite that are hazardous or acutely hazardous, as defined in California Code of, title 22, section 66261.20 et seq., and a discussion of the toxicity of each material. Additionally, Appendix B (g) (10) (C) requires a discussion of the storage and handling system for each hazardous material used or stored at the site. Section 4.9.2.1 includes Table 4.9-1 - Use and Storage of Hazardous Materials and Table 4.9-2 - Toxicity, Reactivity, and Flammability of Hazardous Materials Onsite. Both tables appear to only present information about hazardous materials that would be used and stored onsite during project operation. Section 4.9.2.1, page 4.9-4, indicates that project construction would involve the storage and use of hazardous materials, such as fuels, lubricants, other oils, and greases, for construction equipment. Additionally, 1,300 gallons of diesel fuel stored in temporary stationary tanks with secondary containment would be available for construction equipment to use. The application indicates that the hazardous materials used during construction will be stored at the temporary construction laydown areas.

DR HAZ-4. Please update Tables 4.9-1 and 4.9-2 to include the anticipated

hazardous materials that would be stored and used during project construction.

DR HAZ-5. Please update discussions related to hazardous materials used in construction. This includes section 4.9.2.1, heading Hazardous Material Use and Disposal (page 4.9-4), section 4.9.3.4, Impact 4.9-1 and Impact 4.9-2, to include the revised Table 4.9-1 and 4.9-2 information.

DR HAZ-6. Please provide a discussion of refueling practices during construction. How often would the construction diesel fuel storage tank be refilled and what measures would be taken to prevent leaks and spills during refueling? Would vehicle and equipment maintenance occur onsite and, if so, what measures would be taken to prevent leaks/spills?

Table 4.9-1 presents information on the quantities of the hazardous materials listed that would be stored onsite, but it is unclear what time period these quantities represent. Most of the hazardous materials listed are part of the BESS enclosure and batteries and it is unclear if the volume/quality of materials listed is for the initial installation of 384 BESS enclosures or after the final augmentation and full build out of 544 BESS enclosures. For hazardous materials not part of the BESS enclosure, or batteries, it is unclear if the volumes listed are the total anticipated volume at any one time or for over the lifetime of the project.

DR HAZ-7. Please clarify the if the volume/quantity of hazardous materials that is related to the BESS enclosures and batteries is related to the initial installation of 384 BESS enclosures or after the final augmentation and full build out of 544 BESS enclosures. Please provide quantities/volumes for all hazardous materials used and stored during project operation at: the initial stage of 384 BESS enclosures, at each subsequent augmentation stage, and at the final build out stage of 544 BESS enclosures. Update Table 4.9-1 with the associated quantities as described above for all hazardous materials used and stored during project operation.

Impacts 4.9-1 and 4.9-2 in section 4.9.3.4 includes discussion of a required Hazardous Materials Business Plan (HMBP) and a Spill Prevention, Control, and Countermeasure (SPCC) Plan that would reduce impacts due to hazardous material use and the potential for leaks or spills during project construction and operation. The discussions of hazardous material use during project operation indicates that only minor amounts of hazardous materials, other than those included in the BESS enclosures, and no significant amounts of petroleum products are listed for use during project operation. Section 4.9.5, includes proposed project design mitigation measures PD HAZ-01, which requires development and implementation of an HMBP prior to receiving hazardous materials of reportable quantities onsite, and PD HAZ-02, which requires a SPCC be prepared and implemented prior to receiving petroleum products onsite in excess of 1320 gallons.

DR HAZ-8. Proposed project design mitigation measures PD HAZ-01 and PD HAZ-

02, require implementation of a HMBP and a SPCC, respectively. However, both of these mitigation measures are lacking in significant detail (they are each only one sentence long). Please provide additional detail for each proposed mitigation measure that includes at a minimum how and when each would be applied during construction and operation, an outline of the information that would be included in each plan, including any standard language regarding spill control and cleanup, and how preparation and implementation of the plans shall be confirmed.

Appendix B (g) (10) (G) requires a discussion of whether a risk management plan (RMP) will be required and if so, the requirements that will likely be incorporated into the plan. Section 4.9.2.1, subsection Risk Management Plan indicates that based on the types and quantities of hazardous materials identified in Table 4.9-1, a Risk Management Plan will not be required pursuant to Health and Safety Code Section 25531 et seq. Table 4.9-7, which presents the Laws, Ordinances, Regulations, and Standards (LORS) for Hazards and Hazardous Materials also notes that an RMP would not be required or prepared under Federal LORS [Federal: Section 112, Clean Air Act (CAA) Amendments (Pub. L. 101–549, 42 U.S.C. 7412) and Chemical Accident Prevention Provisions (40 CFR 68)]. However, Table 4.9-7 also indicates that a RMP would be required and prepared under State LORS [Health and Safety Code, Section 25531 through 25543.4 (CalARP)] under the oversight of the Solano County DRM EHS. One part of the application states that an RMP is required while another part of the application states that an RMP is not required.

DR HAZ-9. Please clarify if an RMP will be prepared for the project and if so, provide additional detail about preparation and implementation of the RMP.

Appendix B (g) (10) (G) required discussion of fire and explosion risk associated with the project. A deflagration prevention and control system is mentioned on pages 4.9-11 and 4.9-12, however no information is provided about this system other than that it would be compliant with NFPA 68 and/or NFPA 69. The applicant indicates on page 4.9-12 that they met with the Dixon Fire Protection District (DFPD) on October 11, 2024, to discuss the project battery technology, industry testing requirements, and recommended fire response strategy and that the DFPD concurred with the applicant's strategy for passive fire response.

DR HAZ-10. Please provide a discussion about explosion risk and how the deflagration prevention and control system would work to prevent explosions.

DR HAZ-11. Please provide a record of conversion for the discussion with the DFPD about the BESS technology and fire strategy for the Project on October 11, 2024. Also provide copies of any correspondence with the DFPD regarding the Project.

LAND USE

Per California Code of Regulations, title 20, section 1704 (a) (3) (A), an Opt-In Application for Certification must include descriptions of all significant assumptions,

methodologies, and computational methods used in arriving at conclusions in the document. California Code of Regulations, title 20, section 1704 (a) (3) (B), also requires the description to include the methodologies and findings of all major studies or research efforts undertaken and relied upon to provide information for the document.

The proposed Corby BESS project would be located on 40.3 acres of agricultural lands. The applicant prepared a Land Evaluation and Site Assessment (LESA) analysis to rate the relative quality of the affected agricultural land in order to make a determination of the project's potential impacts. This LESA analysis was docketed as part of the project's application materials (TN 259883). Staff has reviewed the LESA analysis and identified data inconsistencies as well as missing information regarding the methodologies and assumptions used to support the LESA analysis. A revised LESA analysis is necessary to accurately determine the potential significance of the project's conversion of agricultural lands.

DR LAND-1. Per California Code of Regulations, title 20, section 1704 (a) (3) (A) and section 1704 (a) (3) (B), please provide the following:

a. Provide a revised LESA analysis that includes corrections for the following data inconsistencies:
    - The acreages listed in Appendix 4.2-B, Table 3-2 and Table 3-3, do not add up correctly to the total acreage calculations presented in those tables. Please correct the acreage calculations throughout the LESA analysis.
    - The Land Capability Classification Score (LCC) is reported inconsistently in Appendix 4.2-B. A LCC Score of 60.2 is reported on page 3-4, and a LCC Score of 58.8 is reported in Table 3-3. Please correct the LCC Score throughout the LESA analysis.
    - The Storie Index Score is reported inconsistently in Appendix 4.2-B. A Storie Index Score of 52.03 is reported on page 3-4, and a Storie Index Score of 51.14 is reported in Table 3-3. Please correct the Storie Index Score throughout the LESA analysis.
    - Provide updated calculations in Appendix 4.2-B, Section 3.2.3, to ensure that the surrounding agricultural land use rating is reported consistently throughout the LESA analysis.

b. Provide all assumptions that were used to run the LESA analysis, including:
    - The assumptions and data sources used to complete Appendix 4.2-B, Table 3-5 (i.e., water source, restrictions during drought years and non-drought years).
    - The assumptions used to complete Table 3-6 (i.e., percent of agriculture within the Zone of Influence [ZOI]).

- Provide acreage data for each California Department of Conservation Important Farmland category within the ZOI, including Grazing Land, to allow staff to calculate the percent of agriculture within the ZOI. Per Public Resources Code section 21060.1, Grazing Land is categorized as "agricultural land" under CEQA. According to Figure 4, the entire ZOI appears to encompass agricultural land. If any land parcels within the ZOI are not classified as Important Farmland by the California Department of Conservation, include the acreage and county or city land use designation for each parcel.

The Corby BESS project application includes an Agricultural Mitigation Plan as Appendix 4.2-A (TN 259883). The Agricultural Mitigation Plan would require the applicant to secure a minimum of 60.5 acres of agricultural land as an agricultural preserve within the same agricultural region as the proposed project (i.e., Elmira/Maine Prairie agricultural region). The applicant states on page 4-1 of Appendix 4.2-A that it met with Solano Land Trust in October 2023 to discuss if the Agricultural Mitigation Plan would be feasible and if Solano Land Trust would assist the applicant with implementing this mitigation. The applicant further states in Appendix 4.2-A that Solano Land Trust confirmed that it could facilitate implementation of the agricultural mitigation. However, the application does not include a record of conversation or other form of documentation (e.g., a letter of commitment from the Trust) regarding the applicant's coordination with Solano Land Trust. California Code of Regulations, title 20, section 1704 (a) (3) (C), an Opt-In Application for Certification must include a list of all literature relied upon or referenced in the documents. Information used to support the conclusions in the application may include records of conversation or a letter of commitment with Trust representatives. Staff requires documentation of the applicant's coordination with Solano Land Trust to verify the feasibility of the applicant's proposed Agricultural Mitigation Plan.

DR LAND-2. Please provide records of conversation and any other relevant documentation such as a letter of commitment to support the conclusions in Appendix 4.2-A that Solano Land Trust has determined the proposed Agricultural Mitigation Plan would be feasible, and that Solano Land Trust could assist the applicant with the execution of a mitigation agreement.

California Code of Regulations, title 20, Appendix B (i) (1) (A) requires the application to include 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.

In application section 4.11.2.2, page 4.11-10 (TN 259874), the applicant states that it received a preliminary comment letter from Solano County during a pre-application

process that contained the County's preliminary input on project design requirements and environmental considerations. The applicant further states that it "…has incorporated the County's input into the current Project design, and environmental concerns raised by the County are addressed in the application." Staff has reviewed the County's preliminary comment letter provided in the application Appendix 4.11-A (TN 259896). However, staff is unable to identify where each of the County's comments are addressed by the applicant in its application. To evaluate the project's conformity with the County's preliminary design comments and environmental requirements, staff requests a crosswalk table or matrix that can direct staff to the section(s) of the application that address each of the County's comments and site design requirements.

DR LAND-3. Please provide a table or matrix that references the application sections and pages numbers which address the County's input on project design and environmental concerns, per the County's pre-application comment letter provided in Appendix 4.11-A.

PALEONTOLOGICAL RESOURCES

California Code of Regulations, title 20, Appendix B (i) (1) (A) requires tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits that are applicable to the proposed project, and a discussion of the applicability of, and conformance with each. Appendix B (i) (1) (A) requires that the table or matrix explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.

In Section 4.7.6, pages 4.7-22 to 4.7-29, and Appendix 4.7-A, pages 11 to 12, the documents describe laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and discusses the applicability of, and conformance with each. However, this information is not provided in a table format and does not include explicit references to pages in the application wherein conformance with each law or standard during both construction and operation of the facility is discussed.

DR PAL-1. Please add a table or matrix that explicitly references pages in the application wherein conformance with each law or standard during both construction and operation of the facility is discussed.

PROJECT DESCRIPTION

California Code of Regulations, title 20, Appendix B (b) (1) (B) requires 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. The substation elevation drawings are missing a section that shows the substation control building (60' long x 14' wide x 9.5' high), which is a major project feature.

DR PD-1. Please provide elevation drawings depicting the relative size and location of the power plant and all related facilities including the substation control building to establish the accuracy of the photo simulations.

California Code of Regulations, title 20, Appendix B (b) (1) (C) requires a detailed description of the design, methods of construction (include depth of excavations and other ground disturbances) and operation. The project includes augmentation activities because batteries degrade over time. The initial installation is proposed to include 384 BESS enclosures that would expand over time to 544 BESS enclosures. Site Plan Figure, 2-1 (p. 2-5), accounts for this augmentation activity and depicts both the beginning of life and end of life BESS arrays. Opt-in application Subsection 2.3.7, indicates "approximately every 2 to 3 years the facility will require battery augmentation to maintain project capacity; a crew of approximately 20 additional workers will be onsite for approximately 3 months to install and connect additional batteries." However, the project description does not provide a general description of the number of BESS enclosures anticipated to be added every 2 to 3 years or provide a general description of the construction activities that are anticipated to occur.

DR PD-2. Please identify how many BESS enclosures would typically be added every 2 to 3 years and provide a general description of the construction activities that are anticipated to occur as part of these augmentation activities including but not limited to trenching, number of vehicle trips, number of deliveries, use of cranes, etc.

California Code of Regulations, title 20, Appendix B (b) (1) (D) requires 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 other factors considered by the applicant. Application section 2.3.1, indicates, "parcels within Solano County were evaluated based on site requirements and additional screening criteria to assess site feasibility." While a general list of screening criteria was included in Subsection 2.3.1, there is not a description of how this was applied to the project.

DR PD-3. Please provide 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 other factors considered by the applicant.

California Code of Regulations, title 20, Appendix B (b) (2) (A) requires 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). Figure 3-1 identifies existing and proposed transmission line routes. However, the figure does

not identify the 1-mile radius around the proposed transmission line routes or label and/or clearly identify any parks, recreational areas, and/or scenic areas.

DR PD-4. Please update Figure 3-1 to identify the 1-mile radius around the proposed transmission line routes and clearly identify any parks, recreational areas, and/or scenic areas.

California Code of Regulations, title 20, Appendix B (b) (2) (B) requires 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. The longest stretch of above-ground gen-tie line would be the approximately 0.4-mile segment that heads north from Kilkenny Road. Appendix 4.1-A, Figure 3-9, KOP 1 captures one very obscured (by the existing 500 kV lattice structure) pole. A better location for a view of the gen-tie corridor and line would be from the south side of the existing 500 kV line, viewing to the northeast and capturing several poles along that segment.

DR PD-5. Please provide 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.

California Code of Regulations, title 20, Appendix B (e) (1) requires a discussion of how facility closure would be accomplished in the event of premature or unexpected cessation of operations. Application Section 2.6, Facility Closure, includes discussion on how the proposed project would be decommissioned when the project's life is over (anticipated to be approximately 30 years) but does not include a discussion of how this would be accomplished in the event of premature or unexpected cessation of operations.

DR PD-6. Please provide a discussion of how facility closure would be accomplished in the event of premature or unexpected cessation of operations.

RELIABLITY

California Code of Regulations, title 20, Appendix B (h) (3) (B) (i) requires a discussion of the anticipated service life and degree of reliability expected to be achieved based on consideration of the expected overall availability factor, and annual and lifetime capacity factors. However, this information is missing in the received Opt-in application.

DR RELI-1. Please provide the annual equivalent availability factor and annual and lifetime capacity factors for the BESS project.

SOCIOECONOMICS

California Code of Regulations, title 20, Appendix B (g) (7) (A) (iii) requires the existing

and projected unemployment rate. Subsection 4.14.2.3 (TN 259874) of the application provides the existing unemployment rate.

DR SOCIO-1. Provide the **projected** unemployment rate of the region affected by the construction and operation of the project, or if this data is unavailable provide an explanation.

California Code of Regulations, title 20, Appendix B (g) (7) (A) (iv) requires availability of skilled workers by occupation required for construction and operation of the project. Table 4.14-9 in subsection 4.14.3.1 (TN 259874) of the application provides the availability of skilled workers by occupation required for construction.

DR SOCIO-2. Provide the availability of skilled workers by occupation for operation of the project. Acknowledging that the applicant expects that the facility will not require on-site operations workers on a daily or weekly basis, operations phase workers will still be required periodically. Please provide an estimate of the **occupational type** and number of operations workers required for the following:

1) the expected major maintenance inspection occurring annually for approximately one week, and
2) the expected battery augmentation process occurring every two to three years for approximately three months.

California Code of Regulations, title 20, Appendix B (g) (7) (A) (vi) requires the application include the capacities, service standards, 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, school districts, parks and recreation facilities, libraries, and other public facilities. California Code of Regulations, title 20, Appendix B (g) (7) (B) (i) specifically asks for response times to hospitals and for police protection, fire protection, emergency services, parks and recreation facilities, libraries, and other public facilities.

The public service providers were generally discussed in application subsection 4.15.2 (TN 259874). School districts existing use information was provided in Table 4.15-1, and fire response times were provided in subsection 5.15.2.1. However, other information for capacities, service standards, and existing and expected use levels of public services (fire protection, law enforcement, emergency response, medical facilities, school districts, parks and recreation facilities, and libraries) was not included in the application.

DR SOCIO-3. Provide the capacities, service standards, response times, and **existing** and **expected** use levels of fire protection services, law enforcement, emergency response, medical facilities, school districts, parks and recreation facilities, and libraries.

California Code of Regulations, title 20, Appendix B (g) (7) (B) (vi) requires the application include an estimate of school impact fees. The applicant states that it will pay all required developer fees but does not provide a dollar amount.

DR SOCIO-4. Provide a quantitative estimate of applicable school impact fees, or if this data is unavailable provide an explanation.

California Code of Regulations, title 20 (g) (7) (B) (vii) requires an estimate of the total construction payroll and separate estimates of the total operation payroll for permanent and short-term (contract) operations employees. Application subsection 4.14.3.2 (TN 259874) provides the annual payroll for the six operational employees expected over the operating life of the project. Page 4.14-10 states, "One major maintenance inspection will also take place annually, requiring approximately 20 personnel for approximately one week. In addition, approximately every 2 to 3 years the facility will require battery augmentation to maintain Project capacity, which will involve a crew of approximately 20 additional workers onsite for approximately 3 months to install and connect additional batteries." The application does not include the payroll for the 20 personnel required for the annual major maintenance inspection, nor the 20 personnel required for the battery augmentation work.

DR SOCIO-5. Provide the estimated payroll for the following:

1) the 20 personnel required for the annual major maintenance inspection, and
2) the 20 personnel required for the battery augmentation work.

California Code of Regulations, title 20, Appendix B (g) (7) (B) (x) requires the application include an estimate of sales taxes generated during construction and separately during an operational year of the project. The application provides this information for construction. For operations, the application states, "Local expenditures associated with Project operation are expected to be mainly associated with O&M labor and property taxes. Other infrequent local expenditures for fuel and other incidentals will generate small amounts of sales tax during a typical operational year but are not expected to make a notable contribution to Solano County or other taxing jurisdictions." It does not provide a quantitative estimate.

DR SOCIO-6. Provide a quantitative estimate of sales taxes during an operational year of the project, or if this data is unavailable, please provide an explanation.

California Code of Regulations, title 20, Appendix B (i) (1) (A) requires 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 applicant provides a table with conformance for Utilities, but is missing a table for Population/Housing and Public Services.

DR SOCIO-7. 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 for both Population/Housing and Public Services.

TRAFFIC AND TRANSPORTATION

California Code of Regulations, title 20, Appendix B (g) (5) (C) (iv) requires the presentation of a proposed Transportation Demand Management (TDM) plan and supporting documents. The TDM plan states methods to be used during construction to minimize construction trips to and from the site.

DR TRANS-1. Provide a Transportation Demand Management plan with recommended strategies and timeframes to reduce the number of trips during construction. Supply any documentation supporting the expected trip reduction.

California Code of Regulations, title 20, Appendix B (g) (5) (D) (vi) requires the identification of any road features in the study area affecting public safety.

DR TRANS-2. Provide a listing of any existing features on the study area roads that may affect public safety. State how they affect safety and possible ways to mitigate the hazards. If there are no existing features creating hazards, that should be stated.

TRANSMISSION SYSTEM DESIGN

For the identification of impacts on the transmission system and the indirect or downstream transmission impacts, staff relies on the Phase I and Phase II Interconnection Studies to ensure the interconnecting grid meets the California Independent System Operator (California ISO) reliability standards. The studies analyze the effect of the proposed project on the ability of the transmission network to meet reliability standards. When the studies determine that the project will cause a violation of reliability standards, the potential mitigation or upgrades required to bring the system into compliance are identified. The mitigation measures often include the construction of downstream transmission facilities. CEQA requires the analysis of any downstream facilities for potential indirect impacts of the proposed project. Without a complete Phase I or Phase II Interconnection Study, staff is not able to fulfill the CEQA requirement to identify the indirect effects of the proposed project.

Complete descriptions of the project transmission and interconnection facilities are also required to determine whether the project, as proposed, would comply with California Public Utilities Commission (CPUC) General Order (GO) 95, 128 and 131-D construction standards. Therefore, please provide following information:

DR TSD-1. Please resubmit Figures 3-5a, 3-5b, 3-5c and 3-6. These figures submitted are not legible. Show all equipment ratings including the bay arrangement of the circuit breaker, disconnection switches, buses, transformers, and

other equipment that would be required for the project interconnection to the proposed switchyard.

DR TSD-2. Please provide detailed PG&E Vaca-Dixon Substation one-line diagram with the proposed project interconnection. Show all equipment ratings including bay arrangement of the breakers, disconnect switches, buses, generator tie-line, line rating, and other equipment.

DR TSD-3. Please discuss the CPUC GO 128 standard in reference to the project's underground construction facilities, such as grounding, duct banks, derated ampacity, underground conductor clearances, and soil resistivity analysis.

DR TSD-4. Please provide the generator tie-line underground cable type, size, and current carrying capacity.

DR TSD-5. Please clarify the overhead generator tie-line information. The overhead conductor name, type, size, and current carrying capacity provided in application Section 3.2.1 are different from what is provided in Appendix 3-A Figure 1-2.

DR TSD-6. Please provide an execute Large Generator Interconnection Agreement.

DR TSD-7. The applicant provided the Appendix A of the Cluster 9 Interconnection Study Report only. Please provide the entire California ISO Cluster 9 Phase II Interconnection Study Report including all the appendices and attachments.

DR TSD-8. Please provide the most recent Generator Interconnection Reassessment Study Report if it is available.

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.

TRANSMISSION LINE SAFETY AND NUISANCE

California Code of Regulations, title 20, Appendix B (g) (18) (B) requires an estimate of the existing electric and magnetic fields from the facilities listed 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.

DR TLSN-1. Please provide grounding details of the proposed project’s substation and generator tie-line structures. Please provide the expected Electro Magnetic Field and Electric Field values, below the gen-tie line. Also provide an estimate of the radio and television interference that could result from the project.

VISUAL RESOURCES

California Code of Regulations, title 20, section 1704 (a) (3) (A) requires the submittal of descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document. Subsection 4.1.3.2 (Aesthetics Concepts and Methodology) of the application refers to Attachment A (BLM Visual Contrast Rating Worksheet [Form 8400-4]), but Attachment A has not been provided.

DR VIS-1. Please provide Attachment A (BLM Visual Contrast Rating Worksheet [Form 8400-4]) as referred to in subsection 4.1.3.2 (Aesthetics Concepts and Methodology) of the application.

California Code of Regulations, title 20, Appendix B (g) (1) requires a discussion of the expected direct impacts due to operation of the project. While several Key Observation Points (KOPs) were established from which to assess the project's visual impacts, there is no KOP or simulation that adequately captures the foreground visual impact of the project's substation (though KOP 3, approximately 0.5 mile to the southwest, captures a more distant view of the substation).

DR VIS-2. Please establish an additional KOP (#7) on eastbound Kilkenny Road at approximately **Lat: 38.395324º; Long: -121.909814º**. The view should be to the southwest to capture the substation facilities, gen-tie structures 1 and 2, and fiber optic line and poles. This view would also capture the 15-foot-tall sound barrier along Kilkenny Road. Also, provide the necessary analysis and supporting information including a Contrast Rating Worksheet and visual simulation. Simulation of any proposed landscaping should be limited to one year of growth as required by CEC regulations.

CEC Siting Regulations, Appendix B (g) (1) requires the identification of any reference materials used such as a general plan or other adopted local, regional, or Statewide plan. Although the City of Vacaville General Plan Conservation and Open Space Element is identified in Table 4.1-3 and subsection 4.1.6.3 of the application, there is no reference provided in subsection 4.1.9 References.

DR VIS-3. Please provide a reference citation in subsection 4.1.9 of the application for the City of Vacaville General Plan Conservation and Open Space Element entry referenced in subsection 4.1.6.3.

California Code of Regulations, title 20, Appendix B (g) (6) (C) (v) requires that each KOP photograph and photo-realistic simulation are to be capable of 11" x 17" color-print by a printer capable at a minimum 600 dots per inch output resolution. The images provided are of low resolution.

DR VIS-4. Provide to the CEC project manager electronic files of stand-alone, high-resolution, KOP existing view and simulation images that are capable of being printed at 11" x 17" with a minimum 600 dots per inch output resolution.

California Code of Regulations, title 20, Appendix B (g) (6) (D) (i) requires that a table listing the dimensions (height, length, width, diameter) of project structures and dimensions be provided. Table 3-1 in Appendix 4.1-A of the application provides the height of the gen-tie H-Frame and poles but does not provide the pole diameters.

DR VIS-5. Please add the gen-tie pole diameters to Table 3-1 in Appendix 4.1-A of the application. Alternatively, add the gen-tie pole diameters along with the other gen-tie information provided in Table 3-1 to Table 4.1-2 in the application subsection 4.1.3.3, pages 4.1-10 to 4.1-11. Also, add the fiber optic, wood-pole specifications (including the number of poles) to the table. Additionally, provide an elevation drawing that includes the substation control building.

California Code of Regulations, title 20, Appendix B (g) (6) (D) (iv) requires that a project-specific conceptual landscape design plan that conforms with the city municipal code or county government code. The submitted plan provides no documentation that demonstrates conformance with the city municipal code or county government code, and there is no evidence that the appropriate agency has been consulted with respect to the submitted plan.

DR VIS-6. Please provide documentation that demonstrates conformance with the city municipal code or county government code.

California Code of Regulations, title 20, Appendix B (g) (6) (D) (v) requires that a project-specific, conceptual, outdoor lighting control and management plan be provided that explains the control of reflectance from exterior surfaces off site that conforms with the city municipal code or county government code. A lighting plan has not been provided. The brief description of intended lighting in subsection 4.1.3.3 represents a good statement of intent but does not provide the necessary detail required by the CEC regulation.

DR VIS-7. Please provide a project-specific, conceptual, outdoor lighting control and management plan, and explain the control of reflectance from exterior surfaces off site that conforms with the city municipal code or county government code. Include a list of the project-specific luminaires; identify the design(s); and indicate if the luminaires have the International Dark-Sky Association Fixture Seal of Approval to the extent feasible consistent with safety and security considerations. Also, show the project-specific luminaire locations on a diagram or elevation. Include a description of the intensity of the specular reflectance from the exterior surface of the project's large buildings, structures, and major equipment off site to the surrounding area. Additionally, provide information that documents conformance with the city municipal code or county government code, including consultations with, and review and comment by, the appropriate local agencies. Tie the provision of the outdoor lighting control and management plan to a new mitigation measure to be added to application subsection 4.1.5 (Mitigation Measures), the purpose of which is to address the potentially significant visual impact of uncontrolled night

lighting.

California Code of Regulations, title 20, Appendix B (i) (A) requires that a table identifying the laws, regulations, ordinances, and standards explicitly refer to pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed. This has not been provided.

DR VIS-8. Please provide the appropriate page references to application Table 4.1-3 where conformance with each law or standard during both construction and operation of the facility is discussed.

California Code of Regulations, title 20, Appendix B (i) (1) (B) requires the identification of 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 to identify agencies that would have permit approval or enforcement authority, but for the exclusive authority of the commission, to certify sites and related facilities.

DR VIS-9. Identify each agency with jurisdiction to issue applicable permits and/or approvals, but for the exclusive authority of the CEC, pertaining to the required project-specific, conceptual, outdoor lighting control and management plan and landscape plan.

California Code of Regulations, title 20, Appendix B (i) (2) requires contact information of an official who was contacted within each agency.

DR VIS-10. Application subsection 4.1.7 states that no agencies were contacted. Please provide the name, title, phone number, address (required), and email address (if known) of each official who will be contacted within each agency and provide the name of the official who will serve as a contact person for CEC staff, with respect to review and comment of the project-specific, conceptual, outdoor lighting control and management plan and landscape plan.

WASTE MANAGEMENT

Appendix B (g) (12) (B) requires a description of each waste stream estimated to be generated during construction and operation, including origin, hazardous or nonhazardous classification, and estimated annual weight or volume generated, and estimated frequency of generation. Section 4.19.2.1, Waste Generation and Section 4.19.3.1, - Solid Waste Disposal, provide limited descriptions of the types of hazardous waste but does not include estimated annual weight or volume that would be generated by project construction and operation.

DR WASTE-1. Please provide a more detailed description of the types and volumes of hazardous waste that would be generated by project construction and operation, how the hazardous waste would be managed, where it would be stored onsite, and

how long it would be stored onsite before being transferred offsite by a permitted hazardous waste transporter.

WATER RESOURCES

The first sentence of Section 4.10.2.6 of the application states "*No water will be required for Project operations*". However, the second sentence of the following paragraph states "*Following construction, temporary irrigation will be required to support establishment of the proposed drought tolerant perimeter landscaping,*", which would occur for three to five years.

DR WATER-1. There is an apparent contradiction between the two statements. Please clarify if no water would be required for project operations or if water would be needed for uses such as irrigation. Section 2.3.3 of the application states, *"Following construction, temporary irrigation will be required to support establishment of the proposed drought-tolerant perimeter landscaping. Approximately 664,000 gallons (2.0 acre-feet) will be required during the first year following installation. Required irrigation volumes are expected to be scaled back by 20 to 30 percent each year to allow for complete shutoff of irrigation by year 3 through 5".*

If drought-tolerant plant irrigation is scaled back by 20 to 30 percent of water use in the initial year (132,800 - 199,200 gallons), then irrigation shutoff would occur by 5 to 6 years.

DR WATER-2. Please clarify how drought-tolerant plant irrigation would be scaled back and confirm that landscape irrigation would be shut-off by year 5 or 6.

Section 4.10.2.6 of the application identifies the Solano Irrigation District (SID) as the preferred water supply source with an alternative of onsite groundwater extraction if SID cannot meet project water needs. As discussed in the previous data requests, water appears to be needed to establish drought tolerant landscaping following construction, during project operations. Yet, Section 4.10.3.2, Deplete Groundwater states, *"No groundwater will be used during operations, so the Project will not negatively impact the groundwater resource in the Solano Subbasin by depleting groundwater through use."*

DR WATER-3. Please clarify this apparent contradiction and revise the conclusion regarding the impact to the Solano Groundwater Subbasin accordingly.

As mentioned above, project water supply would either be provided by SID or an on-site groundwater well. According to Section 4.19.2.3, a SID canal runs along the northern boundary of the project property and Kilkenny Road. Presumably, SID water supply would be obtained from this canal if that option is available. However, there is no description or figure regarding conveyance of SID water to the project facility per California Code of Regulations, title 20, Appendix B (g) (14) (C) (iv).

DR WATER-4. Please provide a description and figure of how project water supply would be connected to the SID canal along Kilkenny Road and conveyed to the project site.

According to the Preliminary Grading Plan BCR-C-100-C-B in Appendix 2-B (TN 259886) and Appendix 4.10-A (TN 259895), stormwater runoff from facility drainage areas would be diverted into two stormwater ponds by a system of drainage ditches. When the ponds are full, accumulated stormwater would outfall over weirs into the drainage ditch along Brynes Road and the eastern edge of the site. A three foot high berm would divert stormwater away from the west and south upslope boundaries of the facility.

Based on Appendix 2-B preliminary grading plan, there appears to be a lack of design elements to control erosion. There is a 2 to 3 foot drop at the transition from the facility drainage ditches into the stormwater ponds. Likewise, the stormwater pond overflow locations have a similar drop, and are neither identified in Appendix 2-B preliminary grading plan, nor the Post-Construction Drainage Exhibit of Appendix 4.10-A. Since all the drainage ditches and stormwater ponds are covered with seeded topsoil, erosion could occur at these transition points.

In addition, there appears to be a gap along the west side of the facility between the northern terminus of the three-foot berm and the slightly elevated project substation. Although the road along the western boundary of the project property may act as a deterrent, the general regional slope is to the south-southwest and stormwater runoff could accumulate and flow uncontrolled into the facility interior.

DR WATER-5. Please include design elements to address possible erosion at transitions between the drainage ditches and the stormwater ponds, stormwater pond overflow to the Brynes Road drainage ditch, and the berm/substation gap. Please show these design elements on applicable application figures.

As stated above, excess stormwater would outfall over weirs into the drainage ditch along Brynes Road and the eastern edge of the site. The Byrnes Road drainage ditch ultimately drains into Ulatis Creek before emptying into the Sacramento-San Joaquin Delta. Yet, there is no discussion of the physical and chemical characteristics of local water bodies per California Code of Regulations, title 20, Appendix B (g) (14) (B)(ii).

DR WATER-6. Please provide the physical and chemical characteristics of local water bodies such as Ulatis Creek and the Sacramento-San Joaquin Delta per California Code of Regulations, title 20, Appendix B (g) (14) (B)(ii).

WILDFIRE

The discussion under Impact 4.20-1 (page 4.20-8) states that "Onsite O&M activities will include performing routine visual inspections, executing minor repairs, and

responding to needs for plant adjustment. As previously mentioned, one major maintenance inspection will occur each year, requiring approximately 20 personnel for approximately 1 week."

DR WILDFIRE-1. Would general onsite O&M activities, as described above occur more frequently than once per year? If so, how frequently would standard onsite O&M activities occur? How often and what types of O&M activities would occur for the offsite project facilities such as the gen-tie?

In the discussion under Impact 4.20-2 on page 4.20-9, the applicant states "Combustible vegetation or agricultural products on and around the Project boundary will be actively managed by the Project owner or its affiliates during the construction phase of the Project to minimize fire risk. Combustible products will be either limited in height or removed. Additionally, the Project will include firebreaks around the site boundary in the form of access roads subject to County standards". No further detail is provided about what height limits and buffer distances would be applied to combustible vegetation at or near the project for on- and offsite components during construction or operation, nor is there any detail on which access roads would serve as firebreaks.

DR WILDFIRE-2. Please provide a discussion of combustible vegetation to control for fire protection/wildfire reduction for both on- and offsite project components for both construction and operation of the project, including anticipated locations of combustible vegetation control, limited vegetation heights, and combustible vegetation clearance buffers.

DR WILDFIRE-3. Please identify which access roads would be used or serve as firebreaks for each of the major project components, including the BESS array, project Substation, and gen-tie line. What is the width of the access roads that would serve as firebreaks for the project?

In Section 4.20.3.1 under Impact 4.20-1 (page 4.20-7) the applicant states "The Project will also incorporate fire protection measures in accordance with the requirements set forth by the County". However, no information is provided on the types of fire protection measures the County would require.

DR WILDFIRE-4. Please provide a discussion of fire protection measures that would be required by the County for the project site and along the gen-tie line.

Appendix 4.9-B, Fire Response Procedure Template (TN 259900), provides a short list of steps to take in the event of a fire at a BESS facility. However, much of this list is not applicable to the project as it assumes and relies on BESS facilities that include fire suppression systems and that can be entered. Sections 4.9 and 4.20 of the application indicate that the project is not a walk-in BESS (i.e. cannot be entered) and a fire suppression system in not required.

DR WILDFIRE-5. Please provide an updated Fire Response Template that includes response steps/information for BESS structures that do not contain fire suppression systems and that cannot be entered.

In Section 2.3.6 the applicant has indicated that "fire detection systems that meet or exceed industry standards" would be employed and in section 4.20.3.1 under Impact 4.9-2 (page 4.20-9) that "fire detection measures" would be incorporated into the project design. Section 2.3.6 contains a discussion of fire protection systems and features but there is no clear description of the fire detection system in the application. A representative fire protection system schematic is provided in Appendix 2-D (TN 259886) that appears to incorporate some fire detection components, but the Appendix does not include a written description of the system.

DR WILDFIRE-6. Please provide a discussion of the components of the fire detection system and how they will work. Is the identified fire detection system confined to the BESS enclosures? Is there a fire detection system for other components of the BESS facility and along the gen-tie line? If so, please provide a description of any fire detection systems for these project components?

WORKER SAFETY AND FIRE PROTECTION

Application Section 2.3.2.1 states the initial BESS installation would include 384 BESS units (enclosures) at the "beginning of life" (BOL) and approximately 544 BESS units at the "end of life" (EOL). Site renderings and figures within the application (e.g. Figure 1-5 and Figure 2-1) appear to depict approximately 272 BESS units. Staff requires that the narrative and figures for the BESS enclosures match the higher number of BESS enclosures contemplated (544) in order to assess the risk of fire escalation and potential need for mitigation.

DR WS-1. Please provide site diagrams illustrating the placement and distribution of the 544 proposed BESS units across the parcel.

California Code of Regulations, title 20, Appendix B, Section (g) (10) (G) requires a discussion of the fire and explosion risks associated with the project. Appendix B Section (g) (11) (B) requires a complete description of the fire suppression systems for the project. The application did not include adequate discussion of potential risk of BESS fire associated with the project. Without adequate discussion staff cannot determine what fire protection and mitigation could be needed. Additionally, an evaluation of a potential BESS fire at the project site must be conducted to assess the direct, indirect, and cumulative impacts. For example, the UL9540A testing included in Appendix 4.9-C for both cell and module levels indicate that significant gaseous releases are possible from the BESS. While not fully characterized, lithium-ion battery fires have been shown to emit toxic air contaminants (TAC), including hydrochloric acid, hydrofluoric acid, hydrogen cyanide, and carbon monoxide. Furthermore, Li-ion

batteries, even those using LiFePO4, emit flammable gases (hydrogen, methane, ethane, propane just to name a few) as well as benzene. Staff must evaluate the risks associated with potential toxic emissions during a fire at this site and the impacts of those emissions on workers, the public, Travis Air Force Base, and the nearby Interstate-80 corridor.

DR WS-2. Please provide discussion describing how the applicant arrived at conclusions for fire protection for the project. Please also provide descriptions of all significant assumptions, methodologies, and computational methods used in arriving at those conclusions.

DR WS-3. Please provide an evaluation along with additional discussion of the potential impacts of a BESS fire at the site that includes air dispersion modeling of BESS fire emissions of gases identified in the UL9450A test.

DR WS-4. Please provide, at a minimum, a 30 percent design for the battery storage systems. This should include dimensioned plan and elevation views, required enclosure spacing, built-in safety features, and details of backup power systems (as referenced in Section 2.3.6.2).

Safety training is an essential component of an occupational safety and health program for workers at any site. Staff needs to better understand the components of the safety trainings listed within Table 4.9-6. There may be components within these programs that are not specifically listed but deemed important or required during project activities, such as reporting of incidents, ergonomics, lone worker, biological risks, hot/cold environments, Valley Fever, and exposure monitoring to name a few.

DR WS-5. Please provide a description of each training course. Ensure that the training adequately covers the risks associated with the project. This can be in a table format using short phrases or a sentence or two.

The fuel storage and handling system proposed during project construction activities is not well described. Section 4.9.2.1, *Hazardous Materials Use and Disposal*, mentions that 1,300 gallons of diesel fuel will be stored in temporary stationary tanks with secondary containment, but it does not include details on the fuel handling process. Staff needs to understand and evaluate how fuel will be managed during the project, whether it will be a fuel depot, fuel delivery tanker, or off-site refueling.

DR WS-6. Please provide a description of the proposed fuel management and handling during both the construction and operations (if applicable), including details on fuel delivery and distribution methods and systems, containment systems, and fire prevention measures to be implemented (e.g., static electricity mitigation, etc.).

Staff requires clarification regarding discrepancies regarding the proposed batteries: Section 2.3.2.1 identifies the battery as CATL Model CBFAD with UL 9540A testing completed, but Appendix 4.9-C provides test results for a different model (AACD). These results indicate a Module Level Test failure and recommend Unit-Level testing, which has not been conducted, the UL 9540 Listing Certificate is missing, and Sections 2.3.6 and 4.9.3.1, along with other references briefly describe aspects of the supervisory control provided by the Battery Management System (BMS), emphasizing its role in hardware protection and fire monitoring and prevention. Staff would like additional details on how the BMS specifically responds to detected issues.

DR WS-7. Please clarify the specific batteries proposed for the project and provide the complete UL 9540A testing results and the UL 9540 Certificate of Compliance. Please also include information regarding the electrolyte(s) and associated Safety Data Sheets (SDS) for these materials.

DR WS-8. Please provide a comprehensive description of the BMS, including how it manages adverse conditions such as those described in application Section 2.3.6. Additionally, please provide the UL 1973 Certificate for the BMS.

Section 4.9.3.1, Hazard Analysis, provides a list of common hazardous conditions associated with BESS, along with corresponding hazard design protective measures. However, the protective measures outlined in Table 4.9-4 (page 4.9-11) are only partially discussed in the subsequent sections. The narrative provided is insufficient for staff to evaluate proposed worker safety measures.

DR WS-9. Please expand the narrative of how each of the hazards listed in Table 4.9-4 is addressed by the protective measures.

BACKGROUND

Section 2.3.3 states that no water would be required for project operations. However, clarification is needed regarding specific emergency response and fire protection measures, including the use of an adequate (in volume and flow) fixed water source, fire loops, hydrant placements, and emergency access at the site. These methods are standard requirements for a BESS facility under the California Fire Code, NFPA 855, and typically by local fire departments to help with cooling surrounding enclosures to ensure that a fire does not spread. Additionally, the Energy Commission, in consultation with fire departments, has required two access points for BESS projects with Knox Box access.

DR WS-10. Please describe the specific emergency response and fire protection measures available to emergency responders at the project site. Additionally, describe a fire water loop, hydrant locations, source of water, flow of at least 2500 gpm, the duration of the flow, and if an on-site water tank would be needed and provide a scaled drawing with these fire protection components. Also describe the

location of the second access gate through the BESS fence line and please describe how emergency responders would access this emergency entrance.

Application Section 4.9.3.2 outlines an Injury and Illness Prevention Plan (IIPP) but does not distinguish between the construction and operation phases. Also, Section 4.9.3.2 outlines a Fire Protection and Prevention Plan but does not distinguish between the construction and operation phases. Clearly identifying these distinctions is essential to ensure compliance with regulations tailored to the specific requirements of each phase and associated activities. The same problem exists for the Personal Protective Equipment (PPE) Program, the Emergency Action Plan (EAP), and an Emergency Response Plan (ERP) appears to be missing. Also, staff could not find sufficient detail for Project Design Measures PD **HYD-04** and PD **HYD-05**.

DR WS-11. Please provide separate IIPP and PPE Program details for both the construction and operation phases of the project, including phase-specific topics.

DR WS-12. Please provide separate Fire Protection and Prevention Plan details for the construction and operation phases, including phase-specific topics.

DR WS-13. Please provide separate EAP and ERP details for the construction and operation phases, including phase specific topics.

DR WS-14. Please provide the language for Project Design Measures PD **HYD-04** and PD **HYD-05** (or where they can be found in the documents submitted) or clarify if these are met to be PD **HAZ-04** and PD **HAZ-05**.

Table 4.9-8 does not provide a comprehensive list of Laws, Ordinances, Regulations, and Standards (LORS). For example, it is unclear whether the project has been evaluated using the most recent version of the 2022 California Fire Code (CFC) which is based upon the 2021 International Fire Code (IFC) and includes amendments made in July 2024 which contains new requirements for BESS (Section 1207). A complete LORS listing is necessary for staff to verify that all relevant requirements have been addressed.

DR WS-15. Please provide a more comprehensive list of LORS, including a discussion of their applicability and conformance. Include specific section references where compliance with each law or standard is addressed during both the construction and operation phases of the facility and in particular provide the details enumerated in CFC section 1207 and NFPA 855.

The application includes Table 4.9-8 listing Worker Health and Safety LORS. Staff is not suggesting that all occupational safety and health regulations be discussed in detail, however, critical regulations must be explicitly listed within the outlines of the Construction Safety Plans and Operations Safety Plans.

DR WS-16. Please include the following standards in the Construction Safety and Health Plan and Operations Safety and Health Plan and add these additional regulations to Table 4.9-8:

- Title 8 Cal Code Regs section 5141 Valley Fever
- Title 8 Cal Code Regs section 3395 and 3396 Heat Illness Prevention
- Title 8 Cal Code Regs section 5144.1 Protection from Wildfire Smoke.

Based on the results of the Phase I investigation (Appendix 4.9-A), the applicant stated that a supplemental investigation of the subject property for residual agricultural chemicals, including organochlorinated compounds and metals, does not appear warranted at this time. However, project design mitigation measure PD HAZ-03 has been proposed to further investigate residual agrichemical constituents. Given the parcel's agricultural use dating back to the 1930s, it is possible that now-banned or restricted substances may be present in the soil. HAZ-03 indicates that a limited soil investigation will be conducted to confirm the presence or absence of residual agricultural chemicals. Also, although not a project impact, staff must examine downstream improvements to the current PG&E Vaca-Dixon Substation made to accept power from the Corby Project.

DR WS-17. Please provide additional details regarding applicant's proposed project design mitigation measure HAZ-03, including a Sampling and Analysis Plan (SAP) for the site and the Gen-Tie line route which includes the proposed locations of soil sampling and justification for those locations, sampling depths, analytical methods, and analytes to be assessed during the investigation. Please also provide a discussion of the worker safety and health measures that would be followed at the PG&E Vaca-Dixon Substation.