

**DOCKETED**

<b>Docket Number:</b>	24-OPT-02
<b>Project Title:</b>	Compass Energy Storage Project
<b>TN #:</b>	256338
<b>Document Title:</b>	Determination of Incomplete Application and Request for Information for the Compass Energy Storage Project
<b>Description:</b>	N/A
<b>Filer:</b>	Marichka Haws
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	5/13/2024 3:28:43 PM
<b>Docketed Date:</b>	5/13/2024



**CALIFORNIA  
ENERGY COMMISSION**



**CALIFORNIA  
NATURAL  
RESOURCES  
AGENCY**

May 13, 2024

Renée L. Robin, J.D.  
Director, Permitting & Planning  
Engie North America LLC  
1360 Post Oak Blvd Ste 400  
Houston, Texas 77056

**Determination of Incomplete Application and Request for Information for the  
Compass Energy Storage Project (24-OPT-02)**

Dear Renée L. Robin, J.D.,

California Energy Commission (CEC) staff confirmed receipt on April 11, 2024, of an Opt-In Application for Compass Energy Storage Project (project) (24-OPT-02). Compass Energy Storage LLC (applicant) proposes to construct, own, and operate an approximately 250-megawatt (MW) battery energy storage system (BESS) in the City of San Juan Capistrano. The approximately 13-acre project site is located within the northern portion of the City of San Juan Capistrano, adjacent to Camino Capistrano and Interstate-5 to the east. The BESS would be capable of storing up to 250 MW of electricity for four hours (up to 1,000 MW hours).

The proposed project would be composed of lithium-iron phosphate batteries, or similar technology batteries, inverters, medium-voltage transformers, a switchyard, a collector substation, and other associated equipment. The project would interconnect into the existing San Diego Gas & Electric (SDG&E) Trabuco to Capistrano 138-kilovolt transmission line located approximately 500 feet from the project site and approximately 90 feet from the project property. The project would connect to the SDG&E electric transmission system via a proposed "loop-in" transmission line that would be constructed to transfer power to and from the proposed project. The loop-in transmission line would be supported by the replacement of two existing transmission poles and construction of one new transmission pole.

Electric energy would be transferred from the existing power grid to the project batteries for storage and from the project batteries to the power grid during times of the day when additional electricity is needed. No off-site transmission upgrades are

required for the full capacity of this project, and an interconnection agreement with SDG&E and the California Independent System Operator has been executed. Following construction of the switchyard by Compass Energy Storage LLC, ownership and operations would transfer to SDG&E.

The CEC staff has finished its initial review of the project application pursuant to California Code of Regulations, title 20, section 1877, which specifies the required contents of an application and Public Resources Code, section 25545.4(a), 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, staff has determined the submitted application is incomplete.

Under Public Resources Code, section 25545.4(b), the CEC staff requests the information described in the attachments to this memorandum. 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 analysis 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.

All requested information is reasonably necessary to prepare an Environmental Impact Report as part of a CEC Staff Assessment 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.).

Staff asks the applicant to file the requested data in as few submittals as possible and provide an estimate of when the remaining data can be submitted. Since the data requested may take some time to fully assemble, staff would prefer responses to be held until a complete response to each data request can be submitted. In other words, please do not submit partial responses to any data request (e.g., DR AQ-1 part 1).

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, *accompanied by a statement from the applicant that its response to this request for information is now complete and addresses all identified deficiencies*, 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 Renee Longman, project manager, at [renee.longman@energy.ca.gov](mailto:renee.longman@energy.ca.gov) or Lisa Worrall, co-project manager, at [lisa.worrall@energy.ca.gov](mailto:lisa.worrall@energy.ca.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Drew Bohan', with a long horizontal stroke extending to the right.

Drew Bohan  
Executive Director

Attachments

Attachment A: Data Completeness Worksheets for Title 20, section 1877

Attachment B: Data Requests

# **Attachment A**

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Data Completeness Worksheets  
for Title 20, section 1877

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete

Revision No. 0 Date: May 13, 2024

Technical Area: **Mandatory Opt-In Requirements**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Technical Staff: Various  
 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
<b>AUTHORITY AND VERIFICATION</b>				
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.	Application Submittal Cover Letter and Crosswalk Matrix	Yes	
<b>"FACILITY" OR "DISCRETIONARY PROJECT" DEFINITION MET</b>				
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":	--	--	--
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.	Section 1, Subsection 1.1, p. 1-1; Subsection 2.1 to Subsection 2.2.5, pp. 2-1 to 2-4; Appendix 4-10A, Table A-3	Yes	
<b>REQUIREMENTS FOR COVERED PROJECT UNDER THE LABOR CODE</b>				
Cal. Code Regs., tit. 20, § 1877(c)	Certifications required by Public Resources Code sections 25545.3.3 and 25545.3.5.	Appendix 1D	Yes	

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 Technical Senior:   Eric Knight  

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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.	N/A	N/A	N/A
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.	Appendix 1C	Yes	

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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.	Appendix 1C 1 (b)	Yes	
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.	Appendix 1C 1(c)	Yes	
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.	Appendix 1C 1(d)	Yes	
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.	Appendix 1C 1(e)	Yes	

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Project Manager:   Renee Longman/Lisa Worrall  

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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.	Appendix 1C 1(f)(i)	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 arelevant local agency.	Appendix 1C 1(f)(ii)	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.	Appendix 1C 1(f)(iii)	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).	Appendix 1C 1(f)(iv)	Yes	

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 Project Manager:   Renee Longman/Lisa Worrall   Docket:   24-OPT-02   Technical Senior:   Eric Knight  

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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.	Appendix 1C 2(a)	Yes	
Pub. Resources Code, § 25545.3.5(b)	Every contractor and subcontractor must use a skilled and trained workforce to construct the project.	Appendix 1C 2(b)	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.	Appendix 1C 2(c)	Yes	
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.	Appendix 1C 2(d)	Yes	

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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.	Appendix 1C 2(e)(i)	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.	Appendix 1C 2(e)(ii)	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.	Appendix 1C 2(e)(iii)	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).	Appendix 1C 2(e)(iv)	Yes	
<b>PERMIT APPLICATIONS SUBMITTED (LOCAL, STATE, AND FEDERAL)</b>				

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 Project Manager:   Renee Longman/Lisa Worrall   Docket:   24-OPT-02   Technical Senior:   Eric Knight  

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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 4.1.2, p. 4.1-1, Subsection 4.1.4.2, p. 4.1-9, Subsection 4.1.7.5, p. 4.1-23; Subsection 4.2.2.2.5, pp. 4.2-25 to 4.2-26, Subsection 4.2.5.2.4, p. 4.2-34, Subsection 4.2.6, p. 4.2-37; Subsection 4.3.8, p. 4.3-29; Subsection 4.4.7; p. 4.4-10; Subsection 4.5.7, p. 4.5-19; Subsection 4.6.6, Subsection 4.6.7, pp. 4.6-15 to 4.6-16; Subsection 4.11.6, Subsection 4.11.7, pp. 4.11-10 to 4.11-11; Subsection 4.12.1.2.3, p. 4.12-5, Subsection 4.12.6, Subsection 4.12.7, pp. 4.12-18 to 4.12-19; Subsection 4.14.7, p. 4.14-15; Subsection 4.15.2.1, pp. 4.15-6 to 4.15-8, Subsection 4.15.5, pp. 4.15-10 to 4.15-12, Table 4.15-2; Subsection 4.16.1.3.3, pp. 4.16-14 to 4.16-15, Table 4.16-3	No	See DR AQ-7, DR BIO-6, DR BIO-9, DR CUL/TRI-17, DR CUL/TRI-19, DR LAND-6, DR LAND-7, DR PH-3, DR TSD-8, DR VIS-22

**IDENTIFICATION OF WHETHER SITE IS LOCATED AT A PROHIBITED AREA**

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Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Eric Knight  

<b>OPT-IN STATUTES/ REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 1.2, p. 1-2; Subsection 2.1, p. 2-1; Subsection 4.6.1, pp. 4.6-1 to 4.6-3	Yes	
<b>NET POSITIVE ECONOMIC BENEFIT TO THE LOCAL GOVERNMENT</b>				
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.	Mandatory Opt-In Regulations Crosswalk Matrix; Section 4-10; Appendix 4-10A	No	See DR MAND-1

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Technical Staff:   Various    
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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.	Mandatory Opt-In Regulations Crosswalk Matrix; Section 4-10; Appendix 4-10A	No	See DR MAND-1
<b>LEGALLY BINDING ENFORCEABLE AGREEMENT(S) FOR COMMUNITY BENEFITS OF THE PROJECT</b>				
Cal. Code Regs., tit. 2, § 1877(g)	Discussion of applicant's plan or strategy, including a timeline for execution, to obtain legally binding and enforceable agreement(s) with, or that benefit, a coalition of one or more community-based organizations prior to project certification, consistent with Public Resources Code section 25545.10.	Appendix 1C	Yes	
<b>ENVIRONMENTAL LEADERSHIP DEVELOPMENT PROJECT REQUIREMENTS</b>				
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.	Mandatory Opt-In Regulations and Crosswalk Matrix	Yes	
Pub. Resources Code § 21183(a)	The project will result in a minimum investment of \$100,000,000 in California upon completion.	Appendix 4-10, Table A-3	Yes	

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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.	Appendix 1D	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.	Mandatory Opt-In Regulations Crosswalk Matrix; Subsection 4.1.2, Table 4.1-1, p. 4.1-2	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 4.14.1.2, pp. 4.14-1 to 4.14-5	Yes	

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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.	Mandatory Opt-In Regulations Crosswalk Matrix	Yes	
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...	Mandatory Opt-In Regulations Crosswalk Matrix	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...	Mandatory Opt-In Regulations Crosswalk Matrix	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.	Mandatory Opt-In Regulations Crosswalk Matrix	Yes	

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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 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.	Subsection 4.1.2, Table 4.1-1	No	See DR MAND-2

<p>Pub. Resources Code § 21183.6(a)(2)</p>	<p>Demonstrate that the mitigation of the impacts resulting from the emissions of greenhouse gases are achieved in the following priority:</p> <ol style="list-style-type: none"> <li>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.</li> <li>2. The remaining unmitigated impacts shall be mitigated by direct emissions reductions that also reduce emissions of criteria air pollutants or toxic air contaminants within the same air pollution control district or air quality management district in which the project is located.</li> <li>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.</li> <li>4. The remaining unmitigated impacts shall be mitigated through the use of offsets</li> </ol>	<p>Mandatory Opt-In Regulations Crosswalk Matrix</p>	<p>Yes</p>	
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Docket: 24-OPT-02

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
	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:   May 13, 2024    
 Technical Area:   Air Quality        Project:   Compass Energy Storage Project        Technical Staff:   Yifan Ding/Winston Potts    
 Project Manager:   Renee Longman/Lisa Worrall        Docket:   24-OPT-02        Technical Senior:   Joseph Hughes  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.1, Subsection 4.1.3, pp. 4.1-2 to 4.1-8, Subsection 4.1.5, pp. 4.1-9 to 4.1-12	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 4.1, Subsection 4.1.5, pp. 4.1-12 to 4.1-19	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 4.1, Subsection 4.1.8, pp. 4.1-23 to 4.1-25	No	See DR AQ-1
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 4.1, pp. 4.1-1 to 4.1-9	No	See DR AQ-2, DR AQ-3, DR AQ-5, DR GHG-1 to DR GHG-3
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.	Section 4.1, Subsection 4.1.2, pp. 4.1-1 to 4.1-2	No	See DR AQ-6

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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.	Section 4.1, Subsection 4.1.3, pp. 4.1-2 to 4.1-3	No	See DR AQ-2
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 4.1, Subsection 4.1.4, Table 4.1-8, p. 4.1-9	No	See DR AQ-2, DR AQ-5
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 (CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, and SF <sub>6</sub> ) from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all on-site secondary emission sources.	Section 4.1, Subsection 4.1.3, pp. 4.1-7 to 4.1-8, Table 4.1.3; Appendix 4.1A, Subsection 2	No	See DR AQ-2, DR GHG-2, DR GHG-4, DR GHG-5
Appendix B (g) (8) (F)(i)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	N/A	N/A	N/A

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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.	Section 4.1, Subsection 4.1.5, Table 4.1-11	Yes	
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.	Section 4.1, Subsection 4.1.5, Table 4.1-9, pp. 4.1-11 to 4.1-12; Appendix 4.1B, pp. 640 to 641	Yes	

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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.	Section 4.1, Subsection 4.1.5.1, p.4.1-10; Appendix 4-1B, pp. 640-641	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 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 <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> ) and particulate matter less than 2.5 microns in diameter (PM <sub>2.5</sub> ) from construction-related equipment;	Section 4.1, Subsection 4.1.6, pp. 4.1-19 to 4.1-21, Table 4.1-12, Table 4.1-13; Appendix 4-1B	Yes	

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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 <sub>x</sub> , SO <sub>2</sub> , CO, PM <sub>10</sub> , and PM <sub>2.5</sub> ) 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;	Section 4.1, Subsection 4.1.6, p. 4.1-21	No	See DR AQ-3
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	Section 4.1, Subsection 4.1.2, p. 4.1-2	No	See DR AQ-4
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 <sub>x</sub> , SO <sub>2</sub> , CO, PM <sub>10</sub> , and PM <sub>2.5</sub> .	Section 4.1, Subsection 4.1.6, p. 4.1-21	Yes	
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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 Project Manager:   Renee Longman/Lisa Worrall        Docket:   24-OPT-02        Technical Senior:   Joseph Hughes  

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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;	Section 4.1, Subsection 4.1.2, p. 4.1-1; Section 4.9, p. 4.9-1	Yes	
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.	Section 4.1, Subsection 4.1.7, p. 4.1-23; Appendix 4-1A, Subsection 1.3, p. 11	No	See DR GHG-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 4.1, Subsection 4.1.7, pp. 4.1-21 to 4.1-23	Yes	

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 Project Manager:   Renee Longman/Lisa Worrall        Docket:   24-OPT-02        Technical Senior:   Joseph Hughes  

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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 4.1, Subsection 4.1.7, pp. 4.1-23	No	See DR AQ-7
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 4.1, Subsection 4.1.7, pp. 4.1-23	No	See DR AQ-8
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 4.1, Subsection 4.1.7, pp. 4.1-23	No	See DR AQ-6

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Completeness: Complete \_\_\_\_\_ Incomplete **x** \_\_\_\_\_

Revision No. 0 Date: May 13, 2024

Technical Area: **Alternatives** Project:

Compass Energy Storage Project

Technical Staff: John Carrier

Project Manager: Renee Longman/Lisa Worrall Docket:

24-OPT-02

Technical Senior: Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 5, pp. 5-1 to 5-38	No	See DR ALT-1
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in (f)(1).	Section 5, pp. 5-1 to 5-38	Yes	

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Revision No.   0   Date:   May 13, 2024  

L. Dunn/K. Pulsipher/C.  
Huntley/CDFW: B. Barrera,

Technical Area:   Biological Resources  

Project:   Compass Energy Storage Project  

Technical Staff:   F. Silva  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Eric Knight  

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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 4.2.1.2, pp. 4.2-2 to 4.2-5, Subsection 4.2.1.3, pp. 4.2-5 to 4.2-8, Subsection 4.2.1.4, p. 4.2-8, Subsection 4.2.1.5, pp. 4.2-8 to 4.2-11, Subsection 4.2.1.6, pp 4.2-11 to 4.2-14, Subsection 4.2.1.7, pp. 4.2-14 to 4.2-19	No	See DR BIO-1, DR BIO-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 4.2.1.5, pp. 4.2-8 to 4.2-11, Subsection 4.2.1.6, pp. 4.2-11 to 4.2-14	No	See DR BIO-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 4.2.8, pp. 4.2-37 to 4.2-40	No	See DR BIO-3
[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	Section 4.2	No	See DR BIO-6, DR BIO-9

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Huntley/CDFW: B. Barrera,

Technical Area:   **Biological Resources**  

Project:   Compass Energy Storage Project  

Technical Staff:   F. Silva  

Project Manager:   Renee Longman/Lisa Worrall  

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	information required in California Fish and Game Code section 1602(a)(1)(A)-(F).			
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 2, p. 2-1; Subsection 4.2.1, p. 4.2-1, Subsection 4.2.2, p. 4.2-19, Subsection 4.2.2.2, p. 4.2-20, Subsection 4.2.2.3, p. 4.2-26, Subsection 4.2.3, p. 4.2-28, Subsection 4.2.4, p. 4.2-28	No	See DR BIO-10a to DR BIO-10d
Appendix B (g) (13) (A)	A regional overview and discussion of terrestrial and aquatic biological 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 (CNDDDB), and a citation which includes the date the CNDDDB was accessed. Include a map at a scale of 1:6,000 (under confidential cover) and at 1:350,000 (for public) showing sensitive biological resource	Subsection 4.2.1, p. 4.2-1, Subsection 4.2.5.3.23, p. 4.2-36, Table 4.2-4, p. 4.2-25, Figure 4.2-4, p. 4.2-47, Figure 4.2-6, p. 4.2-51	No	See DR BIO-10b

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Project:   Compass Energy Storage Project  

Technical Staff:   L. Dunn/K. Pulsipher/C. Huntley/CDFW: B. Barrera, F. Silva  

Project Manager:   Renee Longman/Lisa Worrall  

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	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;	Appendix 4.2A, pp. C1-1, C2-1	No	See DR BIO-2, DR BIO-4
Appendix B (g) (13) (A) (ii)	species receiving consideration during environmental review under CEQA Guidelines 14 CCR Section 15380;	Section 4.2.1.7.2, pp. 4.2-15 to 4.2-16; Appendix 4.2A	Yes	
Appendix B (g) (13) (A) (iii)	species identified as state Fully Protected;	Section 4.2.1.7.2, pp. 4.2-15 to 4.2-16; Appendix 4.2A	Yes	
Appendix B (g) (13) (A) (iv)	species covered by Migratory Bird Treaty Act;	Section 4.2.1.7.3, p. 4.2-16	Yes	
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 CNDDDB, California Fish and Game Code, Title 14 of the California Code of Regulations, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission or other responsible agency;	Section 4.2.1.7.2, p. 4.2-15, Section 4.2.1.5, p. 4.2-8; Appendix 4.2A, pp. C1-1, C2-1; Appendix 4.2D	No	See DR BIO-2, DR BIO-4
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;	Section 4.2.1.7.2, pp. 4.2-15 to 4.2-16; Appendix 4.2A	Yes	

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Technical Area:   **Biological Resources**  

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Project Manager:   Renee Longman/Lisa Worrall  

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Appendix B (g) (13) (A) (vii)	plant species listed as rare under the California Native Plant Protection Act;	Section 4.2.1.7.1, pp. 4.2-14 to 4.2-15, Section 4.2.1.7.9, p. 4.2-19; Appendix 4.2A	Yes	
Appendix B (g) (13) (A) (viii)	established native resident or migratory wildlife corridors or wildlife nursery sites.	Section 4.2, Subsection 4.2.2.2.4, p. 4.2-24	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:	Subsection 4.2.1.5, pp. 4.2-8 to 4.2-11, Subsection 4.2.1.7, pp. 4.2-14 to 4.2-19; Appendix 4.2A; Appendix 4.2B	No	See DR BIO-2
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, but not limited to, those found during project-related field surveys and in records from the CNDDDB, and the associated areas where biological surveys were conducted. Label the biological resources and survey areas as well as the project facilities.	Section 4.2, Figure 4.2-1, p. 4.2-39, Figure 4.2-2, p. 4.2-43, Figure 4.2-3, p. 4.2-44, Figure 4.2-4, p. 4.2-43, Figure 4.2-5, p. 4.2-49, Figure 4.2-6, p. 4.2-49	Yes	
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	Section 4.2	No	See DR BIO-8

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	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.			
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. 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.	Section 4.2, Figure 4.2-1, p. 4.2-39	No	See DR BIO-5
Appendix B (g) (13) (B) (iv)	Provide Geographic Information System (GIS) data (shape and/or geodatabase files) for all data mapped for biological resources.	Electronic file	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete      Incomplete   **x**  

Revision No.   0   Date:   May 13, 2024  

L. Dunn/K. Pulsipher/C.  
Huntley/CDFW: B. Barrera,

Technical Area:   **Biological Resources**  

Project:   Compass Energy Storage Project  

Technical Staff:   F. Silva  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Eric Knight  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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:	Section 4.2, p. 4.2-1	No	See DR BIO-4
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.)	Subsection 4.2.1.5, pp. 4.2-8 to 4.2-11; Appendix 4.2A; Appendix 4.2B	No	See DR BIO-2
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.	Section 4.2	No	See DR BIO-8
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.	Subsection 4.2.1.5, pp. 4.2-8 to 4.2-11, Subsection 4.2.1.6, pp. 4.2-11 to 4.2-14, Subsection 4.2.1.7, pp. 4.2-14	No	See DR BIO-2

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Revision No.   0   Date:   May 13, 2024  

L. Dunn/K. Pulsipher/C. Huntley/CDFW: B. Barrera,

Technical Area:   **Biological Resources**  

Project:   Compass Energy Storage Project  

Technical Staff:   F. Silva  

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<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	Include copies of the CNDDDB 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:	to 4.2-19; Appendix 4.2A; Appendix 4.2B; Appendix 4.2C; Appendix 4.2D		
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 guidance prior to surveys if a protocol exists.	Subsection 4.2.1.5, pp. 4.2-8 to 4.2-11	Yes	
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.	Section 4.2.1.5, pp. 4.2-8 to 4.2-10, Subsection 4.2.2.2.5, p. 4.2-25, Table 4.2-4, Figure 4.2-1	No	See DR BIO-2, DR BIO-6
Appendix B (g) (13) (E)	Impacts discussion of all impacts (direct, indirect, and cumulative) to biological resources from project site preparation,	Section 4.2.1, p. 4.2-1, Section 4.2.2, p. 4.2-19,	No	See DR BIO-10a, DR BIO-10b

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete      Incomplete   **x**  

Revision No.   0   Date:   May 13, 2024  

L. Dunn/K. Pulsipher/C.  
Huntley/CDFW: B. Barrera,

Technical Area:   **Biological Resources**  

Project:   Compass Energy Storage Project  

Technical Staff:   F. Silva  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Eric Knight  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	construction activities, plant operation, maintenance, closure, and decommissioning. Discussion shall also address sensitive species habitat impacts from air emissions (i.e., nitrogen deposition);	Section 4.2.2.2, p. 4.2-20, Section 4.2.2.3, p. 4.2-26, Section 4.2.3, p. 4.2-28		
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:	Section 4.2.4.2, p. 4.2-30, Section 4.2.4.3, p. 4.2-30	No	See DR BIO-10a, DR BIO-10c, DR BIO-10d
Appendix B (g) (13) (F) (i)	All measures proposed to avoid and/or reduce adverse impacts to biological resources.	Section 4.2.4.2, p. 4.2-30, Section 4.2.4.3, p. 4.2-30	No	See DR BIO-10a, DR BIO-10c, DR BIO-10d
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.	N/A	N/A	N/A
Appendix B (g) (13) (F) (iii)	Educational programs to enhance employee awareness during construction and operation to protect biological resources.	Section 4.2.4.2, p. 4.2-30	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.	Section 4.2.4.2, p. 4.2-30, Section 4.2.4.3, p. 4.2-30		
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	Section 4.2, Subsection 4.2.6, p. 4.2-37	No	See DR BIO-6, DR BIO-9

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Revision No.   0   Date:   May 13, 2024  

L. Dunn/K. Pulsipher/C. Huntley/CDFW: B. Barrera,

Technical Area:   **Biological Resources**  

Project:   Compass Energy Storage Project  

Technical Staff:   F. Silva  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Eric Knight  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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 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 4.2, Subsection 4.2.1.7, pp. 4.2-14 to 4.2-18, Subsection 4.2.5, pp. 4.2-31 to 4.2-37	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 authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 4.2, Subsection 4.2.7, pp. 4.2-37	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,	Section 4.2.7, p. 4.2-37	Yes	

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Revision No. 0 Date: May 13, 2024

L. Dunn/K. Pulsipher/C. Huntley/CDFW: B. Barrera,

Technical Area: Biological Resources

Project: Compass Energy Storage Project

Technical Staff: F. Silva

Project Manager: Renee Longman/Lisa Worrall

Docket: 24-OPT-02

Technical Senior: Eric Knight

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

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x  

Revision No.   0   Date:   May 13, 2024  

Technical Area:   Cultural Resources and Tribal Cultural Resources  

Project:   Compass Energy Storage Project  

Technical Staff:   L. DeOliveira/R. Hatheway  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Gabriel Roark  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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, pp. 4.3-7 to 4.3-16	No	See DR CUL/TRI-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 4.3, pp. 4.3-7 to 4.3-32	No	See DR CUL/TRI-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.	Subsection 4.3.9, pp. 4.3-29 to 4.3-32	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 other adopted local, regional, or statewide plan.	Subsection 4.3, pp. 4.1-1 to 4.3-19	No	See DR CUL/TRI-3

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Project:   Compass Energy Storage Project  

Technical Staff:   L. DeOliveira/R. Hatheway  

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<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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.	Subsection 4.3.1.1, pp. 4.3-2 to 4.3-7	No	See DR CUL/TRI-4
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 than one-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	Subsection 4.3.3.1, pp. 4.3-9 to 4.3-13; Confidential Appendix 4.3B Records Search Results Part 1; Confidential Appendix 4.3B Records Search Results Part 2	No	See DR CUL/TRI-5, DR CUL/TRI-6, DR CUL/TRI-7

**DATA COMPLETENESS WORKSHEET**

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Revision No.   0   Date:   May 13, 2024  

Technical Area:   Cultural Resources and Tribal Cultural Resources  

Project:   Compass Energy Storage Project  

Technical Staff:   L. DeOliveira/R. Hatheway  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

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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
	<p>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.</p> <p>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 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.</p>			
Appendix B (g) (2) (C)	The results of new cultural resource and tribal resource surveys or surveys less than 5 years	Subsection 4.3.3.4, pp. 4.3-14 to 4.13-15	No	See DR CUL/TRI-8, DR CUL/TRI-9

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Revision No.  0  Date:  May 13, 2024

Technical Area:  Cultural Resources and Tribal Cultural Resources   
 Project Manager:  Renee Longman/Lisa Worrall

Project:  Compass Energy Storage Project   
 Docket:  24-OPT-02

Technical Staff:  L. DeOliveira/R. Hatheway   
 Technical Senior:  Gabriel Roark

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

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Project:  Compass Energy Storage Project

Technical Staff:  L. DeOliveira/R. Hatheway

Project Manager:  Renee Longman/Lisa Worrall

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<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	<p>be conducted along the routes of all linear facilities to identify, inventory, and characterize structures and districts that appear to be older than 45 years or that are exceptionally significant, whatever their age.</p> <p>A technical report of the results of the new surveys, conforming to the Archaeological Resource Management Report format (CA Office of Historic Preservation Feb 1990), which is incorporated by reference in its entirety, shall be separately provided and submitted (under confidential cover if archaeological resource or other sensitive resource locations are included).</p> <p>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.</p> <p>At a minimum, the technical report shall include:</p>			
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);	Section 4.3	No	See DR CUL/TRI-8, DR CUL/TRI-9

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x  

Revision No.   0   Date:   May 13, 2024  

Technical Area:   Cultural Resources and Tribal Cultural Resources  

Project:   Compass Energy Storage Project  

Technical Staff:   L. DeOliveira/R. Hatheway  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

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<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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;	Section 4.3	No	See DR CUL/TRI-8, DR CUL/TRI-9
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;	Section 4.3	No	See DR CUL/TRI-10
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	Section 4.3	No	See DR CUL/TRI-11
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.	Section 4.3	No	See DR CUL/TRI-12
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 4-3E	Yes	
Appendix B (g) (2) (D) (ii)	A copy of all correspondence sent to Native American individuals and groups listed by the	Appendix 4-3E	No	See DR CUL/TRI-13

**DATA COMPLETENESS WORKSHEET**

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Revision No.   0   Date:   May 13, 2024  

Technical Area:   Cultural Resources and Tribal Cultural Resources  

Project:   Compass Energy Storage Project  

Technical Staff:   L. DeOliveira/R. Hatheway  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Gabriel Roark  

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	NAHC and copies of all responses. Notification to Native Americans shall include a project description and map.			
Appendix B (g) (2) (D) (iii)	A written summary of any oral responses.	Appendix 4-3E	No	See DR CUL/TRI-13
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;	Subsection 4.3.6, pp. 4.3-17 to 4.3-19	No	See DR CUL/TRI-14
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	Subsection 4.3.6, pp. 4.3-17 to 4.3-19	Yes	
Appendix B (g) (2) (E) (iii)	Educational programs to enhance employee awareness during construction and operation to protect cultural and tribal cultural resources.	Subsection 4.3.6, pp. 4.3-17 to 4.3-19	No	See DR CUL/TRI-15
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 4.3.7, pp. 4.3-19 to 4.3-29	No	See DR CUL/TRI-16

**DATA COMPLETENESS WORKSHEET**

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Revision No.  0  Date:  May 13, 2024

Technical Area:  Cultural Resources and Tribal Cultural Resources

Project:  Compass Energy Storage Project

Technical Staff:  L. DeOliveira/R. Hatheway

Project Manager:  Renee Longman/Lisa Worrall

Docket:  24-OPT-02

Technical Senior:  Gabriel Roark

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.3.8, p. 4.3-29	No	See DR CUL/TRI-17
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 4.3.8, p. 4.3-29	No	See DR CUL/TRI-18
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 4.3.8, p. 4.3-19, p. 4.3-29	No	See DR CUL/TRI-19

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete

Revision No. 0 Date: May 13, 2024

Technical Area: **Efficiency, Energy and Energy Resources**

Project: Compass Energy Storage Project

Technical Staff: Kenneth Salyphone

Project Manager: Renee Longman/Lisa Worrall

Docket: 24-OPT-02

Technical Senior: Shahab Khoshmashrab

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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	
Appendix B (h) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation including starts and shutdowns.	Subsection 2.1, p. 2-1, Subsection 2.2, p. 2-2	Yes	
Appendix B (h) (4) (D)	Number of hours the plant will be operated in each design condition in each year.	Subsection 2.2, p. 2-2	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 5, p. 5-1, Subsection 5.5.5 pp. 5-9 to 5-10	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete

Revision No. 0 Date: May 13, 2024

Technical Area: **Efficiency, Energy and Energy Resources**

Project: Compass Energy Storage Project

Technical Staff: Kenneth Salyphone

Project Manager: Renee Longman/Lisa Worrall

Docket: 24-OPT-02

Technical Senior: Shahab Khoshmashrab

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 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  Revision No. 0 Date: May 13, 2024  
 Technical Area: Executive Summary Project: Compass Energy Storage Project Technical Staff: R. Longman/L. Worrall  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 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.	TOC pp. TOC-i to TOC-xii	No	See DR ES-1
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.	Subsection 1.2 p. 1-2, Section 1.3 pp. 1-2 to 1-4, Section 2, pp. 2-1 to 2-13; Appendix 2A, Subsection 4.5.2.3.1 p. 4.5-6 to 4.5-7, Appendix 5B	No	See DR GHG-2, DRs TSD-1 to DR TSD-4, DRs LAND-2 to 7, DR PD-3 to D PD-5, DR TRANS-9
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 1.2 p. 1-2; Appendix 1A	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Section 1.2 p. 1-2, Figure 1-1 p. 1-7, Figure 2-1 p. 2-13	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 site and all project components at the site, after construction.	Section 2	No	See DR ES-2
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,	Appendix 1A, Appendix 1B	No	See DR ES-3

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_ Incomplete **x**

Revision No. 0 Date: May 13, 2024

Technical Area: **Executive Summary**

Project: Compass Energy Storage Project

Technical Staff: R. Longman/L. Worrall

Project Manager: Renee Longman/Lisa Worrall

Docket: 24-OPT-02

Technical Senior: Eric Knight

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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 B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Subsection 2.3.1 pp. 2-6 to 2-7	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 description of their legal interest in these facilities.	Section 1.6 p. 1-4	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Section 1.6 p. 1-4	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).	Section 1.6, p. 1-4; Appendix 3B	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete \_\_\_\_\_  
 Technical Area: **Facility Design**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Ardalan Raisi Sofi  
 Technical Senior: Shahab Khoshmashrab

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 2.1, p. 2-1; Subsection 4.4.2.2, pp. 4.4-5 to 4.4-6; Section 4.11, p. 4.11-1, Subsection 4.11.2.5, p. 4.11-7; Subsection 4.15.1.4, pp. 4.15-3 to 4.15-4, Subsection 4.15.2.2, p. 4.15-8	Yes	
Appendix B (h) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Subsection 4.4.2.2, pp. 4.4-5 to 4.4-6, Subsection 4.4.4, p. 4.4-7, Subsection 4.4.5.2, pp. 4.4-9 to 4.4-10; Subsection 4.15.2.2, p. 4.15-8, Subsection 4.15.4, p. 4.15-10; Appendix 4.4A	Yes	
Appendix B (h) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and	Subsection 3.5.1, p. 3-6; Subsection 4.4.2.2, pp. 4.4-	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete \_\_\_\_\_  
 Technical Area: Facility Design  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Ardalan Raisi Sofi  
 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
	loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	5 to 4.4-6; Section 4.11, p. 4.11-1; Appendix 4.4A		
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 1.3, pp. 1-2 to 1-4, Figure 1-1, p. 1-7; Section 2.2, pp. 2-2 to 2-6, Figure 2-1, p. 2-13; Appendix 2A	Yes	
Appendix B (h) (1) (D) (i)	The power generation system;	Section 2.2, p. 2-2, Subsection 2.2.1, p. 2-3; Subsection 4.16.1.4, pp. 4.16-16 to 4.16-17; Appendix 2A	Yes	
Appendix B (h) (1) (D) (ii)	The heat dissipation system;	Subsection 2.2.1, p. 2-3; Subsection 4.16.1.4, p. 4.16-16	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 2.4.1, pp. 2-11 to 2-12, Subsection 2.4.3, p. 2-12; Section 4.14, p. 4.14-1, Subsection 4.14.2.3, pp. 4.14-6 to 4.14-8, Subsection 4.14.4.2, pp. 4.14-9 to 4.14-10	Yes	
Appendix B (h) (1) (D) (vi)	The noise emission abatement system;	Subsection 4.7.1.3, pp. 4.7-3 to 4.7-4, Subsection 4.7.5, p. 4.7-15	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete \_\_\_\_\_  
 Technical Area: Facility Design  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Ardalan Raisi Sofi  
 Technical Senior: Shahab Khoshmashrab

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 2.2.2, p. 2-3; Subsection 3.2.2, p. 3-1; Subsection 3.3, pp. 3-2 to 3-3	Yes	
Appendix B (h) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Subsection 1.3, pp. 1-2 to 1-4; Subsection 2.2, p. 2-2	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 4.4, Table 4.4-1, pp. 4.4-7 to 4.4-8; Section 4.11, Table 4.11-2, p. 4.11-9; Section 4.14, Table 4.14-4, pp. 4.14-11 to 4.14-12	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 which would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 4.1, Table 4.4-1, pp. 4.4-7 to 4.4-8; Section 4.11, Table 4.11-2, p. 4.11-9; Section 4.14, Table 4.14-4, pp. 4.14-11 to 4.14-12	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,	Section 4.11, Table 4.11-3, p. 4.11-10	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete   
 Technical Area: Facility Design Project: Compass Energy Storage Project Revision No. 0 Date: May 13, 2024  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Staff: Ardalan Raisi Sofi  
 Technical Senior: Shahab Khoshmashrab

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

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete   
 Technical Area: **Geological Hazards**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Michael Turner  
 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 4.4.1.1.1, p.4.4-1, Subsection 4.4.1.4, pp. 4.4-2 to 4.4-4, Subsection 4.4.1.5, pp. 4.4-4 to 4.4-5, Subsection 4.4.2, pp. 4.4-5 to 4.4-6; Appendix 4-4A, pp. 1 to 2, 11 to 15	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	Appendix 4-4A, pp. 1 to 2	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 4.4.8, p. 4.4-10; Appendix 4-4A, pp. 1 to 2 and A-1 to A-3	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 other adopted local, regional, or statewide plan.	Subsection 4.4.2.1, p. 4.4-5, Subsection 4.4.2.2, pp. 4.4-5 to 4.4-6, Subsection 4.4.3, pp. 4.4-6 to 4.4-7, Subsection 4.4.4, p. 4.4-7	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete   x   Incomplete \_\_\_\_\_  
 Technical Area:   Geological Hazards    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Michael Turner    
 Technical Senior:   Abdel-Karim Abulaban  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities, including linear facilities.	Subsection 4.4.1, pp. 4.4-1 to 4.4-4; Appendix 4-4A, pp. 5 to 13	Yes	
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.	Subsection 4.4.1, pp. 4.4-1 to 4.4-4, Figure 4.4-2 to 4.4-5; Appendix 4-4A, pp. 5 to 13, Sheets 1 to 4	Yes	
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.	Subsection 4.4.1.5, pp. 4.4-4 to 4.4-5	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	Subsection 4.4.5, pp. 4.4-7 to 4.4-8	Yes	
Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases,	Subsection 4.4.6, p. 4.4-10	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete   x   Incomplete \_\_\_\_\_  
 Technical Area:   Geological Hazards    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Michael Turner    
 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
	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.			
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 4.4, Table 4.4-2	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 4.4.7, p. 4.4-10	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area:   Hazardous Materials Handling    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Aurie Patterson    
 Technical Senior:   Brett Fooks  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.5, p 4.5-1, Subsection 4.5.2.8, p 4.5-9, Subsection 4.5.3, pp 4.5-9 to 4.5-10, Subsection 4.5.4, pp 4.5-10 to 4.5-12	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, p. 4.5-1	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;	Subsection 4.5.8, pp 4.5-19 to 4.5-20	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 other adopted local, regional, or statewide plan.	Section 4, pp. 4-1 to 4-7; Subsection 4.5.1, pp. 4.5-1 to 4.5-5, Subsections 4.5.2.2 to 4.5.2.7, pp. 4.5-5 to 4.5-9, Subsection 4.5.4, pp. 4.5-10 to 4.5-12, Subsection 4.5.3, pp. 4.5-9 to 4.5-10; Subsection 4.5.5.3, pp. 4.5-17 to 4.5-18	No	See DR HAZ-1, DR HAZ-2

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete **x**  
 Technical Area: **Hazardous Materials Handling**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Aurie Patterson  
 Technical Senior: Brett Fooks

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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.	Section 4.5, Table 4.5-1, pp. 4.5-3 to 4.5-5	No	See DR HAZ-3, DR HAZ-4
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.	Section 4.5, Figure 4.5-1	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 4.5, Table 4.5-1, pp. 4.5-3 to 4.5-5	Yes	
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.	N/A	N/A	N/A
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 4.5.2.4, p. 4.5-8	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Subsection 4.5.2.4, Subsection 4.5-7	No	See DR HAZ-5
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 4.17; Appendix 4.17A	No	See DR HAZ-6

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete **x**  
 Technical Area: **Hazardous Materials Handling**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Aurie Patterson  
 Technical Senior: Brett Fooks

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.5.5, Table 4.5-2, pp. 4.5-12 to 4.5-14, Subsections 4.5.5.1 to 4.5.5.4, pp. 4.5-14 to 4.5-18	No	See DR HAZ-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, 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 4.5.6, Table 4.5-3, p. 4.5-19	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 4.5.6, p. 4.5-18	No	See DR HAZ-8
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 4.5.7, p. 4.5-19	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete  Revision No. 0 Date: May 13, 2024  
 Technical Area: **Land Use** Project: Compass Energy Storage Project Technical Staff: Fritts Golden  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.6.2, pp. 4.6-3 to 4.6-4	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 4.6.1, pp. 4.6-1 to 4.6-3; Figures 4.6-1 to 4.6-3	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 4.6.8, p 4.6-16	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 other adopted local, regional, or statewide plan.	Section 4, pp. 4-1 to 4-9; Table 4-1, pp. 4-2 to 4-7; Figure 4-1, p. 4-9; Subsection 4.6.1, pp. 4.6-1 to 4.6-3; Subsection 4.6.3, pp. 4.6-13 to 4.6-13, Subsection 4.6.4, p. 4.6-13, Figures 4.6-1 to 4.6-3	No	See DR LAND-1

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete      Incomplete   **x**        Revision No.   0   Date:   May 13, 2024    
 Technical Area: **Land Use**      Project:   Compass Energy Storage Project        Technical Staff:   Fritts Golden    
 Project Manager:   Renee Longman/Lisa Worrall        Docket:   24-OPT-02        Technical Senior:   Steven Kerr  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.6.1, pp. 4.6-1 to 4.6-3; Subsection 4.6.5 p. 4.6-13; Table 4.6-2, pp. 4.6-13; Figure 4.6-1, p. 4.6-17; Figure 4.6-2, p. 4.6-19; Figure 4.6-3, p. 4.6-21	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 4.6.1, pp. 4.6-1 to 4.6-3; Figure 4.6-1, p. 4.6-17; Figure 4.6-2, p. 4.6-19; Figure 4.6-3, p. 4.6-21	Yes	
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 4.6.1, pp.4.6-2 to 4.6-3	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 4.6.1.4, p. 4.6-3	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 4.6.1, pp. 4.6-1 to 4.6-3; Figure 4.6-1, p. 4.6-17; Figure 4.6-2, p. 4.6-19; Figure 4.6-3, p. 4.6-21; Appendix 2A	No	See DR LAND-2 to DR LAND-5

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_ Incomplete  x  Revision No.  0  Date:  May 13, 2024   
 Technical Area:  Land Use  Project:  Compass Energy Storage Project  Technical Staff:  Fritts Golden   
 Project Manager:  Renee Longman/Lisa Worrall  Docket:  24-OPT-02  Technical Senior:  Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 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.	Subsection 4.6.2.2.2, pp. 4.6-4 to 4.6-8; Table 4.6-1, pp. 4.6-8 to 4.6-11	No	See DR LAND-4, DR LAND-6
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	Subsection 4.6, p. 4.6-1, Subsection 4.6.1.1, pp. 4.6-1 to 4.6-2	Yes	

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 Project Manager:  Renee Longman/Lisa Worrall  Docket:  24-OPT-02  Technical Senior:  Steven Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	Application but must be 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 4.6.2.2.3, pp. 4.6-11 to 4.6-12; Figure 4.6-3	No	See DR LAND--5
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 4.6.2.2.3, pp. 4.6-11 to 4.6-12; Figure 4.6-3	Yes	
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	N/A	N/A	N/A
Appendix B (g) (3) (D) (iii)	Direct, indirect, and cumulative effects on agricultural land uses. If the proposed site or related facilities are subject to an Agricultural Land Conservation contract, provide a written copy and a discussion of the status of the expiration or canceling of such contract.	Subsection 4.6.2.2.3, pp. 4.6-11 to 4.6-12, Figure 4.6-3	No	See DR LAND-3, DR LAND-5
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	Subsection 4.6.2.2.2, pp. 4.6-4 to 4.6-8, Table 4.6-1, pp. 4.6-8 to 4.6-11, Subsection	No	See DR LAND-4, DR LAND-6

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete  Revision No. 0 Date: May 13, 2024  
 Technical Area: **Land Use** Project: Compass Energy Storage Project Technical Staff: Fritts Golden  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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	4.6.5, p. 4.6-13, Table 4.6-2, p. 4.6-13		
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 4.6.2.2.2, pp. 4.6-4 to 4.6-8, Table 4.6-1, pp. 4.6-8 to 4.6-11, Subsection 4.6.5, p. 4.6-13, Table 4.6-2, p. 4.6-13	No	See DR LAND-4, DR LAND-6
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 4.6.6, p. 4.6-15, Table 4.16-3 [sic], p. 4.6-13	No	See DR LAND-6
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 4.6	No	See DR LAND-7

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_ Incomplete **x**  
 Technical Area: **Noise**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Ardalan Raisi Sofi  
 Technical Senior: Shahab Khoshmashrab

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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, pp. 4.7-1 to 4.7-2, Subsection 4.7.3, pp. 4.7-9 to 4.7-14	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	Section 4.7, pp. 4.7-1 to 4.7-2, Subsection 4.7.3, pp. 4.7-9 to 4.7-14	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, p. 4.7-19	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 other adopted local, regional, or statewide plan.	Section 4, pp. 4-1 to 4-7; Section 4.7, pp. 4.7-1 to 4.7-2, Subsection 4.7.4.2, pp. 4.7-14 to 4.7-15	Yes	
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	Section 4.6, Figure 4.6-1, p. 4.6-17; Section 4.7, Figure 4.7-1, p. 4.7-21	Yes	

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Completeness: Complete \_\_\_\_ Incomplete   x    
 Technical Area:   Noise    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Ardalan Raisi Sofi    
 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
	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.			
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for a lesser duration at the applicant's discretion, preferably during the same 25-hour period. The results of the noise level measurements shall be reported as hourly averages in Leq (equivalent sound or noise level), Ldn (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L <sub>10</sub> , L <sub>50</sub> , and L <sub>90</sub> values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported in units of dB(A).	Subsection 4.7.2.2, pp. 4.7-4 to 4.7-9, Figure 4.7-1, p. 4.7-22, Table 4.7-3, pp. 4.7-5 to 4.7-6, Table 4.7-4, pp. 4.7-6 to 4.7-7, 4.7-5, pp. 4.7-8 to 4.7-9	No	See DR NOISE-1

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_ Incomplete   x    
 Technical Area:   Noise    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Ardalan Raisi Sofi    
 Technical Senior:   Shahab Khoshmashrab  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.7.3.3, pp. 4.7-12 to 4.7-14, Subsection 4.14, Table 4.14-4, pp. 4.7-10 to 4.7-12	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 the environment, within the area impacted by the proposed project.	Subsection 4.7.3.2, pp. 4.7-10 to 4.7-12, Subsection 4.7.3.3, pp. 4.7-12 to 4.7-14, Figure 4.7-2, p. 4.7-23	Yes	
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.	Subsection 4.7.3.2, pp. 4.7-10 to 4.7-12, Subsection 4.7.3.3, pp. 4.7-12 to 4.7-14	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.	Subsection 4.7.3.3, pp. 4.7-12 to 4.7-14	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	Subsection 4.7.6, pp. 4.7-15 to 4.7-18	Yes	

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Completeness: Complete \_\_\_\_ Incomplete **x**  
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	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 4.7.8, p. 4.7-19	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 4.7.7, p. 4.7-18	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 4.7.8, p. 4.7-19	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete   
 Technical Area: **Paleontological Resources**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Michael Turner  
 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 4.8.1.2, p. 4.8-2	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 4.8.1.2, p. 4.8-2	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 4.8.8, pp. 4.8-14 to 4.8-15	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 other adopted local, regional, or statewide plan.	Subsection 4.8.3, pp. 4.8-8 to 4.8-9	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project	Subsection 4.8.1., pp. 4.8-14 to 4.8-2	Yes	

**DATA COMPLETENESS WORKSHEET**

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 Technical Area: **Paleontological Resources**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
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<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	area. The size of the paleontological study area may vary depending on the depositional history of the region.			
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontological localities or other paleontological resources within or adjacent to the project. Include a discussion of sensitivity for each geologic unit identified on the most recent geologic map at a scale of 1:24,000. Provide rationale as to why the sensitivity was assigned.	Subsection 4.8.1.4, pp. 4.8-4 to 4.8-6	Yes	
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.	Subsection 4.8.1.3.2, pp. 4.8-3 to 4.8-4	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.	Subsection 4.8.2.2, pp. 4.8-7 to 4.8-8	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete   x   Incomplete \_\_\_\_\_  
 Technical Area:   Paleontological Resources    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
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Revision No.   0   Date:   May 13, 2024    
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Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known palaeontologic resources, and a set of contingency measures for mitigation of potential impacts to unknown paleontological resources.	Subsection 4.8.4, pp. 4.8-8 to 4.8-9	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 4.8.5, pp. 4.8-10 to 4.8-13	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 4.8.6, pp. 4.8-13 to 4.8-14	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,	Section 4.8, Table 4.8-2	Yes	

**DATA COMPLETENESS WORKSHEET**

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 Technical Area: Paleontological Resources Project: Compass Energy Storage Project Revision No. 0 Date: May 13, 2024  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Staff: Michael Turner  
 Technical Senior: Abdel-Karim Abulaban

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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 4.8.7, p. 4.8-13	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete **x**  
 Technical Area: **Project Description**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: R. Longman/L. Worrall  
 Technical Senior: Eric Knight

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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;	Appendix 1A	No	See DR PD-1
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);	Appendix 2A	No	See DR PD-2
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	Subsection 2.2, Subsection 2.3, Subsection 2.4	No	See DR AQ-2, DR GHG-2, DR GHG-3, DR HAZ-3, DR HAZ-7, DR LAND-1, DR LAND-2, DR LAND-3, DR PD-2, DR PD-3, DR PD-4, DR PD-5, DR TRANS-6, DR TRANS-8, DR TRANS-9, DR TRANS-10, DR TSD-1, DR TSD-2, DR TSD-3, DR TSD-4, DR TSD-7, DR WS-2
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected, and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and other factors considered by the applicant.	Section 2.1, p. 2-1; Section 5.3 pp. 5-2 to 5-3, Subsection 5.5.4 pp. 5-5 to 5-9; Appendix 3A	Yes	
Appendix B (b) (2)	In a section titled, "Transmission Lines Description, Design, and Operation" provide:	--	--	--

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area: Project Description  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No.   0   Date: May 13, 2024  
 Technical Staff: R. Longman/L. Worrall  
 Technical Senior: Eric Knight

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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. 3-11	Yes	
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.	Section 3	No	See DR PD-6
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, pp. 3-1 to 3-3	No	See DR TSD-1 to DR TSD-4
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	Subsection 2.2.4, p. 2-4, Subsection 2.2.9, 2-6; Subsection 3.2, p. 3-1	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area: Project Description  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No.   0   Date: May 13, 2024  
 Technical Staff: R. Longman/L. Worrall  
 Technical Senior: Eric Knight

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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
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	N/A	N/A	N/A

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area: Project Description  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No.   0   Date: May 13, 2024  
 Technical Staff: R. Longman/L. Worrall  
 Technical Senior: Eric Knight

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	adequacy, including the production history of those wells within the leaseholds dedicated to the project, including pressure decline curves as available; and			
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.	Subsection 2.5, p. 2-12; Appendix 2C, pp. 11 to 15	Yes	





**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete  Revision No. 0 Date: May 13, 2024  
 Technical Area: **Public Health** Project: Compass Energy Storage Project Technical Staff: Yifan Ding/Winston Potts  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Joseph Hughes

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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;	Section 4.9, Subsection 4.9.2, pp. 4.9-2, 4.9-5	No	See DR PH-1
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
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.	Section 4.9, Subsection 4.9.2, pp. 4.9-2 to 4.9-5, Table 4.9-2	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 4.9, Subsection 4.9.5, pp. 4.9-8 to 4.9-9	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	Section 4.1, Subsection 4.1.7, pp. 4.1-23	No	See DR PH-3

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete  Revision No. 0 Date: May 13, 2024  
 Technical Area: **Public Health** Project: Compass Energy Storage Project Technical Staff: Yifan Ding/Winston Potts  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Joseph Hughes

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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 4.1, Subsection 4.1.7, pp. 4.1-23	No	See DR PH-4
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 4.1, Subsection 4.1.7, pp. 4.1-23	No	See DR AQ-6

### DATA COMPLETENESS WORKSHEET

Completeness: Complete  Incomplete \_\_\_\_\_  
 Technical Area: **Reliability**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Kenneth Salyphone  
 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 proposed facilities on consideration of:	Subsection 2.2.1, Subsection 2.2.2, p. 2-3; Table 4.12-7 p. 4.12-9	Yes	
Appendix B (h) (3) (B) (i)	Expected overall availability factor, and annual and lifetime capacity factors;	Subsection 2.1, p. 2-1	Yes	
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	Subsection 2.2.1, Subsection 2.2.2, p. 2-3	Yes	

### DATA COMPLETENESS WORKSHEET

Completeness: Complete  Incomplete   
 Technical Area: **Reliability**  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Kenneth Salyphone  
 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
	conveyance lines, and the waste disposal system;			
Appendix B (h) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	Section 4.4, pp. 4.4-1 to 4.4-7; Section 4.15, p. 4.15-1	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 2.2.5, p. 2-4	Yes	
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	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 that would have permit approval or enforcement authority, but for the exclusive	N/A	N/A	N/A

### DATA COMPLETENESS WORKSHEET

Completeness: Complete  Incomplete   
 Technical Area: Reliability  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: Kenneth Salyphone  
 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
	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:     May 13, 2024      
 Technical Area:     **Socioeconomics**     Project:     Compass Energy Storage Project     Technical Staff:     John Carrier      
 Project Manager:     Renee Longman/Lisa Worrall     Docket:     24-OPT-02     Technical Senior:     Steven Kerr    

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.10, pp. 4.10-1 to 4.10-22; Appendix 4.10A	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 4.10.2.1, pp. 4.10-8 to 4.10-10; Appendix 4-10A	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 4.10.8, pp. 4.10-20 to 4.10-21	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 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.	Subsection 2.1, p. 2-1; Subsection 4.10.2.3.4, pp. 4.10-11 to 4.10-12, Subsection 4.10.3, p. 4.10-18; Subsection 4.10.8, pp. 4.10-20 to 4.10-21; Appendix 4-10A	No	See DR SOCIO-1, DR SOCIO-2
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region	Subsection 4.10.1, pp. 4.10-1 to 4.10-8	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_ Incomplete x Revision No. 0 Date: May 13, 2024  
 Technical Area: Socioeconomics Project: Compass Energy Storage Project Technical Staff: John Carrier  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Steven Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	affected by construction and operation of the project. Include:			
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 4.10.1.3, pp. 4.10-3 to 4.10-4, Subsection 4.10.1.4, pp. 4.10-4 to 4.10-5, Subsection 4.10.6, p. 4.10-20	No	See DR SOCIO-3
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Subsection 4.10.1.1, pp. 4.10-1 to 4.10-2	No	See DR SOCIO-4
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Subsection 4.10.1.3, pp. 4.10-3 to 4.10-4	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by occupation required for construction and operation of the project;	Subsection 4.10.1.3, pp. 4.10-3 to 4.10-4, Subsection 4.10.2.3.1, p. 4.10-10	No	See DR SOCIO-5
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing and current vacancy rate; and	Subsection 4.10.1.2, p. 4.10-2	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-	Subsection 4.10.1.7, pp. 4.10-7 to 4.10-8, Subsection 4.10.2.3.7, p. 4.10-13; Subsection 4.10.1.6, pp. 4.10-6 to 4.10-7, Subsection 4.10.2.3.8, pp. 4.10-13 to 4.10-14, Subsection 4.10.1.5, p. 4.10-6, Subsection 4.10.2.3.6, p. 4.10-13, Subsection 4.10.1.6.4, p. 4.10-7	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_ Incomplete **x** Revision No. 0 Date: May 13, 2024  
 Technical Area: **Socioeconomics** Project: Compass Energy Storage Project Technical Staff: John Carrier  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	related changes for the duration of the project schedule.			
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 4.10.2, pp. 4.10-8 to 4.10-16; Appendix 4-10A	Yes	
Appendix B (g) (7) (B) (i)	An estimate of the number of workers to be employed each month by occupation during construction, and for operations, an estimate of the number of permanent operations workers during a year;	Subsection 4.10.2.3.1, p. 4.10-10, Subsection 4.10.2.4.1, p. 4.10-14; Appendix 4.10A, Table 5, p. 6	Yes	
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 4.10.2.3.6, p. 4.10-13	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Subsection 4.10.2.3.2, p. 4.10-11, Subsection 4.10.2.3.6, p. 4.10-13	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Subsection 4.10.2.3.2, p. 4.10-11, Subsection 4.10.2.3.3, p. 4.10-11, Subsection 4.10.2.4.3, p. 4.10-14	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	Subsection 4.10.2.3.7, p.4.10-13, Subsection 4.10.2.3.8, pp. 4.10-13 to 4.10-14, Subsection 4.10.2.3.6, p. 4.10-13	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_ Incomplete x Revision No. 0 Date: May 13, 2024  
 Technical Area: Socioeconomics Project: Compass Energy Storage Project Technical Staff: John Carrier  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Steven Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	projection, emergency services, parks and recreation facilities, 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 4.10.2.3.6, p. 4.10-13; Appendix 4-10A, p. 23	Yes	
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 4.10.2.3.4, p. 4.10-11, Subsection 4.10.2.4.4, p. 4.10-14; Appendix 4-10A, pp. 2 to 19	Yes	
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 4.10.2.3.4, p. 4.10-11, Subsection 4.10.2.4.4, p. 4.10-14; Appendix 4-10A, pp. 2 to 19	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost (plant and equipment) of the project;	Appendix 4-10A, p. 5, Table A-3	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 4.10.2.3.5, p. 4.10-13, Subsection 4.10.2.4.5, p. 4.10-16; Appendix 4-10A, pp. 3, 23	Yes	
Appendix B (g) (7) (B) (xi)	An estimate of property taxes generated during an operational year of the project;	Subsection 4.10.2.4.5, p. 4.10-16; Appendix 4-10A, p. 22, Table A-3, Table A-4	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete  Revision No. 0 Date: May 13, 2024  
 Technical Area: Socioeconomics Project: Compass Energy Storage Project Technical Staff: John Carrier  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.10.2.4.4, pp. 4.10-14 to 4.10-16, Subsection 4.10.2.3.4, pp. 4.10-1 to 4.10-12	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 4.10.2.5, p. 4.10-17 to 4.10-18	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	Subsection 4.10.5, p. 4.10-18, Table 4.10-15	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 4.10.6, p. 4.10-20, Table 4.10-16	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	Subsection 4.10.6, p. 4.10-20, Table 4.10-16	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_ Incomplete **x** Revision No. 0 Date: May 13, 2024  
 Technical Area: **Socioeconomics** Project: Compass Energy Storage Project Technical Staff: John Carrier  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Steven Kerr

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

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete   
 Technical Area: Soils  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2023  
 Technical Staff: James Ackerman  
 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 4.11	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	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;	Subsection 4.11.8, p. 4.11-11	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 other adopted local, regional, or statewide plan.	Subsection 4.11.1.4, p. 4.11.4, Subsection 4.11.1.5.1, pp. 4.11-4 to 4.11-5, Subsection 4.11.1.5.2, p. 4.11-5, Subsection 4.11.2, pp. 4.11-5 to 4.11-8, Subsection 4.11.3, p. 4.11-8, Subsection 4.11.4, p. 4.11.8 to 4.11-9	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete x Incomplete       
 Technical Area: Soils  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2023  
 Technical Staff: James Ackerman  
 Technical Senior: Abdel-Karim Abulaban

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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:	Figure 4.11-1, p .4.11-13, Subsection 4.11.1, pp. 4.11-1 to 4.11-5, Table 4.11-1, pp. 4.11-2 to 4.11-3	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil;	Subsection 4.11.1.1, p. 4.11-3, Table 4.11-1, pp. 4.11-2 to 4.11-3, Subsection 4.11.1.4, p. 4.11-4	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 potential, and cycling of pollutants in the soil-vegetation system;	Subsection 4.11.1.1, p. 4.11-3, Table 4.11-1, pp. 4.11-2 to 4.11-3, Subsection 4.11.1.4, p. 4.11-4, Subsection 4.11.2.7, p. 4.11-8	Yes	
Appendix B (g) (15) (A) (iii)	The location of any proposed fill disposal or fill procurement (borrow) sites; and	Subsection 2.3.2, pp. 2-7 to 2-10; Appendix 2A, CMP-CS-013, CMP-CS-014, CMP-CS-015, CMP-CS-016	Yes	
Appendix B (g) (15) (A) (iv)	The location of any contaminated soils that could be disturbed by project construction.	Subsection 4.11.1.5.5, p. 4.11-5; Appendix 4.5A	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 4.11.1.1, p. 4.11-3	Yes	
Appendix B (g) (15) (B) (i)	The quantification of accelerated soil loss due to wind and water erosion; and	Subsection 4.11.1.1, p. 4.11-3	Yes	
Appendix B (g) (15) (B) (ii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Subsection 4.11.2.7, p. 4.11-8	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete   
 Technical Area: Soils  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2023  
 Technical Staff: James Ackerman  
 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) (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 4.11.5, pp. 4.11-9 to 4.11-10, Table 4.11-2, p. 4.11-9	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 4.11.6, p. 4.11-10, Table 4.11-3, p. 4.11-10	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 4.11.6, p. 4.11-10, Table 4.11-3, p. 4.11-10	Yes	
Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the	Table 4.11-3, p. 4.11-10, Subsection 4.11.7, p. 4.11-11	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete       Revision No. 0      Date: May 13, 2023  
 Technical Area: Soils      Project: Compass Energy Storage Project      Technical Staff: James Ackerman  
 Project Manager: Renee Longman/Lisa Worrall      Docket: 24-OPT-02      Technical Senior: Abdel-Karim Abulaban

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	applicant has taken or plans to take to obtain such permits.			

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete  x  Revision No.  0  Date:  May 13, 2024   
 Technical Area:  Traffic and Transportation  Project:  Compass Energy Storage Project  Technical Staff:  Steve Brown   
 Project Manager:  Renee Longman/Lisa Worrall  Docket:  24-OPT-02  Technical Senior:  Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.12, pp. 4.12-1 to 4.12-19	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 4.12, pp. 4.12-1 to 4.12-19	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 4.12.8, p. 4.12-19	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	Section 4.12, pp. 4.12-1 to 4.12-19	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete  x  Revision No.  0  Date:  May 13, 2024   
 Technical Area:  Traffic and Transportation  Project:  Compass Energy Storage Project  Technical Staff:  Steve Brown   
 Project Manager:  Renee Longman/Lisa Worrall  Docket:  24-OPT-02  Technical Senior:  Steven Kerr

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) (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.	Section 4.12	No	See DR TRANS-1
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 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:	N/A	N/A	N/A
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.	N/A	N/A	N/A

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete  x  Revision No.  0  Date:  May 13, 2024   
 Technical Area:  Traffic and Transportation  Project:  Compass Energy Storage Project  Technical Staff:  Steve Brown   
 Project Manager:  Renee Longman/Lisa Worrall  Docket:  24-OPT-02  Technical Senior:  Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
Appendix B (g) (5) (B) (ii)	A thermal plume analysis that describes the plume’s velocity;	N/A	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	N/A	N/A	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	N/A
Appendix B (g) (5) (C)	An evaluation of the project’s potential impacts related to vehicle miles traveled (VMT) that may include:	Subsection 4.12.2.2, pp. 4.12-7 to 4.12-8	Yes	
Appendix B (g) (5) (C) (i)	The local jurisdiction’s thresholds of significance;	Subsection 4.12.2.2, p. 4.12-7	Yes	
Appendix B (g) (5) (C) (ii)	Methodologies (such as local VMT Evaluation Tool);	Subsection 4.12.2.2, p. 4.12-7	Yes	
Appendix B (g) (5) (C) (iii)	VMT heat maps; and	N/A	N/A	N/A
Appendix B (g) (5) (C) (iv)	Transportation demand management plans and any documents supporting the project applicant’s CEQA determination.	Section 4.12	No	See DR TRANS-2
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:	Section 4.12	No	See DR TRANS-3

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete  x       Revision No.  0       Date:  May 13, 2024   
 Technical Area:  Traffic and Transportation       Project:  Compass Energy Storage Project       Technical Staff:  Steve Brown   
 Project Manager:  Renee Longman/Lisa Worrall       Docket:  24-OPT-02       Technical Senior:  Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
Appendix B (g) (5) (D) (i)	Road classification and design capacity;	Subsection 4.12.2.3.3, p. 4.12-11	Yes	
Appendix B (g) (5) (D) (ii)	Current daily average and peak traffic counts;	Subsection 4.12.2.3.4, p. 4.12-11	No	See DR TRANS-4
Appendix B (g) (5) (D) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Subsection 4.12.2.3.4, p. 4.12-11	No	See DR TRANS-4, DR TRANS-6
Appendix B (g) (5) (D) (iv)	Weight and load limitations;	Section 4.12	No	See DR TRANS-5
Appendix B (g) (5) (D) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Subsection 4.12.1.2.2, Table 4.12-3, p. 4.12-4	Yes	
Appendix B (g) (5) (D) (vi)	An identification of any road features affecting public safety.	Section 4.12, Figure 4.12-6, p. 4.12-31	No	See DR TRANS-7
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:	--	--	--
Appendix B (g) (5) (E) (i)	Estimated one-way trip lengths for workers, deliveries, and truck haul trips generated by the construction of the project.	Section 4.12	No	See DR TRANS-6, DR TRANS-8
Appendix B (g) (5) (E) (ii)	Description of public roadways and intersections temporarily or permanently	Section 4.12	No	See DR TRANS-9

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete  x  Revision No.  0  Date:  May 13, 2024   
 Technical Area:  Traffic and Transportation  Project:  Compass Energy Storage Project  Technical Staff:  Steve Brown   
 Project Manager:  Renee Longman/Lisa Worrall  Docket:  24-OPT-02  Technical Senior:  Steven Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	altered by construction and operation including the duration of activities.			
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.	Section 4.12	No	See DR TRANS-10
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 4.12, pp. 4.12-18	No	See DR LAND-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, 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	Subsection 4.12.5, pp. 4.12-19	Yes	



**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x  

Revision No.   0   Date:   May 13, 2024  

Technical Area:   Transmission System Safety and Nuisance  

Project:   Compass Energy Storage Project  

Technical Staff:   Sudath Edirisuriya  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

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.	Section 2, pp 2.1 to 2.4; Section 3 pp 3-1 to 3-9	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	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.	Section 2, pp 2.1 to 2.4; Section 3, pp 3-1 to 3-9	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 other adopted local, regional, or statewide plan.	Section 2, pp 2.1 to 2.4, Figure 2-1; Section 3, pp 3-1 to 3-9, Figure 3-1, Figure 3-2	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x  

Revision No.   0   Date:   May 13, 2024  

Technical Area:   Transmission System Safety and Nuisance  

Project:   Compass Energy Storage Project  

Technical Staff:   Sudath Edirisuriya  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Joseph Hughes  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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.	Section 2, Figure 2-1; Section 3, pp 3-1 to 3-9, Figure 3-1, Figure 3-2	No	See DR TSD-1, DR TSD-2
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.	Section 2, Figure 2-1; Section 3, pp. 3-1 to 3-9, Figure 3-1, Figure 3-2	No	See DR TSSN-1, DR TSSN-2
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.	Section 2, Figure 2-1; Section 3, pp 3-1 to 3-9, Figure 3-1, Figure 3-2	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 3.5, Tables 3.5.1 to 3.5.6	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x  

Revision No.   0   Date:   May 13, 2024  

Technical Area:   Transmission System Safety and Nuisance  

Project:   Compass Energy Storage Project  

Technical Staff:   Sudath Edirisuriya  

Project Manager:   Renee Longman/Lisa Worrall  

Docket:   24-OPT-02  

Technical Senior:   Joseph Hughes  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 3.5.7	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.	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    
 Technical Area: Transmission System Design  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No.   0   Date: May 13, 2024  
 Technical Staff: Laiping Ng  
 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 2.1, p. 2.1. Section 3.2, p. 3-1	Yes	
Appendix B (h) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	Section 2.2, pp. 2-2 to 2-6	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines,	Section 3, pp. 3-1 to 3-3	No	See DR TSD-1 to DR TSD-4

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area: Transmission System Design  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No.   0   Date: May 13, 2024  
 Technical Staff: Laiping Ng  
 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
	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.			
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 2.2.4, p. 2-4. Section 2.2.9, p. 2-6; Section 3.2, p. 3-1	Yes	
Appendix B (b) (2) (E)	A completed System Impact Study or signed System Impact Study Agreement with the California Independent System Operator and proof of payment. When not connecting to the California Independent System Operator controlled grid, provide the executed System Impact Study agreement and proof of payment to the interconnecting utility. If the interconnection and operation of the proposed project will likely impact an transmission system that is not controlled by the interconnecting utility (or California Independent System Operator), provide evidence of a System Impact Study or agreement and proof of payment (when applicable) with/to the impacted transmission	Section 3.3, pp. 3-2 to 3-3; Appendix 3A; Appendix 3B	No	See DR TSD-5 to DR TSD-6

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area: Transmission System Design  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No.   0   Date: May 13, 2024  
 Technical Staff: Laiping Ng  
 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
	owner or provide evidence that there are no system impacts requiring mitigation.			
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 3.5, pp. 3-6 to 3-9	No	See DR TSD-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, 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.			
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 3.3; Appendix 3B	No	See DR TSD-8

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area:   Visual Resources    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Michael Clayton    
 Technical Senior:   Steven 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 4.13; Subsection 4.13.2.1, pp. 4.13-3 to 4.13-6; Subsection 4.13.2.3, pp. 4.13-8 to 4.13-9; Subsection 4.13.2.4, pp. 4.13-9 to 4.13-11; Subsection 4.13.3, p. 4.13-11	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; Subsection 4.13.2.1, pp. 4.13-3 to 4.13-6; Subsection 4.13.2.3, pp. 4.13-8 to 4.13-9; Subsection 4.13.2.4, pp. 4.13-9 to 4.13-11; Subsection 4.13.3, p. 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 4.13.8, p. 4.13-13	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 of) used to develop the cumulative setting for the proposed project. Include any reference	Subsection 4.13, pp. 4.13-1 to 4.13-24	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area:   Visual Resources    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Michael Clayton    
 Technical Senior:   Steven Kerr  

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) (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 4.13.1, pp. 4.13-1 to 4.13-3	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 4.13.1.1, p. 4.13-2; Subsection 4.13.2.1.4, pp. 4.13-4 to 4.13-5	No	See DR VIS-3, DR VIS-4
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 4.13.1.1, p. 4.13-2; Subsection 4.13.2.4, pp. 4.13-10 to 4.13-11	No	See DR VIS-3, DR VIS-4, DR VIS-5
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 4.13.1.1, p. 4.13-2; Subsection 4.13.2.1.4, pp. 4.13-4 to 4.13-5	No	See DR VIS-3, DR VIS-4, DR VIS-6
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 4.13.1.1, p. 4.13-2; Subsection 4.13.2.1.4, pp. 4.13-4 to 4.13-5	No	See DR VIS-3, DR VIS-4, DR VIS-7
Appendix B (g) (6) (A) (i) d.	Explain does the project eliminate or obstruct the public view (the visible area from a location	Subsection 4.13.2.1.4, pp. 4.13-4 to 4.13-5	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area:   Visual Resources    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Michael Clayton    
 Technical Senior:   Steven Kerr  

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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 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 4.13.2.1, p. 4.13-5	No	See DR VIS-8
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.	Subsection 4.13.2.4, pp. 4.13-9 to 4.13-11	No	See DR VIS-9
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 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.	Subsection 4.13.2.3.1, p. 4.13.8; Figure 4.13-1, p. 4.13-15	Yes	
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,	Subsection 4.13.2.3.1, p. 4.13-8; Figure 4.13-1, p. 4.13-15	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area:   Visual Resources    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Michael Clayton    
 Technical Senior:   Steven Kerr  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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.			
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 4.13.3.1.2, p. 4.13-3; Figure 4.13-2, Figure 4.13-3, pp. 4.13-17, 4.13-21	No	See DR VIS-10
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 4.13.2.3.1, pp. 4.13-8 to 4.13-9; Figures 4.13-2a and 4.13-3a, pp. 4.13-19 and 4.13-23; Appendix 2B	No	See DR VIS-1, 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.	Subsection 4.13.3.1.2, p. 4.13-3; Figures 4.13-2, 2a, 3, and 3a, pp. 4.13-17 to 4.13-23	No	See DR VIS-11
Appendix B (g) (6) (C) (vi)	Provide a copy of the KOP photograph(s) and photo-realistic simulation(s) in an electronic file.	Section 4.13, Figures 4.13-2, 2a, 3, and 3a, pp. 4.13-17 to 4.13-23	No	See DR VIS-12, DR VIS-13
Appendix B (g) (6) (D)	Show and describe the project in the landscape.	Section 2; Appendix 2A; Subsection 4.13.2.3, pp. 4.13-8 to 4.13-9; Figure 4.13-2a, Figure 4.13-3a, pp. 4.13-19, 4.13-23	No	See DR VIS-14

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area: Visual Resources  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Revision No.   0   Date: May 13, 2024  
 Technical Staff: Michael Clayton  
 Technical Senior: Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.13.2.2.1, pp. 4.13-6 to 4.13-7	No	See DR VIS-14, DR VIS-15
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 4.13.2.2.1, pp. 4.13-6 to 4.13-7	No	See DR VIS-16
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 4.13.2.2.1, pp. 4.13-6 and 4.13-9, Subsection 4.13.2.2.4, p 4.13-7	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:	Appendix 2B	No	See DR VIS-17
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.	Appendix 2B	No	See DR VIS-18
Appendix B (g) (6) (D) (iv) b.	the calculated total pervious surface amount for the project site; include the surface to be replaced, the new surface, and the total area to be landscaped.	Appendix 2B	No	See DR VIS-18
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	Subsection 4.13.2.2.3, p. 4.13-7, Subsection 4.13.2.3.2, p. 4.13-9	No	See DR VIS-19

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area:   Visual Resources    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Michael Clayton    
 Technical Senior:   Steven Kerr  

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	exterior surfaces offsite that conform with the city municipal code or county government code.			
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 4.13.2.2.3, p. 4.13-7, Subsection 4.13.2.3.2, p. 4.13-9	No	See DR VIS-20
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—depends on the intensity of the light striking it and the materials from which it is made (e.g., glass, reinforced concrete, structural steel).	Section 4.13	No	See DR VIS-21
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	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	N/A
Appendix B (g) (6) (E) (ii)	Provide fogging curves specific to the cooling tower's exhaust discharge for at least three	N/A	N/A	N/A

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete   x    
 Technical Area:   Visual Resources    
 Project Manager:   Renee Longman/Lisa Worrall  

Project:   Compass Energy Storage Project    
 Docket:   24-OPT-02  

Revision No.   0   Date:   May 13, 2024    
 Technical Staff:   Michael Clayton    
 Technical Senior:   Steven Kerr  

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	ambient air temperature conditions (a low, average, and high temperature condition).			
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 public views of the site and its surroundings.	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	Subsection 4.13.2.4, pp. 4.13-9 to 4.13-11, Subsection 4.13.5, pp. 4.13-11 to 4.13-13	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 which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Subsection 4.13.2.2.3, p. 4.13-7, Subsection 4.13.2.3.2, p. 4.13-9	No	See DR VIS-22
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,	Subsection 4.13.6, p. 4.13-13	No	See DR VIS-23

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete \_\_\_\_\_ Incomplete  x   
 Technical Area:  Visual Resources   
 Project Manager:  Renee Longman/Lisa Worrall

Project:  Compass Energy Storage Project   
 Docket:  24-OPT-02

Revision No.  0  Date:  May 13, 2024   
 Technical Staff:  Michael Clayton   
 Technical Senior:  Steven Kerr

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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 4.13.7, p. 4.13-13	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete

Revision No. 0 Date: May 13, 2024

Technical Area: Waste Management  
Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
Docket: 24-OPT-02

Technical Staff: J. Ackerman/A. Patterson  
Technical Senior: A. Abulaban/B. 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 4.14	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	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;	Subsection 4.14.8, p. 4.14-15	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 4.14.2, pp. 4.14-5 to 4.14-8, Subsection 4.14.3, p. 4.14-8, Subsection 4.14.4, pp. 4.14-8 to 4.14-11	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete

Revision No. 0 Date: May 13, 2024

Technical Area: Waste Management  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Technical Staff: J. Ackerman/A. Patterson  
 Technical Senior: A. Abulaban/B. Fooks

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) (12) (A)	A Phase I Environmental Site Assessment (ESA) for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and 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.	Subsection 4.14.1.1, p. 4.14-1; Appendix 4.5A	Yes	
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	Subsection 4.14.2.1, p. 4.14-1, Table 4.4-1, pp. 4-14.2 to 4.14-3, Subsection 4.14.2.1, p. 4.14-1, Table 4.14-2, pp. 4.14-3 to 4.14-5	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete

Revision No. 0 Date: May 13, 2024

Technical Area: Waste Management  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Technical Staff: J. Ackerman/A. Patterson  
 Technical Senior: A. Abulaban/B. Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	generated, and estimated frequency of generation.			
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under California Code of Regulations, Title 23, section 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Subsection 4.14.2.3.1, pp. 4.14-6 to 4.14-7, Table 4.14-3, p. 4.14-6, Subsection 4.14.2.3.2, p. 4.14-7	Yes	
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.	Subsection 4.14.1.2.1, p. 4.14-1, Table 4.4-1, pp. 4-14.2 to 4.14-3, Subsection 4.14.1.2.2, p. 4.14-3, Table 4.14-2, pp. 4.14-3 to 4.14-5, Subsection 4.14.2.3, pp. 4.14-6 to 4.14-8, Subsection 4.14.4, pp. 4.14-8 to 4.14-11	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	Subsection 4.14.5, pp. 4.14-11 to 4.14-14, Table 4.14-4, pp. 4.14-11 to 4.14-12	Yes	

**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete

Revision No. 0 Date: May 13, 2024

Technical Area: Waste Management  
 Project Manager: Renee Longman/Lisa Worrall

Project: Compass Energy Storage Project  
 Docket: 24-OPT-02

Technical Staff: J. Ackerman/A. Patterson  
 Technical Senior: A. Abulaban/B. Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	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 4.14.5, pp. 4.14-11 to 4.14-14, Table 4.14-4, pp. 4.14-11 to 4.14-12, Subsection 4.14.6, Table 4.14-5, p. 4.14-14	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 4.14.6, Table 4.14-5, p. 4.14-14.	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	Yes	

Completeness: Complete \_\_\_ Incomplete **x** **DATA ADEQUACY WORKSHEET**

Revision No. 0 Date: May 13, 2024

Technical Area: **Water Resources** Project: Compass Energy Storage Project

Technical Staff: James Ackerman

Project Manager: Renee Longman/Lisa Worrall

Docket: 24-OPT-02

Technical Senior: Abdel-Karim Abulaban

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.15, pp. 4.15-1 to 4.15-13; Appendix 4.15A; Appendix 4.15B	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 4.15, pp. 4.15-1 to 4.15-13; Appendix 4.15A; Appendix 4.15B	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 4.15.7, p. 4.15-13	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 other adopted local, regional, or statewide plan.	Subsection 4.15.1, pp. 4.15-1 to 4.15-5., Subsection 4.15.2, pp. 4.15-6 to 4.15-9, Table 4.15-1, p. 4.15-9, Subsection 4.15.3, p. 4.15-9, Subsection 4.15.4, p. 4.15-10	Yes	

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Technical Staff: James Ackerman

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Appendix B (g) (14) (A)	All the information required to apply for the following permits, if applicable, including:	Appendix 14.5-A, Appendix 14.5B	Yes	
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);	Subsection 2.2.6, pp. 2-4 to 2-5; . Section 4.15, p. 4.15-1, Subsection 4.15.1.7, p. 4.15-5, Subsection 4.15.2.1, .p. 4.15-6 to 4.15-8, Subsection 4.15.5.2, p. 4.15-10, Subsection 4.15.5.3.1, p. 4.15-11; Appendix 4.15A	Yes	
Appendix B (g) (14) (A) (ii)	Construction and Industrial Waste Discharge or Industrial Pretreatment permits from wastewater treatment agencies;	Subsection 4.15.5.2.1, p. 4.15-10, Subsection 4.15.5.2.2, p. 4.15-10	Yes	
Appendix B (g) (14) (A) (iii)	Nationwide Permits and/or Section 404 Permits from the U.S. Army Corps of Engineers; and	N/A	N/A	N/A
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	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 chemical and physical characteristics of the following nearby water bodies that may be affected by the proposed project:	Subsection 4.15.1, pp. 4.15-1 to 4.15-5, Subsection 4.15.2, pp. 4.15-5 to 4.15-9, Figure 4.15-1, p. 4.15-15, Figure 4.15-2, p. 4.15-17	Yes	

Completeness: Complete \_\_\_ Incomplete **x** **DATA ADEQUACY WORKSHEET**

Revision No. 0 Date: May 13, 2024

Technical Area: **Water Resources** Project: Compass Energy Storage Project

Technical Staff: James Ackerman

Project Manager: Renee Longman/Lisa Worrall

Docket: 24-OPT-02

Technical Senior: Abdel-Karim Abulaban

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Subsection 4.15.1.2, pp. 4.15-2 to 4.15-3	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies;	Section 4.15, Figure 4.15-1, p. 4.15-15	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones;	Subsection 4.15.1.5, p. 4.15-4	Yes	
Appendix B (g) (14) (B) (iv)	Flood control facilities (existing and proposed); and	Subsection 2.4, p. 2-11; Subsection 4.15.1.5.2, p. 4.15-4	Yes	
Appendix B (g) (14) (B) (v)	Groundwater wells within ½ mile if the project will include pumping.	N/A	N/A	N/A
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	Subsection 4.15.1.5, p. 4.15-4.	Yes	
Appendix B (g) (14) (C) (i)	Source(s) of the primary and back-up water supplies and the rationale for their selection;	N/A	N/A	N/A
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);	N/A	N/A	N/A

Completeness: Complete \_\_\_ Incomplete **x** **DATA ADEQUACY WORKSHEET**  
 Technical Area: **Water Resources** Project: Compass Energy Storage Project  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
 Technical Staff: James Ackerman  
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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;	Subsection 4.15.1.5, p. 4.15-4.	No	See DR WATER-1
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;	Subsection 2.4, p. 2-11, Subsection 4.15.1.5.2, p. 4.15-4	Yes	
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;	N/A	N/A	N/A
Appendix B (g) (14) (C) (vi)	For all water supplied which necessitates transfers and/or exchanges at any point, identify all parties and contracts/agreements involved, the primary source for the transfer and/or exchange water (that is, surface water, groundwater), and provide the status of all appropriate agencies' approvals for the proposed use, environmental impact analysis on the specific transfers or	Subsection 4.15.1.5, p. 4.15-4.	No	See DR WATER-2

Completeness: Complete \_\_\_ Incomplete **x** **DATA ADEQUACY WORKSHEET**

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Technical Staff: James Ackerman

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<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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	N/A
Appendix B (g) (14) (C) (viii)	<p>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.</p> <p>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.</p>	Subsection 2.1, p. 2-1, Subsection 2.2.6, pp. 2-4 to 2-5 Subsection 2.2.11, p. 2-6, Subsection 2.3.1, p. 2-6, Subsection 2.3.3, pp. 2-10 to 2-11; Subsection 4.15.1.6, pp. 4.15-4 to 4.15-5, Subsection 4.15.1.7, p. 4.15-5; Appendix 4.15B, Section 3.3, p. 13	Yes	

Completeness: Complete \_\_\_ Incomplete **x** **DATA ADEQUACY WORKSHEET**  
 Technical Area: **Water Resources** Project: Compass Energy Storage Project  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
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<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	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:	Subsection 2.2.6, p.p. 2-4 to 2-5, Subsection 2.3.1, p. 2-6, Subsection 4.15.1.7, p. 4.15-5; Appendix 2A, CMP-CS-004 to CMP-CS-006, CMP-CS-011, CMP-CS-012, CMP-CS-022; Appendix 4.15B	Yes	
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;	Appendix 4.15B	Yes	
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;	Appendix 2A, CMP-CS-004 to CMP-CS-006, CMP-CS-011, CMP-CS-012, CMP-CS-022; Appendix 4.15A; Appendix 4.15B	Yes	
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 4.15B	Yes	

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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.	Subsection 4.15.5.2, p. 4.15-10, Subsection 4.15.5.3.1, p. 4.15-11	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 in the physical or chemical conditions of existing water supplies as a result of water use by the power plant;	N/A	N/A	N/A
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;	N/A	N/A	N/A

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Revision No. 0 Date: May 13, 2024

Technical Area: **Water Resources** Project: Compass Energy Storage Project

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Project Manager: Renee Longman/Lisa Worrall

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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;	N/A	N/A	N/A
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	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	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	Subsection 4.15.1.1, p.p. 4.15-1 to 4.15.2, Subsection 4.15.1.1, pp. 4.15-1 to 4.15.2, bs 4.15.1.4, pp. 4.15-3 to 4.15-4, Subsection 4.15.2.2, p. 4.15.8	Yes	
Appendix B (g) (14) (vii)	All assumptions, evidence, references, and calculations used in the analysis to assess these effects.	Appendix 4.15A	Yes	

Completeness: Complete \_\_\_ Incomplete **x** **DATA ADEQUACY WORKSHEET**  
 Technical Area: **Water Resources** Project: Compass Energy Storage Project  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02

Revision No. 0 Date: May 13, 2024  
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<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.15.5, pp. 4.15-10 to 4.15-12	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 4.15, Table 4.15-2, p. 4.15-12	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 4.15.6, Table 4.15-2, p. 4.15-12	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 4.15.6, Table 4.15-2, p. 4.15-12	Yes	





**DATA COMPLETENESS WORKSHEET**

Completeness: Complete  Incomplete  Revision No. 0 Date: May 13, 2024  
 Technical Area: Worker Safety Project: Compass Energy Storage Project Technical Staff: Steve De Young  
 Project Manager: Renee Longman/Lisa Worrall Docket: 24-OPT-02 Technical Senior: Brett Fooks

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
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 4.16	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	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.	Subsection 4.16.5, p. 4.16-19	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 other adopted local, regional, or statewide plan.	N/A	N/A	N/A

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Revision No. 0 Date: May 13, 2024

Technical Area: Worker Safety

Project: Compass Energy Storage Project

Technical Staff: Steve De Young

Project Manager: Renee Longman/Lisa Worrall

Docket: 24-OPT-02

Technical Senior: Brett Fooks

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
Appendix B (g) (11) (A)	A description of the safety training programs that will be required for construction and operation personnel.	Subsection 4.16.1, p. 4.16-1, Table 4.16-1, p. 4.16-1, Table 4.16-2, p. 4.16-3, Table 4.16-3, p. 4.16-14, Table 4.16-4, p. 4.16-15	No	See DR WS-1, DR WS-2
	A complete description of the fuel handling system and the fire suppression system.	Subsection 4.16.1.4, p. 4.16-16; Subsection 2.2.10, p. 2-6	Yes	
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: <ul style="list-style-type: none"> <li>Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);</li> </ul>	Subsection 4.16.1.3.1, p.4.16-5; Table 4.16-3, p. 4.16-15	No	See DR WS-1
	<ul style="list-style-type: none"> <li>Fire Protection and Prevention Plan (8 Cal. Code Regs., section 1920);</li> </ul>	Subsection 2.2.10, p. 2-6; Subsection 4.16.1.2, p. 4.16-1, Table 4.16-1, p. 4.16-2	No	See DR WS-3
	<ul style="list-style-type: none"> <li>Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)</li> </ul>	Subsection 4.16.1.3.1, p. 4.16-6	Yes	
	Operation Health and Safety Program: <ul style="list-style-type: none"> <li>Injury and Illness Prevention Program (8 Cal. Code Regs., §3203);</li> </ul>	Subsection 4.16.1.3.2, p. 4.16-10, Table 4.16-4, p. 4.16-15	No	See DR WS-2
	<ul style="list-style-type: none"> <li>Fire Prevention Plan (8 Cal. Code Regs., § 3221);</li> </ul>	Subsection 2.2.10, p. 2.2-6; Subsection 4.16.1.3.2, p. 4.16-10, Table 4.16-4, p. 4.16-16	No	See DR WS-3
	<ul style="list-style-type: none"> <li>Emergency Action Plan (8 Cal. Code Regs., § 3220);</li> </ul>	Subsection 4.16.1.3.2, p. 4.16-10, Table 4.16-4, p. 4.16-16	Yes	

**DATA COMPLETENESS WORKSHEET**

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Revision No. 0 Date: May 13, 2024

Technical Area: **Worker Safety**

Project: Compass Energy Storage Project

Technical Staff: Steve De Young

Project Manager: Renee Longman/Lisa Worrall

Docket: 24-OPT-02

Technical Senior: Brett Fooks

<b>SITING REGULATIONS</b>	<b>INFORMATION</b>	<b>APPLICATION SECTION NUMBER AND PAGE NUMBER</b>	<b>COMPLETE YES OR NO</b>	<b>INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS</b>
	<ul style="list-style-type: none"> <li>Personal Protective Equipment Program (8 Cal. Code Regs., §§3401-3411).</li> </ul>	Subsection 4.16.1.3.2, p. 4.16-10, Table 4.16-4, p. 4.16-16	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 4.16.2, p. 4.16-17, Table 4.16-5, p. 4.16-17	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.	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.	Subsection 4.16.3, p. 4.16-18, Table 4.16-6, p. 4.16-18	Yes	
Appendix B	A schedule indicating when permits outside	N/A	N/A	

**DATA COMPLETENESS WORKSHEET**

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 Technical Area:   **Worker Safety**   Project:   Compass Energy Storage Project   Technical Staff:   Steve De Young    
 Project Manager:   Renee Longman/Lisa Worrall   Docket:   24-OPT-02   Technical Senior:   Brett Fooks  

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(i) (3)	the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.			

# **Attachment B**

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Data Requests

## **Attachment B Data Requests**

### **MANDATORY OPT-IN REQUIREMENTS**

California Code of Regulations (CCR), 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 an Economic and Public Revenue Impact Study (Appendix 4.10A in the application), which uses the IMPLAN model, an Input/Output modeling framework, to calculate gross positive economic benefits to the City of San Juan Capistrano and to Orange County (pp. 13 to 23). However, the study does not provide a calculation of the net positive economic benefit to the local government (i.e., City of San Juan Capistrano) per the requirements of CCR, title 20, section 1877(f). While the study includes "Value Added" as an economic metric (p. 14), this metric is focused only on the economic profit generated by a project after accounting for the cost of capital. Additionally, the economic metrics provided for employment (e.g., employment, FTE, job-year, employee compensation; p.14) do not account for a net change in these metrics.

Additional application materials reviewed by staff include Section 4.10, Socioeconomics and Mandatory Opt-In Regulations Crosswalk Matrix. The economic analysis provided in Section 4.10 is a summary of the Economic and Public Revenue Impact Study and does not present analysis regarding "net positive economic benefit to the local government." The Mandatory Opt-In Regulations Crosswalk Matrix does not include the mandatory Opt-In Requirements specified under CCR, title 20, section 1879(a)(7), and under Public Resources Code section 25545.9. Therefore, an overall net positive economic benefit to the City of San Juan Capistrano has not been demonstrated.

A net analysis includes both the positive and negative effects that result from a change in production or spending in the economy. A model that calculates net positive economic benefit would incorporate other economic impacts from the project such as the opportunity cost of investment in the proposed project, projected cost of the city providing services to the project, local economic development losses associated with the displacement of an existing energy source, or potential increases or decreases in electricity rates or fuel prices resulting from project investments in new energy storage infrastructure. A net analysis should also include the gain and loss of jobs when calculating the net employment impact. Staff has had several discussions with IMPLAN,

LLC, and has been informed that IMPLAN does calculate net benefits of projects by including multiple events in the analysis (e.g., including a negative dollar amount in an industry that is being replaced by the project, and a positive amount in the new industry or project). Please refer to the example at <https://support.implan.com/hc/en-us/articles/360037695753-Net-Analysis-Switching-to-Solar-Energy>, which presents a use case scenario of net analysis for a solar project.

When demonstrating overall net positive economic benefit to City of San Juan Capistrano, the negative economic effects must be included. For example, the projected cost of the city providing public services to the project should be factored into the consideration of net benefits of the proposed project to the local jurisdiction. In this case, since the proposed project site is currently undeveloped land (i.e., open space with no structures), a determination of whether, or not, the project-generated property tax would exceed the projected cost of the City providing services to the project is an example that can help provide information on the net benefits of the project. Specific assumptions for positive, negative, or neutral effects to the industry from the project must be made to properly estimate the net benefits.

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

- a. Updated "...*preliminary* information that demonstrates overall *net* positive economic benefit to the local government that would have had permitting authority over the site and related facility."
- b. The assumptions used to run the economic model updates, including:
  - i. A list of specific assumptions (i.e., inputs) for the economic model (e.g., IMPLAN or additional assumptions outside of IMPLAN) that estimates net benefits (including positive and negative economic events); and
  - ii. The assumptions for all benefits identified, including employment growth, infrastructure improvements, and property and sales tax revenues.
  - iii. If IMPLAN is utilized, export the IMPLAN project configuration file and provide the downloaded .JSON file.

Public Resources Code (PRC) section 21183.6(a) requires that Opt-In Applications identify the quantification and mitigation of the greenhouse impacts of a project, described in paragraph (1), (2), or (3) of subdivision (b) of Section 21180, as follows: (1) the environmental baseline for greenhouse gas emissions shall be established based upon the physical environmental conditions in the vicinity of the project site at the time the application is submitted in a manner consistent with Section 15125 of Title 14 of the CCR as those regulations existed on January 1, 2021. While the proposed energy storage facility does not meet the description of a project as listed in paragraph (1), (2), or (3) of subdivision (b) of PRC 21180, the project is an Opt-In project, which is deemed an environmental leadership development project under PRC section 25545.13 (a), and by extension is subject to PRC section 21183.6(a)(1).

The Applicant did not define the GHG baseline conditions, beyond identifying the Federal PSD Major Source Threshold of 75,000 tons per year. There was no definition of GHGs, CO<sub>2</sub>e, no mention of the South Coast Air Quality Management District's (SCAQMD or District) approach for identifying GHG thresholds, identifying the local GHG reduction strategy, and no mention of the GHG emitted by fossil fuels, of which the project would be reducing over its lifetime.

**DR MAND-2.** Please include a discussion of the baseline conditions of GHG (definition of, SCAQMD's approach to GHG analysis, GHGs emitted by sources that would be reduced as a result of the project to bring the project into net-zero emissions and beyond, etc.).

## **AIR QUALITY**

California Code of Regulations, title 20, section 1704, (a) (3) (C) requires a list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference. The references in Section 4.1, Air Quality, are incomplete.

**DR AQ-1.** Three references (SCAQMD 2023, SCAQMD 2009, EPA 2013) used in the document are not included in Subsection 4.1.8. Please ensure all references are fully provided.

Section 4.1.2 states that the proposed project would not include any permitted sources such as an emergency generator or other emissions unit. However, Section 4.9, Public Health, states that "air will be the dominant pathway for public exposure to chemical substances released by the proposed project. Emissions to the air will consist primarily of combustion by-products produced by two internal combustion engines driving emergency generators." Staff requires more information about these engines and emergency generators, and whether or not they will be part of the project.

**DR AQ-2.** If two internal combustion engines driving emergency generators will be utilized for the project, please include their emission rates and engine manufacturing specification sheets, including the heating value and chemical characteristics of the proposed fuels, the stack height and diameter, and the exhaust velocity and temperature. Please provide a description of the control technologies proposed to limit the emission of criteria pollutants.

**DR AQ-3.** Please provide an air dispersion modeling analysis demonstrating that the engines' operation would comply with ambient air quality standards. Please provide the associated modeling files and results.

**DR AQ-4.** Please provide a cumulative air quality modeling impacts analysis of the project's emergency engines 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. Otherwise, provide justification for why a cumulative modeling analysis is not needed, considering things such as, engine emission rates, location of maximum impacts, distance from sensitive receptors and distance from other permitted sources.

The applicant utilizes California Emissions Estimator Model (CalEEMod) to calculate the air pollution emissions for the construction and operation of the project. The CalEEMod results show emission estimates for both mitigated and unmitigated construction activities. Mitigation includes use of dust suppressants and limiting vehicle speeds. However, staff will need more detailed information on all best management practices the applicant proposes to employ to mitigate construction related impacts.

**DR AQ-5.** Please provide a detailed description of the mitigation the applicant plans on utilizing to reduce construction related impacts.

As discussed in more detail in DR AQ-2 and DR AQ-3 above, it is unclear whether the project is proposing the use of emergency generators. For the CEC's jurisdiction and in lieu authority set forth in Public Resources Code section 25545.1(b)(1), any state or local air quality permit that would have been issued from the SCAQMD will be incorporated into the CEC's certification. To assist the District in reviewing the project, the applicant should submit the necessary information to the District. To ensure the District's requirements are contained in the CEC's Environmental Impact Report (EIR) and certification, staff needs copies of all correspondence between the applicant and the District in a timely manner to stay up to date on any issues that arise prior to completion of the environmental document.

**DR AQ-6.** If two internal combustion engines driving emergency generators will be used, please provide a completeness determination letter from the SCAQMD confirming that the application submitted to the District has been deemed complete.

**DR AQ-7.** Please provide tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.

**DR AQ-8.** Please provide the name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for CEC staff.

## **GREENHOUSE GAS EMISSIONS (CLIMATE CHANGE)**

According to Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) a project can not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Staff needs more details on how the project would reduce GHG emissions.

**DR GHG-1.** Has the project applicant explored the procurement of renewable diesel for the emergency backup generators as a means of demonstrating consistency with the State of California's goal of carbon neutrality? If not, why not?

Section 4.1 does not discuss whether the proposed circuit breakers and gas-insulated switchgear would contain sulfur hexafluoride (SF<sub>6</sub>). According to the California Code of Regulations, title 17, section 95350 through 95359.1, which became effective on January 1, 2022, starting on the applicable phase-out dates, no person may acquire SF<sub>6</sub> gas-insulated equipment (GIE) for use in California unless certain provisions apply.

**DR GHG-2.** Please confirm whether or not the project would use SF<sub>6</sub> in the circuit breakers and/or gas-insulated switchgear.

**DR GHG-3.** If the project is proposing to use SF<sub>6</sub>, please describe how the project would comply with the phase-out provisions.

Staff needs to better understand the direct and indirect GHG emissions associated with the battery energy storage system (BESS). If grid power is used to charge the BESS, staff needs to know the indirect GHG emissions associated with the loss in round-trip efficiency for charging/discharging and GHG emission intensity from the electrical grid during charging. Staff also needs to better understand the GHG emissions associated with BESS cooling.

**DR GHG-4.** Please provide the loss in round-trip efficiency for the charging/discharging cycle, and the GHG emission intensity factor during charging.

**DR GHG-5.** Please clarify whether GHG emissions will be associated with the BESS cooling. If the emissions are expected, please provide the estimated amounts of these GHG emissions.

## **ALTERNATIVES**

**DR ALT-1.** California Code of Regulations, title 20, Division 2, Chapter 5, Appendix B (f)(1) requires that in accordance with Public Resources Code section 25540.6(b), the application shall include 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 5, Alternatives, describes 17 sites that were considered in the analysis. The site selection discussion describes 17 potential sites. However, the

two figures included in the section (Figures 5-1A and 5-1B) only include 15 sites, with site 14 being shown twice. Please revise the figures showing the location of all 17 sites.

## **BIOLOGICAL RESOURCES**

**DR BIO-1.** Please provide copies of the following reports, if previously produced: rare plant survey report(s), least Bell's vireo report(s), jurisdictional delineation report(s). Staff is primarily interested in the full survey methodologies and survey areas used for each, the specific list of rare plants that were targeted in the rare plant survey, and the delineation data sheets completed for the jurisdictional delineation surveys.

The methodologies provided state that the species considered in the analysis included species from a California Native Plant Society (CNPS) Rare Plant Inventory query and the list of species covered by the Natural Community Conservation Plan/Habitat Conservation Plan (NCCP/HCP) for the Central-Coastal Subregion of Orange County.

**DR BIO-2.** Please provide reasoning for not including the following federally and/or state listed or delisted species from the assessment:

- a. California Orcutt grass (*Orcuttia californica*) FE/SE/1B.1 – from CNPS query
- b. American Peregrine falcon (*Falco peregrinus anatum*) FD/SD – NCCP/HCP species
- c. Quino checkerspot butterfly (*Euphydryas editha quino*) FE – NCCP/HCP species

**DR BIO-3.** The following in-text citations do not appear to be included in the references list. Please provide the full reference for each of the following citations:

- CPA 2024 - California Protected Area Database and California Conservation Easement Database mapping tools, cited in Section 4.2.1.2 p. 4.2-2
- Dudek 2021 - JD report, cited in Section 4.2.1.2.1 p. 4.2-2
- Dudek 2023 - JD report, cited in Section 4.2.1.2.1, p. 4.2-2
- CPAD 2024 - California Protected Area Database, cited in Section 4.2.1.2.2, p. 4.2-3
- CCED 2024 - California Conservation Easement Database, cited in Section 4.2.1.2.2, p. 4.2-3
- USFWS 1979 - Federal Endangered Species Act, cited in Section 4.2.1.4, p. 4.2-8
- USFWS 2000 - Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed, and Candidate Plants, cited in Section 4.2.1.7.1, p. 4.2-15
- CDFG 2005 - regarding yellow-breasted chat, cited in Section 4.2.1.7.2. p. 4.2-16
- Snyder 2012 - Cota de Caza in-lieu fee program, Section 4.2.5.3.3, p. 4.2-36
- CDFW 2021 - App C1 and App C2, throughout
- CCH 2021 - App C1 throughout

**DR BIO-4.** The presence of Critical Habitat and potential for impacts to southern

steelhead (an Endangered Species Act and California Endangered Species Act (CESA) listed species) half a mile downstream was not discussed. Please provide a discussion of southern steelhead and its critical habitat.

**DR BIO-5.** Does Figure 4.2-1 include data from both the 2021 jurisdictional survey and the 2023 survey? The source notes on the figure only cite Dudek 2021. Please clarify.

**DR BIO-6.** Please specify the extent of riparian habitat that will need to be removed to allow for the installation of overhead lines traversing Oso Creek and describe whether equipment would need to be operated within the California Department of Fish and Wildlife (CDFW) jurisdictional limits of the stream. California Fish and Game Code section 1602 requires CDFW to be notified prior to beginning any activity that may do one or more of the following:

- Divert or obstruct the natural flow of any river, stream, or lake;
- Change the bed, channel, or bank of any river, stream, or lake;
- Use material from any river, stream, or lake; or
- Deposit or dispose of material into any river, stream or lake.

Please note that "any river, stream, or lake" includes those that are dry for periods of time as well as those that flow year-round. A CDFW Lake and Streambed Agreement (LSAA) covers bank to bank, which is typically beyond the standard of the Army Corps of Engineers (beyond ordinary high-water mark).

Please notify CDFW to determine if an LSAA will be required, and if so, provide the information necessary for issuance of the LSAA by the CEC as part of the project's certification (per Cal. Code Regs., tit. 20, § 1877 (a)).

**DR BIO-7. [Reserved]**

**DR BIO-8.** The application is unclear as to whether backup power generators would be included as part of the project. If the project would include backup power generators, please provide the following:

- a. Aerial map of the isopleth graphic depicting modeled nitrogen deposition rates per Appendix B (g) (13) (B) (ii).
  - i. The geographical extent of the nitrogen deposition map(s) should include the entire plume from the source, specifically identifying acres of sensitive habitat(s) within each isopleth Modeling parameters and please provide the GIS shapefiles.
- b. Nitrogen deposition modeling and the complete citations for references used in determining deposition rates and locations per Appendix B (g) (13) (C) (iii).
- 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.

The application did not clearly state if the applicant is seeking incidental take authorization as described in Fish and Game Code section 2081(b). Will the applicant be applying for incidental take authorization for take of any CESA-listed species? As included in Appendix 4.2 in the application, Crotch's bumble bee, a CESA-candidate species, was determined to have a low potential to forage on the project site; however, an assessment of nest site habitat was not included and the candidate bumble bee species are known to use a variety of underground cavities including small mammal burrows. Should a bumble bee nest be detected during pre-construction surveys on the project site, work would be paused until take authorization could be granted.

**DR BIO-9.** If seeking an incidental take authorization, please provide the following information as outlined by CDFW (<https://wildlife.ca.gov/Conservation/CESA/Permitting/Incidental-Take-Permits>) including, but not limited to:

- a. Common and scientific names of the species to be covered by the incidental take permit (ITP) and the species' status under CESA.
- b. A complete description of the project or activity for which the permit is sought.
- c. The location where the project or activity is to occur or to be conducted.
- d. An analysis of whether and to what extent the project or activity for which the permit is sought could result in the taking of species to be covered by the permit.
- e. An analysis of the impacts of the proposed taking on the species.
- f. An analysis of whether issuance of the ITP would jeopardize the continued existence of the species. A complete, responsive jeopardy analysis shall include consideration of the species' capability to survive and reproduce, and any adverse impacts of the taking on those abilities in light of:
  - i. Known population trends;
  - ii. Known threats to the species; and
  - iii. Reasonably foreseeable impacts on the species from other related projects and activities.
- g. Proposed measures to minimize and fully mitigate the impacts of the proposed taking.
- h. A proposed plan to monitor compliance with the minimization and mitigation measures and the effectiveness of the measures.
- i. A description of the funding sources and the level of funding available for implementation of the minimization and mitigation measures.

The discussion of permanent and temporary direct and indirect impacts to sensitive habitat types located along Oso Creek, special-status wildlife species known to be present or having moderate to high potential to occur, and CDFW-jurisdictional riparian habitat is insufficient.

The impact analysis states that there would be no vegetation removal from the mulefat

thickets or cottonwood-willow riparian woodland present along Oso Creek resulting from construction or operation of the project. However, vegetation trimming is anticipated to be required for maintaining appropriate clearances away from the overhead transmission lines traversing Oso Creek.

**DR BIO-10a.** Please provide vegetation trimming impact calculations of each of the sensitive habitat types and CDFW-jurisdictional riparian habitat along Oso Creek and provide an appropriate mitigation measure(s) to address impacts to sensitive habitat types and special-status species that are present or may occur there.

The discussion of impacts to special-status wildlife species identified as present or having a moderate to high potential to occur did not include orange-throated whiptail, a CDFW Watch List species, but did include California horned lark, also a CDFW Watch List species although both were identified as having a moderate potential to occur on the project site.

**DR BIO 10b.** Please provide an assessment of impacts to this species and corresponding mitigation measure(s).

**DR BIO-10c.** Are the Best Management Practices (BMPs) listed on page 4.2-29 meant to be part of a mitigation measure? Similar question for the Environmental Awareness Training discussed on page 4.2-30. If so, please reformat and clearly include these as mitigation measures.

**DR BIO-10d.** Please provide a mitigation measure for the minimization measure to implement the Decommissioning Plan for site restoration upon decommissioning of the project. Clearly state who the responsible parties are and what specific items are to be included in the Decommissioning Plan, including appropriate reporting.

## **CULTURAL AND TRIBAL CULTURAL RESOURCES**

**DR CUL/TRI-1.** The application does not mention the completion of a historic architectural survey. Please update this section to include historic architectural methodologies, assumptions, results, etc. in accordance with CCR, title 20, section 1704, (a) (3) (A).

**DR CUL/TRI-2.** A discussion of the major studies or research efforts undertaken and relied upon to provide information regarding historic architectural resources for the application was not provided. Please provide this information in accordance with CCR, title 20, section 1704, (a) (3) (B).

**DR CUL/TRI-3.** The application does not provide a discussion of indirect impacts to cultural and tribal cultural resources, a discussion of direct and indirect impacts associated with project maintenance activities, nor an explanation of the effectiveness of the proposed mitigation. Additionally, a description of the approach used to develop the cumulative setting for the proposed project is not provided. This requested information will also need to incorporate the results of a historic built

environment survey. Please provide this information in the application.

**DR CUL/TRI-4.** The application does not specifically address the potential for buried tribal cultural resources nor is there any explanation about how the results of the record search and literature/archival research was used to inform the pedestrian survey methods. Please provide this information.

**DR CUL/TRI-5.** Identify the individuals responsible for the records searches and whether they meet the Secretary of the Interior's standards for cultural resource professionals.

**DR CUL/TRI-6.** Please describe efforts to identify any cultural resources listed or recognized by a city, county, or local historical and archaeological societies or museums.

**DR CUL/TRI-7.** The following previous cultural resource studies are cited in Section 4.3, Cultural Resources, Table 4.3-1, but copies of them are not included in the confidential cultural resources filings provided with the application. Please provide copies of these studies or explain why they do not need to be part of the application:

- a. Desautels, Roger J. 1979. OR-00464
- b. Schroth, Adella and Constance Cameron. 1983. OR-00653
- c. Sorenson, Jerrell H. 1990. OR-01011
- d. Whitney-Desautels, Nancy A. 1991. OR-01104
- e. Bissell, Ronald M. and Jeanette A McKenna. 1992. OR-01237
- f. Demcak, Carol R. 2001. OR-02426
- g. Cavani, Daniel and Brian Willams. 2018. OR-04588

**DR CUL/TRI-8.** The application states that the pedestrian survey was of the Area of Direct Impact (ADI) only. Please clarify as to whether the ADI incorporated an area extending to no less than 200 feet around the project site, and to no less than 50 feet to either side of the right-of-way of project linear facility routes per Appendix B (g) (2) (C). If not, these areas will need to be surveyed and the results incorporated into the application and a future technical report. Additionally, please provide a Phase 1 Cultural Resource Compliance Report, in compliance with ARMR guidelines and Appendix B (g) (2) (C), incorporating the results of an extended archaeological survey (200 feet around the project site, and to no less than 50 feet to either side of the right-of-way), as needed. Within said report, please clarify how the vertical ADI of 60 feet below ground surface was established.

**DR CUL/TRI-9.** No historic architectural survey was conducted for the project. A new historic architectural survey is needed. Regarding the as yet to be defined

architectural or built environment study area, it is suggested by CEC staff that the eastern study area boundary should be the I-5 Freeway but not including the I-5 Freeway, the northern boundary should be all properties owned by Saddleback Church, the western boundary should be the base of the hills on properties owned by Saddleback Church, and the southern boundary should be no less than 500 feet south of the battery installation location. The survey, recordation, and evaluation must be completed by a Secretary of the Interior-qualified historian or architectural historian and incorporated into a cultural resources technical report, in compliance with ARMR guidelines and Appendix B (g) (2) (C).

Please include tables listing all 45+ year old features surveyed and evaluated, 45+ year old features eliminated from consideration due to age, alterations etc., and features less than 45 years old recorded or eliminated from recordation in consideration of their exceptional significance or lack thereof.

**DR CUL/TRI-10.** Preliminary research conducted by CEC staff suggests that the following linear and built environment features are historic in age and in the project area. Please determine whether these linear and built environment features are historic in age. If so, these features need to be added to the cultural resources technical report, recorded on the appropriate DPR 523 forms, and evaluated for significance under the California Environmental Quality Act.

- a. The adjacent Oso Creek flood control channel
- b. The adjacent Metrolink Railroad alignment
- c. A north-south-trending powerline immediately adjacent to and to the west of Camino Capistrano
- d. The Camino Capistrano roadway alignment
- e. The adjacent SDG&E Trabuco to Capistrano 138 kilovolt (kV) transmission line and another smaller distribution line adjacent to the Camino Capistrano roadway alignment.
- f. Various 45+ year old roads and trails on the Saddleback Church property
- g. The Petitfils Ranch residence (built circa 1937), historically located at 2925 Camino Capistrano
- h. The residence located on the hill at the northern end of the Saddleback Church property, known variously as the Brokaw Ranch residence, Loughridge Residence, and the principal office of the Crean Ranch Foundation
- i. Consultation of historic aerials indicates that several other previously unidentified built environment features including a lake, a semi-circular patio, a possible filled-in swimming pool, and the Saddleback Church Rancho Capistrano building itself may be 45+ years old
- j. Finally, the Multi-Purpose Bathgate Ranch Building likely requires reevaluation as

it has been altered by recent remodeling in 2023. This property shall be evaluated by a Secretary of the Interior-qualified architectural historian.

**DR CUL/TRI-11.** Include in the cultural resources technical report 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).

**DR CUL/TRI-12.** Please include the professional qualifications for David Alexander and Brenda Rogers, as well as the qualifications of a Secretary of the Interior-qualified architectural historian, any others responsible for completing the missing architectural/built environment survey, and the as-needed extended archaeological survey (200 feet around the project site, and to no less than 50 feet to either side of the right-of-way) in the newly completed cultural resources technical report.

**DR CUL/TRI-13.** Please provide a copy of all correspondence the applicant sent to those individuals listed on the Native American Heritage Commission Contact List for Orange County and copies of all responses, including a written summary of oral responses.

**DR CUL/TRI-14.** Please update or revise the mitigation measures in the application, as needed, once an extended archaeological survey (200 feet around the project site, and to no less than 50 feet to either side of the right-of-way) and historic architectural survey have been completed, as necessary.

**DR CUL/TRI-15.** Please describe the educational program(s) to increase employee awareness of cultural resources protection during construction and operation and incorporate this into the mitigation measures for the project.

**DR CUL/TRI-16.** Please provide a table of LORS with 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.

**DR CUL/TRI-17.** The application states that no permits are required; however, Section 4.3, p. 4.3-19 states "the Project will be coordinating with US Army Corps of Engineers and any other federal permitting entities to ensure that permit processing is completed in accordance with the requirements of Section 106."

Please provide a table with an updated list identifying agencies, jurisdictions, etc., in accordance with Appendix B (i) (1) (B).

**DR CUL/TRI-18.** Please provide phone numbers and titles for the agency contacts in the application, per Appendix B (i) (2).

**DR CUL/TRI-19.** The application does not describe required permits outside the authority of the CEC, nor does the application include a schedule for obtaining the necessary permits. Please provide a permit schedule, per Appendix B (i) (3).

## **EXECUTIVE SUMMARY**

The application includes resumes for biological and cultural resources preparers but does not identify the report person(s) responsible for the other subject areas.

**DR ES-1.** Please identify the person or persons responsible for the preparation of each principal subject area.

Appendix B (a) (1) (D) requires a full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction. A full-page photographic reproduction before construction and simulation or artists rendering of the site after construction with the project components were not provided.

**DR ES-2.** Please provide a full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction. This should clearly show the project site, including all project components, with existing and proposed conditions and should not be from the Interstate 5 vantage point. It should be a closer vantage point such as the access road entrance into the BESS facility.

Appendix 1B in the application includes the owners' mailing addresses for parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities. However, it does not clearly identify the occupants' addresses contiguous to the proposed power plant, related facilities, transmission lines or other linear facilities.

**DR ES-3.** Please provide the direct mailing addresses for 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. If the property does not have a street address and/or is not occupied, please identify it as such.

## **HAZARDOUS MATERIALS HANDLING**

A discussion of aviation hazards related to the project being within an airport land use plan or within 2 miles of a public or public use airport is required. However, airports and aviation hazards are not mentioned.

**DR HAZ-1.** Please provide a discussion of whether the project site is within an airport land use plan or within 2 miles of a public use airport and any resultant impacts and mitigation.

Mitigation measures for the construction phase of the project are discussed in Section 4.5, Hazardous Materials Handling, Subsection 4.5.4.1. However, it does not include a discussion of how the required Hazardous Materials Business Plan (HMBP) and Spill Prevention Control and Countermeasure (SPCC) would reduce impacts related to the use of hazardous materials during project construction.

**DR HAZ-2.** Please provide a discussion/summary of how the HMBP and SPCC would reduce the risk of adverse effects due to hazardous material use and storage during project construction.

Table 4.5-1 indicates that gasoline would not be stored onsite during construction or operation but would be used for some construction equipment and vehicles. Section 2, Project Description, Subsections 2.3.5, 2.4.2, 4.5.1.2.1, and Appendix 4.5B in the application note that limited amounts of gasoline would be stored or used onsite during construction and operation.

**DR HAZ-3.** Please provide clarification about the potential use and storage of gasoline onsite, and anticipated volumes and storage locations.

Table 4.5-1 provides a brief summary of the toxicity of battery electrolyte and notes that under normal conditions the batteries do not exhaust vapors. However, if the batteries are damaged or exposed to high temperatures, the batteries could produce toxic vapors.

**DR HAZ-4.** Please provide a discussion of the toxic vapors that could be produced if a battery is damaged, or thermal runaway occurs.

Neither Section 4.5 or subsection 4.5.2.4 provide any information or discussion of the potential for spill or leaks of hazardous materials stored or used onsite during operation or construction, or measures/procedures that would be used to reduce the risk of spills or releases.

**DR HAZ-5.** Please provide a discussion of the potential for hazardous materials spills or leaks from hazardous materials used and/or stored onsite during operation or construction, and measures/procedures that would be used to reduce the risk of spills or releases and resulting adverse effects to people and the environment.

Section 4.5.4.1 indicates that fire and explosion hazards and mitigation measures are discussed in Section 4.5.2.4.1.1, however such a subsection does not exist. Section 4.5.4.2 includes a brief discussion of Fire Code provisions to reduce fire risk and

indicates that a detailed discussion is provided in Section 4.17, Wildfire and Fire Protection. Both Section 4.17 and Appendix 4.17A in the application provide detailed discussion of fire risk, fire prevention, and wildfire. However, no discussion of explosion risk is provided in either.

**DR HAZ-6.** Please provide a discussion of explosion risks related to construction and operation of the project and any necessary mitigation measures.

In Table 4.5-2 on p 4.5-13, under Health and Safety Code, Section 25270 through 25270.13 (Aboveground Storage Tank Act) it notes that an SPCC plan would be prepared if required. However, Table 4.5-1 indicates that over 5,000 gallons of diesel fuel would be stored in aboveground tanks during construction and operation, which would trigger the requirement to prepare an SPCC, and Subsection 2.4.2 indicates that a spill control and countermeasures plan would be developed.

**DR HAZ-7.** Please provide a discussion of applicability of the SPCC for both construction and operation and a copy of a draft SPCC with inclusion of procedures to prevent spills and releases and for notification and cleanup should a spill or release occur.

No information was provided about whether any agencies or people were contacted regarding hazardous materials and any contact information if any were contacted.

**DR HAZ-8.** Please provide names and associated contact information for any officials/agencies that were contacted for hazardous material and hazards information related to the preparation of Section 4.5.

## **LAND USE**

As required per Appendix B (g) (1), Section 4, Environmental Analysis in the application, provides a discussion of potential cumulative impacts. Table 4-1 lists 37 projects within the county for consideration as to the possibility of creating cumulative impacts. The approximate location of these projects is shown in Figure 4-1. Unfortunately, project #14, Industrial Housing Overlay, is not included in the legend or on the map. Table 4-1 indicates that this proposed Residential Overlay Zone could be a large area that would allow very high density residential.

**DR LAND-1.** Please add item 14 to the legend and to Figure 4-1.

Appendix B requires 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 (Appendix B (g) (3) (A) (iv)). Staff's data requests DR LAND-2 to DR LAND-5 are based on a review of plans in Appendix 2A in the application and Figure 2-1 in Section 2, Project Description.

Regarding the project access road, the Project Site Plan indicates a 30-foot-wide paved access road within a 38-foot-wide easement. However, the legend in the General Arrangement drawing (CMP-SE-101) in Appendix 2A in the application indicates a 20-foot-wide access road. Section 2, Project Description, Figure 2-1 Site Plan, indicates the location of the project access road on the east edge of the Saddleback property. The figure indicates the access road would cross through a location currently occupied by multiple structures situated approximately 1,000 feet north of the project site. The figure also indicates the access road would pass through a tree row along the east edge of the Saddleback property.

**DR LAND-2.** Please confirm the width of the access road, amend the text describing the project, and revise Figure 2-1 and the Project Site Plan and General Arrangement drawings in Appendix 2A in the application as necessary. Please confirm whether the project access road begins before the Saddleback Church gate and guardhouse is reached from Camino Capistrano Road and describe how access to the access road will be controlled, including where any gates would be located. Regarding existing structures through which the access road would pass, please explain the current use of these structures and identify whether the structures would be removed and whether their functions would be replaced, by whom, and at what location. Regarding trees located along the access road route, identify any that would be removed and if removed whether and how they would be replaced.

Section 2, Figure 2-1, indicates a 20-foot tall "Visual Screening Fence" along the east side of the Battery Storage Yard component of the project site, but not along the adjacent Switch Yard. In Subsection 4.6, Land Use, in Table 4.6-1, under Project Consistency for Policy 7.1 (p. 4.6-10), it is stated that "The Project will also be screened by a landscape buffer and 20-foot-tall screening fence." Subsection 4.6, Table 4.6-1 (at Goal 7) states that "The Project will also incorporate a 20-foot-tall visual screen comprised of non-combustible lattice and faux ivy."

**DR LAND-3.** Please describe the extent of the 20-foot-tall screening fence and confirm whether it would screen the switch yard. Also describe what structures would be required to ensure stability of the screening fence, what material would be used to construct the lattice work of the fence, the approximate size of voids in the lattice work, the material and expected life of the faux ivy and how it maintains its appearance with exposure to sun and rain, and whether the faux ivy would be combustible. Please revise Figure 2-1, the Project Site Plan and General Arrangement drawings in Appendix 2A in the application, and the Conceptual Landscape Plan in Appendix 2B in the application, as necessary.

Figure 2-1 indicates in the legend a Relocated Equestrian Trail but does not show it on the figure. The Project Site Plan drawing in Appendix 2A of the application indicates the trail location. Section 4.6, Land Use identifies an existing North Open Space Trail. The San Juan Capistrano General Plan Conservation and Open Space Element, Figure COS-

3, indicates a trail along what appears to be the same route as the proposed access road for the project. Table 4.6-1 at Goal 4 (p. 4.6-9) states that "The Project would completely avoid Oso Creek (transmission pole would be sited outside the creek area) and the recreational trail would be maintained."

**DR LAND-4.** Please show the location of the Equestrian Trail on Figure 2-1 and the Project Site Plan, including the relocated section and the balance of the trail in the project vicinity. Please confirm whether the relocated Equestrian Trail and the North Open Space Trail are the same trail. Also identify what entity, if any, maintains the trail.

Appendix B (g) (3) (D) requires 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.

Subsection 4.6.2.2.3 in the application discusses conversion of farmland identified in the Farmland Mapping and Monitoring Program, but does not identify current agricultural land uses. At page 4.6-11 the text states: "The Project site does not include any agricultural uses, animal grazing or any form of agricultural business." Subsection 6.4, Figure 4.6-3, identifies Farmland Mapping and Monitoring Program designations but not agricultural uses. Comparing Section 2, Figure 2-1, with images on Google Earth, it appears that the proposed project would displace what appears to be an area with produce cultivation beds as well as grazing land.

**DR LAND-5.** Please confirm whether there is any active agriculture or cultivation being practiced within any areas affected by the proposed project, including the type of agricultural practice and whether and where it may be relocated.

With limited exceptions, the CEC's certificate (license) is in lieu of any state, county, regional, or city agency permit that would otherwise be required for the siting, construction, and operation of an opt-in project, and supersedes any applicable law, ordinance, regulation, or standard of these agencies. (Pub. Res. Code § 25545.1(b).)

Appendix B (i) (1) (A) requires the application to include tables that identify laws, regulations, ordinances, standards (LORS), 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. The CEC staff needs this information for a complete analysis of the project, including an assessment of whether the project would conform to applicable LORS, and meet the requirements of permits that would ordinarily be required. The CEC can approve a facility that does not conform, but must first attempt to resolve the non-conformance. The opt-in time constraints require early action to verify conformance with each applicable LORS and permit.

Although Subsection 4.6.5 in the application identifies applicable LORS related to Land Use, the application does not contain a discussion of how the project would conform with them or explicitly reference places in the application where conformance is discussed. Table 4.6-2 (page 4.6-13) or referenced text in the application do not identify discretionary and non-discretionary permits and approvals that, but for the exclusive authority of the CEC, would be required to construct and operate project facilities, along with information how the project would conform. This is a consistent deficiency across all LORS subsections within Section 4 Environmental Analysis of the application.

Appendix B (i) (1) (B) has a parallel requirement to identify each agency with jurisdiction to issue applicable permits and approvals or would have enforcement authority, but for the exclusive authority of the CEC to certify sites and related facilities.

Appendix B (i) (2) requires 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 CEC staff.

Subsection 4.6.6 identifies that "Applicable permits and agency contacts for *soils...*" (emphasis added) are shown in Table 4.6.3 (mislabeled as Table 4.16.3)

**DR LAND-6.** Please provide the following details:

- a. For all LORS subsections within Section 4 Environmental Analysis of the application, provide a table or tables with discussions and documentation demonstrating how the project would conform with all applicable laws, regulations, ordinances, standards, adopted local, regional, state and federal land use plans, leases, and permits. For local, regional, and state agency permits that would otherwise be required, but for the CECs exclusive jurisdiction, provide all the necessary information that would be included in an application for a discretionary or ministerial permit. For ministerial permits like encroachment permits, provide sufficient information for CEC staff to independently verify whether the project would meet all conditions for issuance of the ministerial permits.
- b. Provide tables that identify each agency that, but for the CEC's exclusive authority to certify sites, would have jurisdiction to issue permits and approvals or to enforce laws, regulations, standards, and adopted land use plans.
- c. Provide a table with the required contact information identified in Appendix B (i) (2) for all agencies listed in the table required by paragraph b. above.
- d. Please correct the reference to soils and the table number (shown as table 4.16-3) at page 4.6-15.

Appendix B (i) (3) requires a schedule indicating when permits outside the authority of the CEC will be obtained and the steps the applicant has taken or plans to take to

obtain such permits. Subsection 4.6.7 identifies that no permits are required except for CEC approvals.

**DR LAND-7.** Please confirm that no permits or approvals of other agencies beside the CEC are required, such as any federal permits. If such permits are required, provide a schedule of permits required that are outside the authority of the CEC and what steps have been or are planned to be taken to obtain such permits or approvals. If a schedule is provided elsewhere in the application, it can be cross-referenced in Section 4.6.7.

## **NOISE**

In Section 4.7, Noise, both noise monitoring locations ST-2 and LT-2 represent the same noise-sensitive receptors, however the noise measurements recorded for ST-2 and LT-2 do not match each other (see Tables 4.7-4 and 4.7-5). In other words, the average noise levels for the same hour of the day recorded in these tables have a wide discrepancy.

**DR NOISE-1.** Please address the discrepancy between Tables 4.7-4 and 4.7-5 for the same hour of day recorded and clarify which set of measurements are correct.

## **PROJECT DESCRIPTION**

Appendix 1A in the application includes figures that show the project site but does not include adequate information regarding the county, township, range, and sections.

**DR PD-1.** Please provide a map 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, showing the proposed final locations and layout of the power plant and all related facilities.

Appendix 2A in the application includes a 138/34.5KV Switch Yard Elevation View (Drawing # CMP-SE-121), and a Battery Yard Elevation View (Drawing # CMP-SE-122) but does not provide adequate detail.

**DR PD-2.** Please provide elevation drawings that identify the heights of all the tall structures (e.g., H-frames and poles) for both the project substation and the SDG&E switch yard, and include the transmission line poles and dead end structure. Structures and heights should correspond to what has been presented in the visual simulations and Table 4.13-3 (Characteristics of Primary Project Components) or specify the differences.

Section 2, Project Description, does not include a description of the proposed realignment of the existing North Open Space Trail that is referenced in Section 4.6 Land Use. *"As described in Section 2, the Project would realign the existing North Open*

*Space Trail to avoid conflicts with the Project site. The North Open Space Trail would be relocated approximately 500 feet to the west as part of the Project. The only improvements within the portion of the Church property designated as General Open Space includes the access road, and a small portion of the northeast corner of the Project.”* There is currently no discussion of the proposed realignment in Section 2.

**DR PD-3.** Please provide a figure identifying the existing and proposed location of the North Open Space Trail.

**DR PD-4.** Please add a description of the proposed realignment of the existing North Open Space Trail to the project description including associated construction activities.

**DR PD-5.** Please identify in the project description if the realignment would result in a temporary disruption of access to a portion of the trail and if so, the potential duration of any restrictions to access.

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 application did not include a photographic reproduction showing a representative above ground section of the transmission line route prior to construction or a reproduction after construction.

**DR PD-6.** 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.

## **PUBLIC HEALTH**

In Section 4.9, Public Health, Subsection 4.9.2.2, the applicant conducts a HARP2 Health Risk Assessment during construction; however, the application does not include a map showing the locations of the sensitive receptors.

Table 4.9-2 provides the maximum individual cancer risk and chronic hazard index for both the residential and worker receptor. Section 4.6 mentions that the North Open Space Trail would be relocated approximately 500 feet to the west as part of the project and section 2.1 states that the project site is adjacent to the Saddleback Church Rancho Capistrano. Staff needs to better understand the receptor locations and impacts at those locations. In addition to Maximally Exposed Individual Resident (MEIR) and Maximally Exposed Individual Worker (MEIW) receptors, staff will also need the locations and impacts for the nearest School/Daycare (MESR/MEDR) and Recreational (MERR) receptors, and any other sensitive receptors near the project site (e.g., church).

**DR PH-1.** Please provide a map showing sensitive receptor locations for MEIR, MEIW, MESR/MEDR, and MERR, including the distance from the project boundary.

Section 4.1.2 states that the proposed project would not include any permitted sources such as an emergency generator or other emissions unit. However, in Section 4.9, the applicant states that "air will be the dominant pathway for public exposure to chemical substances released by proposed Project. Emissions to the air will consist primarily of combustion by-products produced by two internal combustion engines driving emergency generators." Staff requires more information about these engines and emergency generators, and whether or not they will be part of the project.

**DR PH-2.** If the generators will be utilized for the project, please include their emission rates and engine manufacturing specification sheets, and Health Risk Assessment to demonstrate the project impacts would be less than significant at the sensitive receptor locations identified in DR PH-1.

As mentioned above, it is unclear whether the project is proposing the use of emergency generators. For the CEC's jurisdiction and in lieu authority set forth in Public Resources Code section 25545.1(b)(1), any state or local air quality permit that would have been issued from the South Coast Air Quality Management District will be incorporated into the CEC's certification. To assist the District in reviewing the project, the applicant should submit the necessary information to the District. To ensure the District's requirements are contained in the CEC's EIR and certification, staff needs copies of all correspondence between the applicant and the District in a timely manner to stay up to date on any issues that arise prior to completion of the environmental document.

**DR PH-3.** Please provide tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the CEC to certify sites and related facilities.

**DR PH-4.** Please provide the name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for CEC staff.

## **SOCIOECONOMICS**

Appendix B(g) (1) requires a discussion of the existing site conditions and the expected direct, indirect, and cumulative impacts due to the construction, operation, and maintenance of the project. In Subsection 4.10.3, Cumulative Effects, of the application, the statement is made, "Although the various projects may require a similar set of skills, local labor unions have indicated that there is a sufficient supply of skilled labor in Orange County to support the Project."

**DR SOCIO-1.** Please provide a citation/reference for that statement. Also, provide a copy of any applicable record of conversation.

Appendix B (g) (1) also requires the applicant to “include any reference materials used such as general plan or other adopted local, regional, or statewide plan.” The following URLs provided in the Reference section do not seem to work.

**DR SOCIO-2.** Please provide corrected URLs for the following:

- a. City of San Juan Capistrano. General Fund Summary, Fiscal Year Budget 2022-23
- b. City of San Juan Capistrano. General Fund Summary, Fiscal Year Budget 2021-22
- c. City of San Juan Capistrano. General Fund Summary, Fiscal Year Budget 2020-21
- d. State of California Employment Development Department. Labor Market Information Division. Current Employment Statistics (CES)
- e. State of California Employment Development Department. Labor Market Information Division. Local Area Unemployment Statistics (LAUS)

Appendix B (g) (7) (A) (i) requires a list of the applicable local agencies with taxing powers and their most recent and projected revenues.

**DR SOCIO-3.** Please provide data to address the most recent and projected revenues and whether the proposed project would have an effect on revenues including direct and indirect effects.

Appendix B (g) (7) (A) (ii) requires the identification of social characteristics, including population and demographic and community trends. Historical data and projected population data is provided for Orange County and California.

**DR SOCIO-4.** Please provide similar data for the city. Using this data, please provide average annual compounded growth rates (rather than direct percentage change). Please also provide a brief discussion or conclusions pertaining to anticipated changes in social characteristics, including population, demographic, and community trends during the timeframe associated with construction and operation of the proposed project including any direct or indirect effects.

Appendix B (g) (7) (A) (iv) requires an analysis of the availability of skilled workers by occupation (or crafts) required for construction and operation of the project.

**DR SOCIO-5.** Please confirm whether the citation for Tables 4.10-5 and 4.10-6 (CEDD) is referring to “State of California Employment Development Department.” Also, provide a date in the references so the correct reference is known. If that is not the correct reference, provide a reference for that citation.

Also, please provide a list of the various crafts that would be required to construct the project (e.g., construction equipment operators, construction laborers, electricians, etc.). Using the data, please provide a brief discussion about the availability of the county workforce to construct the project.

## **TRAFFIC AND TRANSPORTATION**

**DR TRANS-1.** Provide a map of the major transportation facilities (streets, rail, bus lines) in the area, covering approximately a five-mile radius from the site.

**DR TRANS-2.** Provide measures to reduce auto trips by construction workers. Please consider and respond regarding measures such as carpool matching and/or a shuttle from the Laguna Niguel/Mission Viejo Metrolink Station that is a mile from the site.

**DR TRANS-3.** Provide a map of all the roadways, bus lines, and rail lines proximate to the site (approximately a one-mile radius), including any proposed new access roads for the site.

The analysis assumes that 80 percent of the construction worker trips and 100 percent of the construction-related truck trips would come from the north on Camino Capistrano. All of these trips would travel through the Camino Capistrano/Avery Parkway intersection, which is already significantly congested during peak periods.

**DR TRANS-4.** Extend the level of service (LOS) analysis to cover the Camino Capistrano/Avery Parkway intersection and report the results with the addition of project-generated traffic.

**DR TRANS-5.** Provide a map that shows the truck routes and any weight restrictions within one mile of the project site.

**DR TRANS-6.** Provide the basis for concluding that 80 percent of construction worker trips and 100 percent of construction-related truck trips would come from the north.

**DR TRANS-7.** Clarify how southbound truck trips on Camino Capistrano would safely make a right turn from the through lane, as indicated in Figure 4.12.6.

**DR TRANS-8.** Provide the estimated trip lengths for construction workers, and the basis for the estimate.

It is not clear how the project access would be derived from the existing private road controlled by the Saddleback Church. The Project Description, Figure 2.1, Site Plan indicates that a new road would be constructed adjacent to the creek and eliminate approximately six structures.

**DR TRANS-9.** Provide a detailed map and description of the width and alignment of the access road.

**DR TRANS-10.** Indicate the quantity, frequency, and contents of any hazardous materials that would be hauled to/from the project site during construction and operation.

**DR TRANS-11.** Indicate whether any relevant government officials were contacted to-date and provide contact information for all agencies listed in Section 4.12.5, along with the name and contact information for each agency official the applicant has contacted.

### **TRANSMISSION SYSTEM SAFETY AND NUISANCE**

Appendix B (g) (18) (B) requires an estimate of the existing electric and magnetic fields from existing switchyards and overhead and underground transmission lines that would be affected by the proposed project and the future electric and magnetic fields (EMF) 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 required is an estimate of the radio and television interference that could result from the project. No EMF estimates or radio and television interference from the project were provided.

**DR TSSN-1.** Please provide the EMF values beneath the 138 kV transmission loop-in lines.

**DR TSSN-2.** Please estimate the radio and television interference that could result from the project.

### **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 provide one-line diagrams for the project substation. 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 one-line diagrams for the proposed SDG&E switchyard. Show all equipment ratings including bay arrangement of the breakers, disconnect switches, buses, and other equipment. Show the interconnection to the existing SDG&E transmission system and the project substation.

**DR TSD-3.** Please provide the pole configuration. Indicate the number of poles required to support the overhead generator tie-line and the 138 kV loop-in transmission lines.

**DR TSD-4.** Please provide the gen-tie conductor type, size, and current carrying capacity.

**DR TSD-5.** The applicant provided the Appendix A of the Cluster 13 Phase II Interconnection Study Report only. Please provide the entire California ISO Cluster 13 Phase II Interconnection Study Report including all the appendices and attachments.

**DR TSD-6.** Please provide the most recent Generator Interconnection Reassessment Study Report if it is available.

**DR TSD-7.** 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.

The proposed modifications to SDG&E owned and operated transmission facilities, and the proposed transfer of ownership of transmission facilities may require approval from the CPUC.

**DR TSD-8.** Please provide an expected schedule for necessary approvals from the CPUC.

## **VISUAL RESOURCES**

Appendix B (g) (6) (C) (iv) requires that for each Key Observation Point (View), a spatially accurate and photo-realistic project simulation that represents the scene one year after completion of construction be submitted. This is to include all elements of the project including any proposed landscaping. However, the project simulations presented in Section 4.13 Visual Resources, Figures 4.13-2a and 4.13-3a illustrate a conceptual

landscaping plan that is at a level of vegetation maturity well beyond the “one year after completion of construction” requirement.

**DR VIS-1.** Prepare and submit project visual simulations for Views 1 and 2 that illustrate the conceptual landscaping and screening plan at one year after completion of construction, and number those images as Figures 4.13-2a and 4.13-3a, respectively.

**DR VIS-2.** Retain but re-number existing Figures 4.13-2a and 4.13-3a as Figures 4.13-2b and 4.13-3b, respectively, and specify the time to vegetative maturity (after construction) that is illustrated in the existing simulations.

Appendix B (g) (6) (A) (i) requires that scenic vistas and resources within a five-mile radius of a project be mapped. However, the project setting limited the discussion of scenic highways to within two miles of the project site and provided no discussion of scenic vistas or scenic resources extending out to five miles. Additionally, no map of scenic vistas or scenic resources within five miles of the project site was prepared as required.

**DR VIS-3.** Prepare and submit a map of scenic vistas, scenic highways (all categories), and scenic resources (all categories) within five miles of the project site.

**DR VIS-4** Provide a narrative discussion of each resource identified in response to DR VIS-3 within five miles of the project site.

**DR VIS-5.** Include any designated scenic vista and scenic resource in an adopted federal, state, county, or city government planning document, plan, or regulation.

**DR VIS-6.** Include any natural features or objects that are 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).

**DR VIS-7.** Include any man-made features or objects that embody elements of architecture or engineering design, detail, materials, or craftsmanship that represent a significant innovation or are unique, such as the California State Capitol, Golden Gate Bridge, or Hollywood Sign.

Appendix B (g) (6) (A) (ii) requires a description of the existing nighttime lighting on the project site and in the vicinity. The generic environmental lighting zone classifications provided in the application do not adequately characterize the visible nighttime lighting on the project site and in the vicinity as required.

**DR VIS-8.** Provide a description of the existing nighttime lighting that is visible on the project site and in the vicinity of the project.

For projects constructed within an urbanized zone, Appendix B (g) (6) (B) requires a determination of conformance with the city/county general plan, city municipal code, or county government code (e.g., zoning) governing scenic quality. However, several of the "Project Consistency" determinations made in Section 4.13 – Visual Resources are based on the softening or moderating effects of the perimeter landscaping, which is illustrated at a vegetation maturity level beyond one year after completion of construction.

**DR VIS-9.** Provide additional consistency analysis for the project based on landscaping maturity at one year after completion of construction (as illustrated in the additionally required simulations identified above), and specify the time frame to achieve the project consistency that is currently presented in the analysis.

Appendix B (g) (6) (C) (iii) requires camera and photographic information for each image provided. However, the discussion of the photographic survey does not provide information regarding the camera/lens configuration or photographic data as required.

**DR VIS-10.** For each image, provide: camera type, lens focal length, viewing angle, date and time the photograph was taken, and the distance to the project site.

Appendix B (g) (6) (C) (v) requires that each Key Observation Point 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.

**DR VIS-11.** Separate from the existing view and simulation images presented in Section 4.13, provide to the CEC project manager stand-alone, high-resolution images that are capable of being printed at 11" x 17" with a minimum 600 dots per inch output resolution.

Appendix B (g) (6) (C) (vi) requires that electronic files be provided for each Key Observation Point photograph and photo-realistic simulation. Due to the need for revised, new, and high-resolution image files as previously identified, new and revised electronic files must be provided.

**DR VIS-12.** Provide revised electronic file of Section 4.13 Visual Resources that includes the additional simulations with landscaping maturity at one year after completion of construction.

**DR VIS-13.** Provide electronic files to the CEC project manager of the stand-alone, high-resolution images that are capable of being printed at 11" x 17" with a minimum 600 dots per inch output resolution.

Appendix B (g) (6) (D) requires that the project be shown and described in the landscape. Specifically, scaled plan and elevation drawings depicting the relative size

and location of the power plant and all related facilities are required to establish the accuracy of the photo simulations required in Appendix B (a) (1) (D) and (g) (6) (F). Although Appendix 2A in the application does provide an elevation drawing that provides some height information, it is incomplete. Additionally, Appendix B (g) (6) (D) (i) requires a table listing project component dimensions including heights, lengths, widths, and diameters.

**DR VIS-14.** Provide scaled elevation drawings that identify the heights of buildings, structures, and major equipment including H-frames and poles for both the project substation and the SDG&E switchyard and include the transmission line poles and dead-end structure. Structures and heights should correspond to what has been presented in the visual simulations and an updated Table 4.13-3 (Characteristics of Primary Project Components; see DR VIS-15), or specify the differences.

**DR VIS-15.** Update Table 4.13-3 (Characteristics of Primary Project Components) as appropriate with additional dimension information (e.g., length of perimeter wall, length of screening trellis) such that Table 4.13-3 and the elevation drawings are consistent.

Appendix B (g) (6) (D) (ii) requires that a table and description of the exterior surface treatments and finishes (e.g., colors, flat and/or textured finishes) for the buildings, structures, major equipment, and structural materials be provided. Although Table 4.13-3 does provide this information for some components, additional components need to be added to Table 4.13-3 per DR VIS-14 and DR VIS-15.

**DR VIS-16.** Update Table 4.13-3, as appropriate, to address any additional components added per the requirements of DR VIS-14 and DR VIS-15.

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 be provided. While a project-specific conceptual landscape plan has been provided (Appendix 2B in the application), no evidence has been provided that the Plan conforms to the appropriate local codes. Additionally, Section 4.13 Visual Resources, Subsection 4.13.6 states that no agencies were contacted during preparation of the visual resources evaluation.

**DR VIS-17.** Provide documentation that demonstrates conformance of the Conceptual Landscape Plan with the applicable local codes.

Appendix B (g) (6) (D) (iv) a. and b., require that a project-specific conceptual landscape plan include the type of plant and/or tree species to be installed, and for each species include the location, quantity, size, spacing at installation/planting, expected growth rate, and expected height at one year, five years, and maturity. Also required are the specific irrigation system components to be used and their locations.

While the Conceptual Landscape Plan presented in Appendix 2B in the application contains some of this information, it is not complete.

Also required is the calculated total pervious surface amount for the project site, including the surface to be replaced, the new surface, and the total area to be landscaped. The Conceptual Landscape Plan does not include this information.

**DR VIS-18.** Augment the Conceptual Landscape Plan with the following information:

- a. Expected growth rates.
- b. Expected heights of vegetation at one year, five years, and maturity.
- c. Specific irrigation system components and locations.
- d. A calculation of the total pervious surface amount for the project site. Include the surface to be replaced, the new surface, and the total area to be landscaped.

Appendix B (g) (6) (D) (v) requires that a project-specific conceptual outdoor lighting control and management plan (lighting 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.

**DR VIS-19.** Provide a project-specific conceptual outdoor lighting control and management plan (lighting plan), and explain the control of reflectance from exterior surfaces off site that conforms with the city municipal code or county government code.

Appendix B (g) (6) (D) (v) a., requires that a list of the project-specific luminaires be provided including the luminaire design (e.g., full-cutoff, semi-cutoff, non-cutoff) and whether or not the luminaires have the International Dark-Sky Association Fixture Seal of Approval to the extent feasible consistent with safety and security considerations. Also required are the project-specific luminaires' locations on a diagram or elevation. A lighting plan with this information has not been provided.

**DR VIS-20.** 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.

Appendix B (g) (6) (D) (v) b., requires that a description of project surface reflectance be provided including the intensity of the specular reflectance from the exterior surface of a project's large buildings, structures, and major equipment off site to the surrounding area (e.g., the light reflected from the shiny surface). The reflectance of the object—how bright it shines—depends on the intensity of the light striking it and the

materials from which it is made (e.g., glass, reinforced concrete, structural steel).

**DR VIS-21.** As specified in the Siting Regulations, describe project reflectance and include 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 (e.g., the light reflected from the shiny surface).

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. Appendix B (i) (2) requires contact information of an official who was contacted within each agency. Section 4.13 – Visual Resources: Subsection 4.13.6 Agencies and Agency Contacts states that no agencies were contacted during preparation of the visual resources evaluation.

**DR VIS-22.** Identify each agency with jurisdiction to issue applicable permits and/or approvals, but for the exclusive authority of the CEC, pertaining to:

- a. Project-specific conceptual outdoor lighting control and management plan (lighting plan).
- b. Project-specific Conceptual Landscape Plan

**DR VIS-23.** Please provide the name, title, phone number, address (required), and email address (if known), of each official who was contacted within each agency, and also provide the name of the official who will serve as a contact person for CEC staff.

## **WATER RESOURCES**

Section 4.15, Water Resources, Subsection 4.15.1.5.2 of the application states that *"Water during the operation of the Project will be limited to water necessary for landscape irrigation and to supply on-site fire hydrants"*, and *"Operation and maintenance water demand for the Project is assumed to be non-existent because it would be operated remotely and would not have any permanent on-site staff"*.

**DR WATER-1.** Although the water demand during the operational phase is expected to be minimal, please estimate the average and maximum daily, as well as the annual, water demand during the operational phase of the project.

Section 2, Project Description, Subsection 2.3.3 identifies the water purveyor as the Moulton Niguel Water District.

**DR WATER-2.** Please provide the status of the water agency's approvals for the proposed project use.

CEC staff received comments from Orange County Public Works (OCPW) alerting staff to a possible project impact to County of Orange (County)/Orange County Flood Control District (OCFCD) right-of-way or facilities (TN 256252). OCPW commented that the County requires that any project which would affect the County/OCFCD's right-of-way or facilities submit an application for an encroachment permit for any input/comments.

**DR WATER-3.** Please confirm whether any of the project's scope of work would affect County or OCFD's right-of-way or facilities and describe how they would be affected.

## **WILDFIRE**

Section 4-17 Wildfire and Fire Protection, Subsection 4.17.2.3.2, p. 4.17-8, indicates that the monitoring system would shut off the battery energy storage system (BESS) units should it sense any abnormal conditions.

**DR FIRE-1.** Please provide what procedures would be taken after a shutoff due to abnormal conditions, including, but not limited to inspection, repair, and notifications.

Subsection 4.17.2.3.2 indicated the BESS will include a fire suppression system (FSS) that would include smoke detectors, gas detectors and aerosols, but no FSS system specifications are provided.

**DR FIRE-2.** Please provide a detailed specification and description of the FSS.

**DR FIRE-3.** Please provide information on what gases the FSS gas detectors would be monitoring, including whether the gas detectors monitor for toxic vapors produced from battery damage or overheating?

Subsection 4.17.2.3.2 indicates that during project operation "an auxiliary distribution box would also be included which provides auxiliary power for the whole control system and liquid cooling system". This auxiliary distribution box is not described anywhere in the application.

**DR FIRE-4.** Please provide a detailed description of the auxiliary distribution box and any hazardous materials it may contain.

## **WORKER SAFETY**

Appendix B (g) (11) (A) and Appendix B (g) (11) (C) require that applicants provide a description of the safety training programs that will be required for construction and

operation personnel. The applicant has provided the required construction and operational safety programs, but the following changes are required for clarification and completeness.

**DR WS-1.** Please add 'Documentation Procedures' to the following program elements under the Construction Safety Programs: Hazardous Waste, Hot Work Safety, lockout/tagout (LOTO), Confined Space Entry, Electrical Safety, Hazard Communication and Respiratory Protection Programs. Additionally, the Construction Hazard Analysis (Table 4.16-1) should be amended to include 'Trench and Excavation' activities and 'Exposure to Hazardous Waste' as addressed in Section 4.14, Waste Management.

**DR WS-2.** Please add 'Documentation Procedures' to the following program elements under the Operations Health and Safety Programs: First Aid, CPR and Automated External Defibrillator, Excavation/Trenching, Hot Work Safety, Workplace Ergonomics, Employee Exposure Monitoring, Confined-Space Entry, Housekeeping and Material Handling and Storage, Hearing Conservation, Hazard Communication, and Respiratory Protection Programs. Additionally, the Operation Hazard Analysis (Table 4.16-2) should be amended to include 'Exposure to Hazardous Waste' as addressed in Section 4.14, Waste Management. Please add Hazardous Material Reporting and Documentation to the Housekeeping and Material Handling Storage Program element.

In Section 4-16, Worker Health and Safety, Subsection 4.16.1.4, the Applicant states, "The fire suppression system at the site will incorporate facilities designed in compliance with California Fire Code. The BESS will consist of National Fire Protection Association (NFPA) 855 Standard compliant and UL certified systems."

**DR-WS-3.** As required by NFPA 855, please add a discussion of the BESS hazard mitigation analysis to be prepared in compliance with UL 9540A. The hazard mitigation analysis shall include consideration of potential thermal runaway fault conditions occurring within a single battery storage rack, cell module or cell array (i.e., cell level, module level, unit level and installation level). The analysis shall include mitigations to prevent flammable gases released during fire, battery overcharging, and other abnormal operating conditions within the BESS from creating an explosion hazard that could injure workers or emergency first responders.