

DOCKETED	
Docket Number:	23-OPT-02
Project Title:	Darden Clean Energy Project
TN #:	256773
Document Title:	Determination of Incomplete Application and Request for Follow-up Information for the Darden Clean Energy Project (23-OPT-02)
Description:	N/A
Filer:	Lisa Worrall
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	6/10/2024 1:48:55 PM
Docketed Date:	6/10/2024



**CALIFORNIA
ENERGY COMMISSION**



June 10, 2024

Becky Moores
IP Darden I, LLC and Affiliates
c/o Intersect Power, LLC
9450 SW Gemini Drive PMB #68743
Beaverton, Oregon 97008

**Determination of Incomplete Application and Request for Follow-up
Information for the Darden Clean Energy Project (23-OPT-02)**

Dear Becky Moores,

In compliance with California Code of Regulations, title 20, section 1878(b), this letter is to notify you that the California Energy Commission (CEC) staff has completed its review of IP Darden I, LLC's most recent supplemental application filings and all prior project application submittals pursuant to Public Resources Code section 25545.4(a). Based on this review, the CEC staff has determined that the submitted application is still incomplete in eight categories as identified in Attachment A.

Under Public Resources Code, section 25545.4(b), the CEC staff requests the information described in Attachment B to this determination letter. Attachment B consists of 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 the requested information is based upon prior data requests that were not adequately responded to by the applicant or based upon data request responses that triggered a need for follow up questions. This 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). The CEC staff asks the applicant to file the requested data in as few submittals as possible and project an estimate of when the remaining data can be provided.

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*, the

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 this letter, please email Ann Crisp, project manager, at ann.crisp@energy.ca.gov and Lisa Worrall, co-project manager, at lisa.worrall@energy.ca.gov.

Sincerely,

A handwritten signature in dark ink, appearing to be 'Drew Bohan', with a stylized, sweeping underline.

Drew Bohan
Executive Director

Attachment

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

Attachment B: Revision 1 Data Requests

Attachment A

Data Completeness Worksheets
for Title 20, section 1877

DATA COMPLETENESS WORKSHEET

Completeness

Issue:

Complete ___ Incomplete X

Revision No.

01

^{12/11/23} Date: 6/10/24

C. Watson & A.
Stroud, CDFW (J.

Technical Area: Biological Resources

Project: Darden Clean Energy Project

Technical Staff:

Vang)

Project Manager: Ann Crisp & Lisa Worrall

Docket: 23-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) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Section 5.2; Appendix U, Vols. 1 to 3; Appendix Q, Vols. 1 to 3; Appendix V	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 5.2; Appendix U, Vols. 1 to 3; Appendix Q, Vols. 1 to 3; Appendix V	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 5.12; Appendix U; Appendix V; Appendix Q, Vols. 1 to 3	Yes	
[OPT-IN ONLY] Cal. Code Regs., tit. 20, § 1877 (a)	If the applicant is seeking incidental take authorization as described in California Fish and Game Code section 2081(b), the application shall include the information required in California Code of Regulations, title 14, section 783.2(a)(1)-(a)(10). If the applicant is seeking lake and streambed alteration authorization	Appendix U, Vols. 1 to 3	No <u>Yes</u>	See DR-BIO-1 to DR-BIO-4

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	under Fish and Game Code section 1602, the application shall include the information required in California Fish and Game Code section 1602(a)(1)(A)-(F).			
Appendix 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.	Chapter 2, Section 2.4; Section 5.12; Appendix Q Vols. 1 to 3; Appendix U Vols. 1 to 3; Appendix V	No	See DR-BIO-5 to DR-BIO-7 REV 1 DR BIO-1
Appendix B (g) (13) (A)	A regional overview and discussion of terrestrial and aquatic biological resources, with particular attention	Section 5.12; Appendix Q, Vols. 1 to 3; Appendix R (Confidential)	No	See DR-BIO-9 to DR-BIO-11 REV 1 DR BIO-2

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	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 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;	Section 5.12; Appendix Q, Vols. 1 to 3; Appendix R (Confidential)	Yes	
Appendix B (g) (13) (A) (ii)	species receiving consideration during environmental review under CEQA Guidelines Section 15380;	Section 5.12; Appendix Q, Vols. 1 to 3; Appendix R (Confidential)	Yes	

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Appendix B (g) (13) (A) (iii)	species identified as state Fully Protected;	Section 5.12; Appendix Q (Vols. 1 to 3; Appendix R (Confidential))	Yes	
Appendix B (g) (13) (A) (iv)	species covered by Migratory Bird Treaty Act;	Section 5.12; Appendix Q, Vol 1 to 3; Appendix R (Confidential)	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 5.12; Appendix Q, Vols. 1 to 3; Appendix R (Confidential)	Yes	
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 5.12; Appendix Q, Vol 1 to 3; Appendix R (Confidential)	Yes	
Appendix B (g) (13) (A) (vii)	plant species listed as rare under the California Native Plant Protection Act;	Section 5.12; Appendix Q, Vols. 1 to 3; Appendix R (Confidential)	Yes	
Appendix B (g) (13) (A) (viii)	established native resident or migratory wildlife corridors or wildlife nursery sites.	Section 5.12; Appendix Q, Vol. 1	Yes	

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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:	Section 5-12, Table 5.12-1; Appendix Q, Vol. 1, Table 2	No <u>Yes</u>	See DR-BIO-12 to DR-BIO-17
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 CNDDb, and the associated areas where biological surveys were conducted. Label the biological resources and survey areas as well as the project facilities;	Section 5.12; Appendix Q, Vol. 1 Section 3.2; Appendix R (Confidential)	No	See DR-BIO-18 and DR-BIO-19 REV 1 DR BIO-1

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Project Manager:

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Appendix B (g) (13) (B) (ii)	Provide an aerial map of the isopleth graphic depicting modeled nitrogen deposition rates. The geographical extent of the nitrogen deposition map(s) should include the entire plume and a radius of 6 (six) miles from the source, specifically identifying acres of sensitive habitat(s) within each isopleth Modeling parameters and files shall be provided.	Cover Letter and CEC Opt-in Application Crosswalk Matrix, Table 1; Section 5.12	No	See DR-BIO-20 REV 1 DR BIO-3
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 5.12; Appendix Q, Vols. 2 and 3	Yes	

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	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.			
Appendix B (g) (13) (B) (iv)	Provide Geographic Information System (GIS) data (shape and/or geodatabase files) for all data mapped for biological resources.	Kiteworks	No <u>Yes</u>	See DR-BIO-21
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	Section 5.12; Appendix Q, Vols. 1 to 3; Appendix U, Vols. 1 to 3; Appendix V	No <u>Yes</u>	See DR-BIO-22

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	biological resources including the following:			
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.)	Section 5.12; Appendix Q, Vols. 1 to 3	Yes	
Appendix B (g)(13)(C)(ii)	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.	Cover Letter and CEC Opt-in Application Crosswalk Matrix, Table 1; Section 5.12	No	See DR-BIO-20 REV 1 DR BIO-3
Appendix B (g) (13) (D)	A description and results of all field studies and specialized surveys (e.g., focused and protocol) used to provide biological baseline information about the project site and associated facilities. Include copies of the CNDDDB records and field survey forms completed by	Section 5.12; Appendix Q, Vol. 1; Appendix U, Vols. 1 to 3; Appendix V	No Yes	See DR-BIO-23

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	the applicant's biologist(s). Identify the date(s) the surveys were completed, methods used to complete the surveys, and the name(s) and qualifications of the biologists conducting the surveys. Include:			
Appendix 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;	Section 5.12; Appendix U, Vols. 1 to 3; Appendix V	No <u>Yes</u>	See DR-BIO-24 and DR-BIO-25
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 CEFW requirements, as applicable to the location, name(s) and qualifications of biologist(s) completing the delineation, the results of the delineation and a	Appendix Q, Vols. 2 to 3 (Appendix Q-9), and Appendix Q, Vol. 3 (Appendix Q-10)	No <u>Yes</u>	See DR-BIO-26

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	table showing jurisdictional features including state waters and wetland acreage amounts to be impacted.			
Appendix B (g) (13) (E)	Impacts discussion of all impacts (direct, indirect, and cumulative) to biological resources from project site preparation, construction activities, plant operation, maintenance, closure, and decommissioning. Discussion shall also address sensitive species habitat impacts from air emissions (i.e., nitrogen deposition);	Chapter 3, Subsection 3.2; Section 5.12; Appendix Q, Vols. 1 to 3; Appendix U, Vols. 1 to 3	No <u>Yes</u>	See DR-BIO-27 to DR-BIO-35
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:	Chapter 2, Section 2.4; Section 5.12, Subsection 5.12.3.2; Appendix V	No <u>Yes</u>	See DR-BIO-36 to DR-BIO-38
Appendix B (g) (13) (F) (i)	All measures proposed to avoid and/or reduce adverse impacts to biological resources;	Chapter 2, Section 2.4; Chapter 3, Section 3.2; Section 5.12; Appendix V, Appendix D, Sections 3 to 7	No <u>Yes</u>	See DR-BIO-39 to DR-BIO-43
Appendix B (g) (13) (F) (ii)	All off-site habitat mitigation such as habitat improvement or compensation including management, and an identification	Section 5.12	No <u>Yes</u>	See DR-BIO-44

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	of appropriate agency contacts for coordination and verification of proposed habitat mitigation measures;			
Appendix B (g) (13) (F) (iii)	Educational programs to enhance employee awareness during construction and operation to protect biological resources.	Section 5, Subsection 5.1.2.2, pp. 69-70; Section 5.12; Appendix Q Vol. 1,	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 5; Section 5.12; Appendix Q Vol. 1	No <u>Yes</u>	See DR-BIO-7 and DR-BIO-47
Appendix B (g) (13) (H)	Submit copies of any preliminary correspondence between the project applicant and state and federal resource agencies regarding whether federal or state permits from other agencies such as the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, the U.S. Army Corps of Engineers, the CDFW, and the RWQCB will be required for the proposed project.	Section 5.12	No <u>Yes</u>	See DR-BIO-45
Appendix B (i) (1) (A)	Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and	Section 5.12, Table 5.12-2; Subsection 5.12.5.1 to 5.12.5.3	No <u>Yes</u>	See DR-BIO-46 and DR-BIO-47

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	permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and			
Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 5.12, Table 5.12-2	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	Section 5.12, Table 5.12-3	Yes	

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	contact person for Commission staff.			
Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.12, Subsection 5.12.7	Yes	

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Technical Area:

Executive Summary

Project: Darden Clean Energy Project

Technical Staff: Various

Project Manager:

Ann Crisp & Lisa Worrall

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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.	Chapters 1, 2, and 4; Sections 2.1 to 2.7; 4.2, 4.5; 5.1 to 5.11, and 5.13 to 5.17; Subsections 4.1.1, 4.2.2, 4.2.3.1, 4.2.3.2; 5.2.3.1, 5.2.3.2, 5.3.3.1, 5.3.3.2, 5.4.3, 5.5.1.4 to 5.5.4, 5.6.3.1, 5.7.3, 5.8.1, 5.9.3.2, 5.10.2, 5.11.3, 5.14.3, 5.15.3.1, 5.16.3.1, 5.17.2, 5.17.3, 5.17.3.1, and 5.17.3.2; p. 5.2-51, 5.4-16 to 5.4-37, 5.5-54 to 5.5-67, 5.6-17 to 5.6-19, 5.9-16; 5.10-1, 5.11-11 to 5.11-16, 5.14-17 to 5.14-25, 5.15-8 to 5.15-9, 5.16-29, and 5.17-8 to 5.17-9; Tables 5.10-1 and 5.10-2; Appendices I-1 (Confidential), M, pp. 22 to 25; Q, Vols. 1 to 3; S; U, Vols. 1 to 3; and V	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	Chapters 1, 2 and 4; Sections 2.1 to 2.7; 4.1, and 4.5; 5.1 to 5.11, 5.13, and 5.16; Subsections 4.1.1, 4.2.3.1, 4.2.3.2; 5.2.1.4 to 5.2.2, 5.2.3.1, 5.3.1.1 and 5.3.1.2, 5.5.1.1, 5.6.3.1, 5.7.3,	Yes	

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Executive Summary

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Technical Staff:

Various

Project Manager:

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	the project (including expected completion dates; and	5.8.1, 5.9.1, 5.10.6, 5.15.3.1, and 5.16.3.1; pp. 5.2-4 to 5.2-7, 5.2-16 to 5.2-64; 5.4-1 to 5.4-44; 5.5-26 to 5.5-29; 5.6-17 to 5.6-19; 5.10-29, 5.15-8 to 5.15-9; and 5.16-29; Tables 5.2-1 and 5.2-5; Appendices I-1 (Confidential); M, pp. 22-25; Q, Vols. 1 to 3; S; U; Vols. 1 to 3; and V		
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;	Chapter 1 and 2; Sections 2.1 to 2.7; 5.1 to 5.17; 5.7.3, 5.8.8, and 5.9.8; Subsection 5.2.8, 5.4.8, 5.5.8, 5.6.9, 5.10.6, 5.11.8, 5.14.8, 5.15.8, 5.16.8, 5.17.8; pp. 5.1-45 to 5.1-51, p. 5.2-75 to 5.2-76, p. 5.4-44; p. 5.5-71, p. 5.6-54; p. 5.10-29, pp. 5.11-23 to 5.11-25, pp. 5.14-31, and 5.14-32, p. 5.15-17, pp. 5.15-1 to 5.15-16, pp. 5.16-1 to 5.16-52, p. 5.16-53, and p. 5.17-18; Appendices J; M, Section 10, pp. 90 to 99; Q, Vols. 1 to 3; S Chapter 4, Section 4.1; U; and V	Yes	

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Issue:

Complete ___ Incomplete XRevision No. 01 Date: 6/10/24

Technical Area:

Executive Summary

Project:

Darden Clean Energy Project

Technical Staff:

Various

Project Manager:

Ann Crisp & Lisa Worrall

Docket:

23-OPT-02

Technical Senior:

Eric Knight

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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.	Chapters 1 to 4, Sections 5-1 to 5-17, Appendix C	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply routes and facilities, water supply routes and facilities, pollution control systems, and other general characteristics.	Chapter 1 Figures 1-1, 1-2 and 1-3a to 1-3h, Subsections 1.2.1 and 1.2.2; Tables 1-1 and 2, pp. 1-1 to 1-17.	No Yes	See DR-BIO-1, DR-BIO-2, and DR-BIO-21
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.	Chapter 1, pp. 1-5 to 1-15; Table 1-1; Figures 1-3a to 1-3h	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Chapter 1, pp. 1-2 to 1-5. Figures 1-1 and 1-2. Section 5.2	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.	Chapter 1	No	See DR-PD-16 REV 1 DR PD-3

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Project:

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Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities. Provide the direct mailing addresses for the owners and occupants of properties contiguous to the proposed power plant, related facilities, transmission lines, or other linear facilities as shown on the latest equalized assessment roll. Provide a map showing the parcels in the notice area.	Appendix A, pp. A-1 to A-8, Figures A-1a to Figure A-1h.	No	See DR-PD-14 and DR-PD-15 REV 1 DR PD-2
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.	Chapter 1, p. 1-17, Chapter 2, Section 2.3, Subsection 2.3.6, p. 2-32	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.	Chapter 1, Subsection 1.4.1, pp. 1-17 and 1-18	Yes	

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Technical Area: Executive Summary

Project: Darden Clean Energy Project

Technical Staff: Various

Project Manager: Ann Crisp & Lisa Worrall

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Technical Senior: Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Chapter 1, pp. 1-17 and 1-18	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).	Chapter 1, pp. 1-17 and 1-18.	Yes	

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Issue:

Complete _____ Incomplete X**DATA COMPLETENESS WORKSHEET**Revision No. 01 Date: ^{12/11/23}6/10/24Technical Area: **Hazardous Materials Handling**Project: Darden Clean Energy ProjectTechnical Staff: Paul MillerProject Manager: Ann Crisp & Lisa WorrallDocket: 23-OPT-02Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 5.9.3.2, p. 5.9-16	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	Subsection 5.9.1	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 5.9.8	No	See DR HAZ-1 REV1 DR HAZ-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	Subsection 5.9.1; Subsections 5.9.3 to 5.9.5	Yes	

Completeness

Issue:

Complete _____ Incomplete X**DATA COMPLETENESS WORKSHEET**Revision No. 01 Date: 12/11/23
6/10/24Technical Area: **Hazardous Materials
Handling**Project: Darden Clean Energy ProjectTechnical Staff: Paul MillerProject Manager: Ann Crisp & Lisa WorrallDocket: 23-OPT-02Technical Senior: Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in California Code of Regulations, title 22, section 66261.20 et seq., and a discussion of the toxicity of each material.	Section 5.9, pp.5.9-8 to 5.9-13, Tables 5.9-1 to Table 5.9-4	No	See DR HAZ-2 to DR HAZ-6 REV1 DR WS-3
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 5.9, pp. 5.9-2 to 5.9-6, Figures 5.9-1a to 5.9-1e	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Subsection 5.9.1.3, Table 5.9-1, pp. 5.9-13 to 5.9-15	No Yes	See DR HAZ-6
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in offsite impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the application is complete.	Subsection 5.9.3.2, pp. 5.9-17 to 5.9-21	Yes	

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SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code section 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.9, pp. 5.9-7, 5.9-17 to 5.9-20	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Subsection. 5.9.1, Subsection 5.9.1.3	Yes	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.9, pp. 5.9-17 to 5.9-20	No	See DR HAZ-7 REV1 DR HAZ-2, REV1 DR WS-3
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 5.9, Table 5.9-5	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	Subsection 5.9.6, p. 5.9-33, Table 5.6-6	Yes	

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Technical Area: **Hazardous Materials Handling**

Project: Darden Clean Energy Project

Technical Staff: Paul Miller

Project Manager: Ann Crisp & Lisa Worrall

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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
	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 5.9.6, p. 5.9-33, Tables 5.6-6 and 5.6-7	Yes	
Appendix B (i) (3)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.9, Table 5.9-7	Yes	

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Technical Area:

Project Manager:

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Ann Crisp & Lisa Worrall

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Project: Darden Clean Energy Project

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Technical Staff: Various

Technical Senior: Eric Knight

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SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (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 A, Figures A-1a to A-8h; Chapter 1, pp. 1-5 to 1-15. Table 1-1, Figures 1-3a to 1-3 ah	Yes	
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities to establish the accuracy of the photo simulations required in sections (a)(1)(D) and (g)(6)(F);	Appendix F	Yes	
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	Chapter 2, Section 2.1.5.4; Section 4, Subsection 4.1.4.3, Figure 4; Appendix F	No	See DR PD-1 to DR PD-4, DR PD-7 to DR PD-12 REV 1 DR PD-1

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Technical Area:

Project Description

Project:

Darden Clean Energy Project

Technical Staff:

Various

Project Manager:

Ann Crisp & Lisa Worrall

Docket:

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Technical Senior:

Eric Knight

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (b) (1) (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, p. 2-1, Subsection 2.1.17; Subsection 2.2.7	Yes	
Appendix B (b) (2)	In a section titled, "Transmission Lines Description, Design, and Operation" provide:	--	--	--
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 (or appropriate map scale agreed to by staff) of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s);	Section 2, Subsection 2.2, p. 2-17, Figures 2-3a to 2-3h	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 5.5, pp. 5.5-36 to 5.5-41, Figures 5.5-4a to Figure 5.5-6b, pp. 5.5-46 and 5.5-46, Figures 5.5-9 and Figure 5.5-9b	Yes	
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	Chapter 1, Subsections 1.2.1 and 1.2.2; Chapter 2 Sections 2.1 to 2.7; Chapter 4, Section 4.2, Subsection 4.2.2; Appendix	Yes	

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Issue:

Technical Area:

Project Manager:

Complete ☐ Incomplete ☒

Project Description

Ann Crisp & Lisa Worrall

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Project: Darden Clean Energy Project

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Technical Staff: Various

Technical Senior: Eric Knight

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	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.	F, Electrical plans E 101 to E 301		
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	Chapter 2, Sections 2.1 to 2.7; Appendix F, Electrical plans E 101 to E 301	Yes	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sections 3.1 and 3.2 pp. 3-1 to 3-2; Appendix H, pp. 1 to 8	No Yes	See DR-BIO-40

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Technical Area:

Project Manager:

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Traffic and Transportation

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Project:

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Ashley Gutierrez

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.	Section 5.4, Subsection 5.4.3, pp. 5.4-16 to 5.4-37	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 5.4, pp. 5.4-1 to 5.4-44	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 5.4, Subsection 5.4.8, p. 5.4-44	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	Section 5.4, Subsection 5.4.3, pp. 5.4-16 to 5.4-37	Yes	

Completeness

Issue:

Technical Area:

Project Manager:

Complete ☐ Incomplete ☒

Traffic and Transportation

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	general plan or other adopted local, regional, or statewide plan.			
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Section 5.4, Figure 5.4-1, p. 5.4-2	Yes	
Appendix B (g) (5) (B)	If the proposed project including any linear facility is to be located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction, discuss the project's compliance with the applicable sections of the current Federal Aviation Regulation Part 77 – Safe, Efficient Use, and Preservation of the Navigable Airspace, specifically any 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:	Section 5.4, Subsection 5.4.1.1, p. 5.4-13	No Yes	See DR TRANS 1 to DR TRANS 3 and DR TRANS 5
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.	Section 5.4	No Yes	See DR TRANS 1

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Project Manager:

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Technical Senior:

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Appendix B (g) (5) (B) (ii)	A thermal plume analysis that describes the plume's velocity;	Section 5.4	No <u>Yes</u>	See DR TRANS-2 and DR TRANS-3
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	
Appendix B (g) (5) (B) (iv)	Copies of FAA Form 7460-1, Notice of Proposed Construction or Alteration, that were submitted or approved for any project component requiring notice.	N/A	N/A	
Appendix B (g) (5) (C)	An evaluation of the project's potential impacts related to vehicle miles traveled (VMT) that may include:	Section 5.4, Subsection 5.4.3, pp. 5.4-28 to 5.4-30, Appendix K	No <u>Yes</u>	See DR TRANS-6
Appendix B (g) (5) (C) (i)	The local jurisdiction's thresholds of significance;	Section 5.4, Subsection 5.4.3, pp. 5.4-28 to 5.4-30	No <u>Yes</u>	See DR TRANS-6
Appendix B (g) (5) (C) (ii)	Methodologies (such as local VMT Evaluation Tool);	Section 5.4, Subsection 5.4.3, pp. 5.4-28 to 5.4-30	No <u>Yes</u>	See DR TRANS-6
Appendix B (g) (5) (C) (iii)	VMT heat maps; and	Section 5.4	No <u>Yes</u>	See DR TRANS-6
Appendix B (g) (5) (C) (iv)	Transportation demand management plans and any documents supporting the project applicant's CEQA determination.	Section 5.4, Subsection 5.4.3, p. 5.4-30	Yes	
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 5.4, Figures 5.4-2a to 5.4-2h, pp. 5.4-3 to 5.4-10; Subsection 5.4.1.1 to 5.4.1.3, pp. 5.4-11 to 5.4-15; Appendix K	Yes	

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Appendix B (g) (5) (D) (i)	Road classification and design capacity;	Section 5.4, Subsection 5.4.1.1, pp. 5.4-11 to 5.4-12; Appendix K	Yes	
Appendix B (g) (5) (D) (ii)	Current daily average and peak traffic counts;	Section 5.4, Subsection 5.4.1.1, p. 5.4-14; Appendix K	Yes	
Appendix B (g) (5) (D) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Section 5.4, Subsection 5.4.3.2, pp. 5.4-16 to 5.4-25; Appendix K	Yes	
Appendix B (g) (5) (D) (iv)	Weight and load limitations;	Section 5.4, Subsection 5.4.1.2, p. 5.4-15	Yes	
Appendix B (g) (5) (D) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Section 5.4, Subsection 5.4.1.2, p. 5.4-14	Yes	
Appendix B (g) (5) (D) (vi)	An identification of any road features affecting public safety.	Section 5.4, Subsection 5.4.1.2, p. 5.4-14	Yes	
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:	Section 5.4, Subsection 5.4.3.2, pp. 5.4-16 to 5.4-28; Appendix K; Appendix N	No	See DR-TRANS-4 and DR-TRANS-7 REV 1 DR TRANS-1
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.	Appendix N	Yes	

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Project Manager:

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Steven Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (5) (E) (ii)	Description of public roadways and intersections temporarily or permanently altered by construction and operation including the duration of activities.	Section 5.4, Subsection 5.4.3.2, pp. 5.4-16 to 5.4-28; Appendix K	No	See DR TRANS-5 and DR TRANS-8 REV1 DR TRANS-1
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 5.4, Subsection 5.4.3, pp. 5.4-32 to 5.4-36	No Yes	See DR TRANS-4
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 5.4, Subsection 5.4.5, pp. 5.4-37 to 5.4-42	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	Section 5.4, Subsection 5.4.6, pp. 5.4-42 to 5.4-43	Yes	

Completeness

Issue:

Technical Area:

Project Manager:

Complete ☐ Incomplete ☒

Traffic and Transportation

Ann Crisp & Lisa Worrall

DATA COMPLETENESS WORKSHEET

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Project:

Docket:

Darden Clean Energy Project

23-OPT-02

Revision No.

Technical Staff:

Technical Senior:

0 ~~12/11/23~~

1 Date: **6/10/24**

Ashley Gutierrez

Steven Kerr

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.			
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5.4, Subsection 5.4.6, pp. 5.4-42 to 5.4-43	No Yes	See DR-TRANS-9
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 5.4, Subsection 5.4.7, p. 5.4-43	Yes	

Completeness
Issue:

DATA COMPLETENESS WORKSHEET

12/11/23

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Revision No. ~~01~~ Date: **6/10/24**

Technical Area: **Transmission System Design**

Project: Darden Clean Energy Project

Technical Staff: Sudath Edirisuriya

Project Manager: Ann Crisp & Lisa Worrall

Docket: 23-OPT-02

~~Mark Hesters~~

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.	Chapter 2, Sections 2.1 to 2.7; Chapter 4, Section 4.2, Subsection 4.2.2, and Section 4.5	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	Chapter 2, Sections 2.1 to 2.7; Chapter 4, Section 4.5	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;	Chapter 2, Sections 2.1 to 2.7	Yes	
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.	Chapter 2, Sections 2.1 to 2.7; Chapter 4, Section 4.2, Subsection 4.2.2; Chapter 1, Subsections 1.2.1 and 1.2.2; Appendix F, Electrical plans E 101 to E 301	No <u>Yes</u>	See DR TSD-2, DR TSD-3, and DR TSD-4

Completeness
Issue:

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Revision No. ~~01~~ Date: ^{12/11/23}
6/10/24

Complete ☐ Incomplete ☒
**Transmission System
Design**

Project: Darden Clean Energy Project

Technical Staff: Sudath Edirisuriya

Project Manager: Ann Crisp & Lisa Worrall

Docket: 23-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
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.	Chapter 2, Sections 2.1 to 2.7; Chapter 4, Section 4.2, Subsection 4.2.2; Chapter 1, Subsections 1.2.1 and 1.2.2; Appendix F, Electrical plans E 101 to E 301	Yes	
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.	Chapter 1, Subsections 1.2.1 and 1.2.2; Chapter 2 Sections 2.1 to 2.7; Chapter 4, Section 4.2, Subsection 4.2.2; Appendix F, Electrical plans E 101 to E 301	Yes	
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	Chapter 2, Sections 2.1 to 2.7; Appendix F, Electrical plans E 101 to E 301	Yes	

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Revision No. ~~01~~ Date: ^{12/11/23}
6/10/24

Technical Area: Complete ☐ Incomplete ☒ **Transmission System Design**

Project: Darden Clean Energy Project

Technical Staff: Sudath Edirisuriya
Mark Hesters

Project Manager: Ann Crisp & Lisa Worrall

Docket: 23-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
	conveyance constraints, and electric transmission constraints.			
Appendix B (b) (2) (E)	A completed System Impact Study or signed System Impact Study Agreement with the California Independent System Operator and proof of payment. When not connecting to the California Independent System Operator controlled grid, provide the executed System Impact Study agreement and proof of payment to the interconnecting utility. If the interconnection and operation of the proposed project will likely impact a transmission system that is not controlled by the interconnecting utility (or California Independent System Operator), provide evidence of a System Impact Study or agreement and proof of payment (when applicable) with/to the impacted transmission owner or provide evidence that there are no system impacts requiring mitigation.	Chapter 2, Subsection 2.1.2	No	See DR TSD-1 REV 1 DR TSD-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	Chapter 2, Sections 2.1 to 2.7	No Yes	See DR TSD-7

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Revision No. ~~01~~ Date: ~~12/11/23~~
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Technical Area: **Transmission System Design**

Project: Darden Clean Energy Project

Technical Staff: Sudath Edirisuriya

Project Manager: Ann Crisp & Lisa Worrall

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Joseph Hughes

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and			
Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Chapter 2, Sections 2.1 to 2.7	No Yes	See DR TSD-8
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 C	Yes	

Completeness Issue: Complete ☐ Incomplete ☒ **DATA COMPLETENESS WORKSHEET**

Revision No. ~~01~~ Date: ~~12/11/23~~ **6/10/24**

Technical Area: **Transmission System Design** Project: Darden Clean Energy Project Technical Staff: Sudath Edirisuriya
Mark Hesters

Project Manager: Ann Crisp & Lisa Worrall Docket: 23-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
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.	Chapter 2, Sections 2.1 to 2.7	No <u>Yes</u>	See DR TSD-5

DATA COMPLETENESS WORKSHEET

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Complete ☐ Incomplete ☒

Technical Area:

Water Resources

Project:

Darden Clean Energy Project

Revision No.

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Date:

12/11/23

6/10/24

Technical Staff:

A. White/J. Ackerman

Project Manager:

Ann Crisp & Lisa Worrall

Docket:

23-OPT-02

Technical Senior:

Abdel-Karim Abulaban

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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.	Chapter 1; Chapter 2, Section 5-11; Section 5-13; Appendix S	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	Chapter 1; Chapter 2; Section 5-11; Section 5-13; Appendix S	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;	Chapter 1; Chapter 2; Section 5-11; Section 5-13; Appendix S	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,	Chapter 1; Chapter 2; Section 5-11; Section 5-13; Appendix S	Yes	

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Technical Staff:

A. White/J. Ackerman

Technical Senior:

Abdel-Karim Abulaban

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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
	list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
Appendix B (g) (14) (A)	All the information required to apply for the following permits, if applicable, including:	--	--	--
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; National Pollutant Discharge Elimination System Permit; and/or a Section 401 Certification or Waiver from the appropriate Regional Water Quality Control Board (RWQCB);	Section 5-13 Subsection 5.13.1.6, p. 5.13-43	No Yes	See DR WATER 1 to DR WATER 3 and DR WATER 7
Appendix B (g) (14) (A) (ii)	Construction and Industrial Waste Discharge or Industrial Pretreatment permits from wastewater treatment agencies;	Section 5.13, Subsection 5.13.7, pp. 5.13-77 to 5.13-78, Table 5.13-18,	No Yes	See DR WATER 8 and DR WATER 12
Appendix B (g) (14) (A) (iii)	Nationwide Permits and/or Section 404 Permits from the U.S. Army Corps of Engineers; and	Section 5-13, Subsection 5.13.7, p. 5.13-77	No Yes	See DR WATER 12
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.	Section 5-13, Subsection 5.13.7, pp. 5.13-78 to 5.13-79	No Yes	See DR WATER 3
Appendix B (g) (14) (B)	A detailed description of the hydrologic setting of the project. The information shall include a	--	--	--

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Technical Senior:

Abdel-Karim Abulaban

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	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:			
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Section 5-13, Subsection 5.13.1.1, pp. 5.13-1 to 5.13-26	No Yes	See DR WATER 3 and DR WATER 11
Appendix B (g) (14) (B) (ii)	Surface water bodies;	Section 5.13, Subsection 5.13.1.2, Subsection 5.13.7, pp. 5.13-27 to 5.13-31	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones;	Section 5.13, Subsection 5.13.7, Subsection 5.13.1.4, pp. 5.13-37 to 5.13-40	Yes	
Appendix B (g) (14) (B) (iv)	Flood control facilities (existing and proposed); and	Section 5-13, Subsection 5.13.1, p. 5.13-1	No Yes	See DR WATER 19
Appendix B (g) (14) (B) (v)	Groundwater wells within ½ mile if the project will include pumping.	Section 5-13, Subsection 5.13.1.1, pp. 5.13-17 to 5.13-26	No Yes	See DR WATER 9
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	--	--	--
Appendix B (g) (14) (C) (i)	Source(s) of the primary and back-up water supplies and the rationale for their selection;	Section 5-13, Subsection 5.13.1.6, pp. 5.13-41 to 5.13-44; Appendix S, Part 1	No Yes	See DR WATER 14 , DR WATER 15 , and DR WATER 17

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Technical Area:

Water Resources

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Project Manager:

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SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (ii)	The expected physical and chemical characteristics of the source and discharge water(s) including identification of both organic and inorganic constituents before and after any project-related treatment. For source waters with seasonal variation, provide seasonal ranges of the expected physical and chemical characteristics. Provide copies of background material used to create this description (that is, laboratory analysis);	Section 5-13, Subsection 5.13.1.6, p. 5.13-43	No Yes	See DR WATER-1, DR WATER-3 to DR WATER-5, DR WATER-7, DR WATER-10, and DR WATER-11
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project;	Section 5-13, Subsection 5.13.1.6, p. 5.13-43	No	See DR WATER-1 and DR WATER-15 REV1 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;	Section 5-13, Subsection 5.13.1.6, p. 5.13-44, Table 5.13-9,	No Yes	See DR WATER-16
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	Appendix S, Part 1, pp. 1 to 5	No Yes	See DR WATER-14

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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
	project, has adequate supplies available for the life of the project, and any conditions or restrictions under which water will be provided. If a will-serve letter or letter of intent cannot be provided, identify the most likely water purveyor and discuss the necessary assurances from the water purveyor to serve the project;			
Appendix B (g) (14) (C) (vi)	For all water supplied which necessitates transfers and/or exchanges at any point, identify all parties and contracts/agreements involved, the primary source for the transfer and/or exchange water (that is, surface water, groundwater), and provide the status of all appropriate agencies' approvals for the proposed use, environmental impact analysis on the specific transfers or exchanges required to obtain the proposed supplies, a copy of any agency regulations that govern the use of the water, and an explanation of how the project complies with the agency regulation(s);	Appendix S, Part 1, pp. 1 to 5	No Yes	See DR WATER-14

DATA COMPLETENESS WORKSHEET

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Technical Area:

Water Resources

Project:

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SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (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	Section 5-13, Subsection 5.13.1.5, p. 5.13-41; Subsection 5.13.1.6, p. 5.13-43, Table 5.13-7	No Yes	See DR WATER 1, DR WATER 6, DR WATER 7, DR WATER 13, and DR WATER 15
Appendix B (g) (14) (C) (viii)	For all projects which have a discharge, provide a copy of the will-serve letter, permit or contract with the public or private entity that will be accepting the wastewater and contact storm water from the project. The letter, permit or contract, if possible, shall identify the discharge volumes and the chemical or physical characteristics under which the wastewater and contact storm water will be accepted. In the event that a will-serve letter, permit, or contract cannot be provided, identify the most likely wastewater/storm water entity and discuss why the applicant was unable to secure the necessary assurances to serve the project's wastewater/storm water needs. Also, discuss the	Section 5-13, Subsection 5.13.7, p. 5.13-78	Yes	

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	term of the wastewater service to the project, whether the wastewater entity has adequate permit capacity for the volume of wastewater from the project and has adequate permit levels for the chemical/physical characteristics of the project's wastewater and storm water for the life of the project, and any issues or conditions/restrictions the wastewater entity may impose on the project.			
Appendix B (g) (14) (D)	Identify all project elements associated with stormwater drainage, including a description of the following:	--	--	--
Appendix B (g) (14) (D) (i)	Monthly and seasonal precipitation and stormwater runoff and drainage patterns for the proposed site and surrounding area that may be affected by the project's construction and operation;	Section 5-13, Subsection 5.13.1.3, p. 5.13-32 to 5.13-36	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;	Section 5-13, Subsection 5.13.3.2, p. 5.13-46 to 5.13-69	Yes	
Appendix B (g) (14) (D) (iii)	All assumptions and calculations used to calculate runoff and to	Section 5-13, Subsection 5.13.3.2, p. 5.13-48	No Yes	See DR-WATER-20

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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
	estimate changes in flow rates between pre- and post-construction; and			
Appendix B (g) (14) (D) (iv)	A copy of applicable regional and local requirements regulating the drainage systems, and a discussion of how the project's drainage design complies with these requirements.	Section 5-13, Subsection 5.13.5.2, p. 5.13-73	No <u>Yes</u>	See DR WATER-21
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;	Appendix S	Yes	
Appendix B (g) (14) (E) (ii)	If the project will pump groundwater, an estimation of aquifer drawdown based on a	Section 5-13, Subsection 5.13.1.6, p. 5.13-41	Yes	

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	computer modeling study shall be conducted by a professional geologist and include the estimated drawdown on neighboring wells within 0.5 mile of the proposed well(s), any effects on the migration of groundwater contaminants, and the likelihood of any changes in existing physical or chemical conditions of groundwater resources shall be provided;			
Appendix B (g) (14) (iii)	The effects of construction activities and plant operation on water quality and to what extent these effects could be mitigated by best management practices;	Section 5-13, Subsection 5.13.3.2, pp. 5.13-47 to 5.13-49	Yes	
Appendix B (g) (14) (iv)	If not using a zero liquid discharge project design for cooling and process waters, include the effects of the proposed wastewater disposal method on receiving waters, the feasibility of using pre-treatment techniques to reduce impacts, and beneficial uses of the receiving waters. Include an explanation why the zero liquid discharge process is "environmentally undesirable," or "economically unsound;"	Section 5-13, Subsection 5.13.1.6, p. 5.13-43	No Yes	See DR WATER-3

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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	Section 5-13, Subsection 5.13.1.4, pp. 5.13-37 to 5.13-40; Subsection 5.13.3.2, pp. 5.13-46 to 5.13-70	No Yes	See DR WATER 22
Appendix B (g) (14) (vii)	All assumptions, evidence, references, and calculations used in the analysis to assess these effects.	Section 5-13, Subsection 5.13.1.4, pp. 5.13-37 to 5.13-40; Subsection 5.13.3.2, pp. 5.13-46 to 5.13-70	No Yes	See DR WATER 22
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	Section 5-13, Subsection 5.13.5, pp. 5.13-70 to 5.13-79	No Yes	See DR WATER 23

DATA COMPLETENESS WORKSHEET

Completeness

Issue:

Complete ☐ Incomplete ☒

Technical Area:

Water Resources

Project:

Darden Clean Energy Project

Revision No.

0

12/11/23

Date: **6/10/24**

Technical Staff:

A. White/J. Ackerman

Project Manager:

Ann Crisp & Lisa Worrall

Docket:

23-OPT-02

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
	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.	Section 5-13, Subsection 5.13.7, pp. 5.13-77 to 5.13-79	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5-11, Subsection 5.11.6, p. 5.11-21	Yes	
Appendix B (i) (3)	A schedule indicating when permits outside the authority of the Commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5-13, Subsection 5.13.7, pp. 5.13-77 to 5.13-78	No Yes	See DR WATER-18

Completeness

DATA COMPLETENESS WORKSHEET

12/11/23

Issue:

Complete _____ Incomplete XRevision No. 01Date: 6/10/24

Technical Area:

Worker Safety

Project:

Darden Clean Energy Project

Technical Staff:

Alvin Greenberg

Project Manager:

Ann Crisp & Lisa Worrall

Docket:

23-OPT-02

Technical Senior:

Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Subsection 5.10.2, p. 5.10-1, Tables 5.10-1 and 5.10-2	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 5.10.6, p. 5.10-29	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 5.10.6, p. 5.10-29	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	Subsection 5.10, p. 5.10-1	No	See DR-WS-1 to DR-WS-4 <u>REV1 DR WS-1, REV1 DR WS-2</u>

Completeness

DATA COMPLETENESS WORKSHEET

12/11/23

Issue:

Complete _____ Incomplete XRevision No. 01Date: 6/10/24

Technical Area:

Worker Safety

Project:

Darden Clean Energy Project

Technical Staff:

Alvin Greenberg

Project Manager:

Ann Crisp & Lisa Worrall

Docket:

23-OPT-02

Technical Senior:

Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan.			
Appendix B (g) (11) (A)	A description of the safety training programs that will be required for construction and operation personnel.	Chapter 2, Subsection 2.1.11, p. 2-15; Chapter 4, Subsection 4.1.4, pp. 4-3 to 4-5, Figure 4-1; Subsection 5.10.2.4, pp. 5.10-8 to 5.10-14	No <u>Yes</u>	See DR-WS-2
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Chapter 2, Subsection 2.1.11, p. 2-15; Subsection 5.10.2.4, pp. 5.10-15 to 5.10-16; Appendix P	No	See DR-WS-3 <u>REV1 DR WS-1, REV1 DR WS-2</u>
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"> Injury and Illness Prevention Plan (8 Cal. Code Regs., section 1509); 	Section 5.10, Subsection 5.10.2.4, pp. 5.10-8 to 5.10-9	No <u>Yes</u>	See-DR-WS-1
	<ul style="list-style-type: none"> Fire Protection and Prevention Plan (8 Cal. Code Regs., section 1920); 	Section 5.10, Subsection 5.10.2.4, pp. 5.10-8 to 5.10-9	No	See DR-WS-3 <u>REV1 DR WS-1, REV1 WS-2</u>

Completeness

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Technical Area:

Worker Safety

Project:

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Technical Staff:

Alvin Greenberg

Project Manager:

Ann Crisp & Lisa Worrall

Docket:

23-OPT-02

Technical Senior:

Brett Fooks

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
	<ul style="list-style-type: none"> Personal Protective Equipment Program (8 Cal. Code Regs., sections 1514-1522) 	Section 5.10, Subsection 5.10.2.4, pp. 5.10-10	Yes	
	Operation Health and Safety Program: <ul style="list-style-type: none"> Injury and Illness Prevention Program (8 Cal. Code Regs., section 3203); 	Section 5.10, Subsection 5.10.2.4, pp. 5.10-11 to 5.10-12	No Yes	See DR-WS-1
	<ul style="list-style-type: none"> Fire Prevention Plan (8 Cal. Code Regs., section 3221); 	Section 5.10, Subsection 5.10.2.4, pp. 5.10-12 to 5.10-13	No	See DR-WS-3 REV1 DR WS-1, REV1 WS-2
	<ul style="list-style-type: none"> Emergency Action Plan (8 Cal. Code Regs., section 3220); 	Section 5.10, Subsection 5.10.2.4, pp. 5.10-13	Yes	
	<ul style="list-style-type: none"> Personal Protective Equipment Program (8 Cal. Code Regs., sections 3401-3411). 	Section 5.10, Subsection 5.10.2.4, pp. 5.10-13	No Yes	See DR-WS-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 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 5.10, p. 5.10.16-27, Table 5.10-5	No Yes	See DR-WS-1 and DR-WS-2

Completeness

Issue:

Complete _____ Incomplete X

Technical Area:

Worker Safety

Project Manager:

Ann Crisp & Lisa Worrall

DATA COMPLETENESS WORKSHEET

Project:

Darden Clean Energy Project

Docket:

23-OPT-02

Revision No. 01

Technical Staff:

Alvin Greenberg

Technical Senior:

Brett Fooks

12/11/23

Date: **6/10/24**

SITING REGULATIONS	INFORMATION	APPLICATION SECTION NUMBER AND PAGE NUMBER	COMPLETE YES OR NO	INFORMATION REQUIRED TO MAKE APPLICATION CONFORM WITH REGULATIONS
Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 5.10, Subsection 5.10.4, p. 5.10-27, Table 5.10-6	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5.10, Subsection 5.10.4, p. 5.10-27, Table 5.10-6	No <u>Yes</u>	See DR-WS-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 5.10, Subsection 5.10.5, p. 5.10-28, Table 5.10-7	Yes	

Attachment B

Revision 1 Data Requests

Attachment B Revision 1 Data Requests

BIOLOGICAL RESOURCES

REV 1 DR BIO-1. The CEC staff reviewed applicant's response to DR BIO-5 and DR BIO-18, in the applicant's *CEC Data Request Response Set 4* [TN 256296]. So staff can better assess potential impacts to tricolored blackbird (*Agelaius tricolor*), Swainson's hawk (*Buteo swainsoni*), San Joaquin kit fox (*Vulpes macrotis mutica*), and burrowing owl (*Athene cunicularia*), please provide the following:

- Please update Table 2 (*CEC Data Request Response Set 4*, p. 5) to expand on the land cover type description to list the most recent crops grown and whether the crop is currently in production within the project site and linear facilities. Please describe the conditions on the ground within the past year within the project site and linear facilities. As tricolored blackbird nest in low row crops such as alfalfa and wheat, whereas burrowing owl utilize different crops or managed portions of agricultural fields, only certain areas within the project boundary and linears may be suitable habitat for these species. This detail is necessary so CEC and California Department of Fish and Wildlife (CDFW) staff can determine how much compensatory habitat mitigation may be required for the development of the Incidental Take Authorization (Fish and Game Code section 2081). This information would also be used for burrowing owl, currently under consideration for listing under the California Endangered Species Act.
- Please also provide figures at a scale consistent with Appendix B (g)(13)(B)(i) and associated shapefile for the expanded land cover type, as requested above.

REV 1 DR BIO-2. In *CEC Data Request Response Set 4*, in response to staff's DR BIO-9, the applicant states that a formal habitat assessment for blunt-nosed leopard lizard (*Gambelia sila*) is not warranted, based upon several factors including the applicant's determination that the lands in the vicinity of the project are not suitable habitat. While the CDFW and CEC staff agree onsite habitat is not suitable, we believe that suitable habitat is available offsite from which animals might disperse onsite, and also point out that the California Natural Diversity Database (CNDDDB) is a positive-occurrence database only. The CEC staff further notes that iNaturalist (2024) contains multiple blunt-nosed leopard lizard occurrences offsite in Ciervo Hills approximately 3 to 5 miles west of the switchyard project boundary, which is within the known range for the species (CDFW 2021).

The CEC and CDFW staff have additional questions about the habitat evaluation conducted off-site of the switchyard. Staff needs this information to evaluate the impacts of the project and determine if Pacific Gas and Electric Company's (PG&E's) construction measures (*CEC Data Request Response Set 4*, p. 47) are sufficient to reduce potential impacts to the blunt-nosed leopard lizard from construction of the switchyard.

The CEC and CDFW staff need to know the following:

- How far out to the west of the switchyard property was visible during surveys conducted to ascertain the habitat type described on page 8 in *CEC Data Request Response Set 4*?
- Did the applicant's review methods of the species' potential to occur in the proposed switchyard boundary include a review of any photographs of offsite habitat that could be viewed from accessible areas, a desktop analysis review of records in CNDDDB and iNaturalist, and a review of Google Earth imagery and other GIS-based commonly available spatial data such as topography, soils, climate, and vegetation maps? If some or all of these standard methods were not used, please conduct a review using these methods (out to 1,000 feet for desktop purposes) and provide the results.

REV 1 DR BIO-3. In *CEC Data Request Response Set 4*, in response to staff's DR BIO-20, the applicant provided the maps in Appendix F. However, the maps are not in the correct units. Data was provided in g/m², and the annual values were averaged across 5 years. Please provide revised map(s) for the total annual nitrogen deposition in kilograms of nitrogen per hectare per year (kg N/ha/yr). In adherence with Appendix B (g)(13)(B)(ii), Appendix B (g)(13)(C)(ii) and Appendix B (g)(15)(B)(ii), the maps should display the amount of total annual nitrogen deposition in kg N/ha/yr and should not be averaged across 5 years. Please refer to Great Oaks South Backup Generating Facility (20-SPPE-01) Draft Environmental Impact Report (TN 237875, pages 4.4-13 and 4.4-14), for an example of the expected mapped output, including mapped sensitive habitat, background values, and project features.

REFERENCES

CDFW 2021 – California Department of Fish and Wildlife. California Department of Fish and Wildlife, Biogeographic Data Branch, 2021. California Wildlife Habitat Relationship System, Sacramento, CA.

iNaturalist 2024 – iNaturalist. Available at: <https://inaturalist.org>. Accessed on May 20, 2024.

HAZARDOUS MATERIALS HANDLING

REV 1 DR HAZ-1. Staff reviewed the Phase I and Phase II Environmental Site Assessments (ESAs) presented in Appendix F from applicant's *CEC Data Response Set 3* in response to staff's DR HAZ-1. Staff notes that these ESAs describe obtaining soil samples at various dates in 2022 and 2023. The soil samples were analyzed for OCP (organochlorine pesticides), lead, and arsenic at 41 locations across the subject property and 10 of those 41 were analyzed for selenium. Although these reports recommended consideration of well-water for dust suppression at the site, well-water or groundwater sampling and analysis data could not be found in any of these reports.

Based on the response to staff's DR HAZ-1, staff needs additional information to assess the potential health hazards posed to workers involved in soil disturbances, trenching, and excavation activities, in addition to evaluating the use of well-water or groundwater for dust suppression. Please prepare and implement a supplemental Sampling and Analysis Plan (SAP) to sample and analyze a representative number of soil samples and well-water samples within the site and the linears (including the proposed hydrogen gas pipeline route) for the herbicide DCPA (Dacthal) and CAM-17 metals per the California Administrative Manual. This SAP should also include analysis of the organochlorine pesticides in the well-water samples and along linears that were not previously sampled.

REV 1 DR HAZ-2. Figure 1 was provided in response to staff's DR HAZ-7 in *CEC Data Request Response Set 1* [TN 254670]; however, the figure was not clear enough or at a scale that is useful. Staff needs a larger schematic site plan for the battery energy storage system (BESS). Please ensure that the site plan is also clearer than the one previously provided. The Conceptual BESS Layout should identify the anticipated location of the typical battery station within the overall site in relation to other equipment.

PROJECT DESCRIPTION

REV 1 DR PD-1. Based on the applicant's response in *CEC Data Request Response Set 2* [TN 255082] to staff's DR PD-8, which stated that "Oxygen will be vented to a safe location that does not create a hazard to the natural environment," staff has additional questions. Staff is aware that under certain meteorological conditions and oxygen flow rates, the release of pure oxygen into the atmosphere is known to concentrate in some areas and has resulted in fires or explosions. Therefore, please provide additional information on the precise location(s) of these vent(s), amount of oxygen (in pounds) vented during any release, time of day of venting, elevation of the release point (in feet), and proximity (in feet) of release vents to structures, the heights of these structures, and diagrams that show the shape of these structures. Furthermore, please explain how the operation would be designed to ensure that oxygen venting occurs at a safe distance from hydrogen venting. The application, at Section 4 Engineering, indicates that the project would be designed with minimal hydrogen venting, but acknowledges hydrogen venting is expected during maintenance, start up, and shutdown (Section 4, page 4-5).

REV 1 DR PD-2. In *CEC Data Response Set 2* to DR PD-14, Table 3 lists residential addresses within one mile of the project. However, staff specifically needs to know the direct mailing addresses for owners and occupants of all properties contiguous to the power plant, related facilities, transmission lines, or other linear facilities. If there are no contiguous properties where the site address of the property is different from the owner's mailing address (i.e., property not owner occupied), please make a statement to that effect. Otherwise, provide the site address and property owner address. This information is necessary to ensure that notification for

the project is made consistent with the requirements of the California Environmental Quality Act (Cal. Code Regs., tit. 14, § 15087(a)(3)).

REV 1 DR PD-3. In response to DR PD-16, Figure 5 in *CEC Data Request Response Set 2* appears to show photo simulations of the various project components, except for the photovoltaic (PV) panels. Please update this figure to include a photo simulation of the PV panels. Please also provide a clearer photo simulation of the other project components.

TRAFFIC AND TRANSPORTATION

REV 1 DR TRANS-1. In the response to DR TRANS-5 in *CEC Data Request Response Set 2*, the applicant noted that road improvements are anticipated for existing access roads and will be based on current geotechnical studies and continued stages of gen-tie design and engineering. Please describe public roadways and intersections that would be temporarily or permanently altered during construction including the duration of activities. So that staff can analyze the potential impacts from improvements to access roads, provide a more detailed description of the access points for the site during construction.

REV 1 DR TRANS-2. The response in *CEC Data Request Response Set 2* to staff's DR TRANS-8 states that "access roads and access points to each project component will be finalized as detailed Project design continues; precise locations of the access roads and access points are not available at this time." That statement does not meet the application requirements of California Code of Regulations, title 20, Chapter 5, Appendix B (g)(5)(E)(ii). At least a conceptual location and configuration of access locations need to be provided at this time. Please provide a description of access points for each project component (e.g., solar facility, battery energy storage system, green hydrogen facility, step-up substation, transmission line corridor, and the PG&E utility switchyard) and clearly marked maps illustrating the location of the new roads.

TRANSMISSION SYSTEM DESIGN

REV 1 DR TSD-1. The response to staff's DR TSD-3 in *CEC Data Request Response Set 4* includes Table 3 listing downstream network upgrades at the existing Los Banos, Midway, and Gates (or Manning) substations necessary to accommodate the proposed Darden Clean Energy Project. A brief description of the interconnection of the transmission lines is provided as the "existing setting". However, staff requires information about the existing site conditions (i.e., the physical environmental conditions) for each of the substations where upgrades would be made. Since the location of pull sites along the affected transmission lines have not been determined, staff also requires information about the existing site conditions of the transmission corridors affected by downstream upgrades. Staff has the following requests and clarifications:

- a. Please provide figures that show the existing site conditions at the Los Banos, Midway, Gates, and Manning substations and describe the existing site conditions.
- b. Please provide representative figures that show the transmission right of way that would be affected by downstream system upgrades and describe the existing site conditions.
- c. Please provide biological resources reconnaissance level survey results for special status plants and wildlife, vegetation communities, and jurisdictional water features for the affected transmission line right of way and substations.
- d. Please provide results of database searches such as California Natural Diversity Database, California Native Plant Society Rare Plant Inventory, U.S. Fish and Wildlife Service Information for Planning and Consultation, National Wetland Inventory, and U.S. Geological Survey National Hydrography Dataset maps for the affected transmission line right of way and substations.
- e. Please describe potential impacts to special status plants and animals, vegetation communities, and jurisdictional water features of the United States or the State of California along the affected transmission line right of way and substations.
- f. Please describe the anticipated efficacy of the PG&E construction measures for biological resources particularly for the Transmission Line Transposition Towers as part of the Manning Substation scope (*CEC Data Request Response Set 4*, p. 35).
- g. For cultural resources provide the following:
 - i. Records search from the California Historical Resources Information System (CHRIS) for the project area downstream network upgrades such as transmission lines, substations, and other ancillary facilities proposed or potentially affected and 0.5-mile buffer.
 - ii. Native American Heritage Commission (NAHC) search of the Sacred Lands File system.
 - iii. Evidence of outreach to Native American tribes potentially affiliated with the project area (list obtained through the NAHC). Include any comments or responses received from Tribes and outcome of any interactions.
 - iv. Confidential cultural resources inventory report of the project area that includes evaluations of any identified cultural resources for eligibility to the California Register of Historical Resources and assessment of project impacts upon any eligible resources.
 - v. Public (non-confidential) version of the cultural resources inventory report.

WATER RESOURCES

REV 1 DR WATER-1. The response to staff's DR WATER-1 in *CEC Data Request Response Set 4* indicates the applicant has opted to pursue zero liquid discharge (ZLD) for brine treatment. The water quality treatment process describes wastewater being sent to an evaporator where most of the remaining liquid is removed through boiling and evaporation.

Table 4 from the response to staff's DR WATER-3 in *CEC Data Responses Set 4* shows a daily wastewater generation rate of 236,579 gallons, which is reported to result in the generation of 40,600 pounds per day of solids. Title 20, Appendix B requires an applicant to provide a description of the water to be used and discharged by the project including average and maximum daily and annual water demand and wastewater discharge for both the construction and operation phases of the project.

Please provide the maximum daily and annual estimated flow rates for both water demand and wastewater generated including information as it relates specifically to wastewater (reverse osmosis reject) handling and disposal as this information was not provided in the applicant's responses to staff's DR WATER-1, as previously requested.

WORKER SAFETY

REV 1 DR WS-1. Figure 1 showing a typical BESS fire protection layout was submitted in response to staff's DR WS-3 on page 29 of *CEC Staff Data Request Response Set 1*; however, the figure was not clear enough for readability. Please submit a revised Figure 1 that is legible and easier to see how the BESS would be designed and sited. Please ensure that all components of the proposed BESS fire detection and suppression system are clearly marked on the figure including alarms, detectors, any water tanks, water mains and pipes, hydrants, fire water monitors (cannons), sprinkler or deluge systems, post-indicator valves, etc.

REV 1 DR WS-2. The applicant's response to staff's DR WS-3 in *CEC Staff Data Request Response Set 1* stated that "The BESS equipment to be used will be tested to demonstrate that they do not require built-in smoke, gas, or fire detection or suppression devices." Please provide justification for these statements with relevant studies, test results, and/or research articles.

REV 1 DR WS-3. The responses in *CEC Data Request Response Set 2* to staff's DR HAZ-3, DR HAZ-5, DR HAZ-7, and Appendix A (DR HAZ-7) all address the BESS choices. Page 17 of Appendix A describes proposed firefighting measures. Please provide any correspondence from the Fresno County Fire Protection District indicating that the department has reviewed the proposed firefighting measures for the project and finds that those measures are adequate. Also, please provide

specific safety data sheets for each lithium-ion battery electrolyte associated with the various types of batteries that could be used, as found on page 5 of Appendix A.