

Board Energy Resources & Customer Services

Committee Meeting and Special SMUD Board of Directors Meeting

Date: Tuesday, October 15, 2024

Time: Immediately following the Finance & Audit Committee
and Special SMUD Board of Directors Meeting
scheduled to begin at 6:00 p.m.

Location: SMUD Headquarters Building, Auditorium
6201 S Street, Sacramento, CA



Powering forward. Together.



AGENDA
BOARD ENERGY RESOURCES & CUSTOMER SERVICES
COMMITTEE MEETING
AND SPECIAL SMUD BOARD OF DIRECTORS MEETING

Tuesday, October 15, 2024
SMUD Headquarters Building, Auditorium
6201 S Street, Sacramento, California
Immediately following the Finance & Audit Committee and
Special SMUD Board of Directors Meeting scheduled to begin at 6:00 p.m.

This Committee meeting is noticed as a joint meeting with the Board of Directors for the purpose of compliance with the Brown Act. In order to preserve the function of the Committee as advisory to the Board, members of the Board may attend and participate in the discussions, but no Board action will be taken. The Energy Resources & Customer Services Committee will review, discuss and provide the Committee's recommendation on the following:

Virtual Viewing or Attendance:

Live video streams (view-only) and indexed archives of meetings are available at:
http://smud.granicus.com/ViewPublisher.php?view_id=16

Zoom Webinar Link: [Join Board Energy Resources & Customer Services Committee Meeting Here](#)

Webinar/Meeting ID: 160 234 9794

Passcode: 328497

Phone Dial-in Number: 1-669-254-5252 or 1-833-568-8864 (Toll Free)

Verbal Public Comment:

Members of the public may provide verbal public comment by:

- Completing a sign-up form at the table outside of the meeting room and giving it to SMUD Security.
- Using the “Raise Hand” feature in Zoom (or pressing *9 while dialed into the telephone/toll-free number) during the meeting at the time public comment is called. Microphones will be enabled for virtual or telephonic attendees when the commenter’s name is announced.

Written Public Comment:

Members of the public may provide written public comment on a specific agenda item or on items not on the agenda (general public comment) by submitting comments via email to PublicComment@smud.org or by mailing or bringing physical copies to the meeting. Email is not monitored during the meeting. Comments will not be read into the record but will be provided to the Board and placed into the record of the meeting if received within two hours after the meeting ends.

DISCUSSION ITEMS

1. Tracy Carlson

Discuss authorization of the Chief Executive Officer and General Manager to enter into (1) a contract with **Sonoma Clean Power (SCP)** to provide **Community Choice Aggregation (CCA)** data management and related services and (2) vendor contracts (except technology platform subscription service contracts which are addressed through the annual budget process) to facilitate the ongoing operations of **SCP** provided that no individual contract shall exceed \$1 million.
Presentation: 5 minutes
Discussion: 10 minutes
2. Chad Adair
Emily Bacchini

Discuss authorization of the Chief Executive Officer and General Manager to negotiate and execute the **Transaction Confirmation** agreement with **Sanborn 2 PV I, LLC** for an 8-year term for 46 MW of renewable solar photovoltaic power from the **Sanborn 2 PV I, LLC project (S2PVI Project)** at an annual approximate cost of \$4.4 million, substantially in the form attached, and all other agreements necessary to facilitate the **S2PVI Project**.
Presentation: 5 minutes
Discussion: 10 minutes
3. Elias van Ekelenburg

Discuss adoption of the **California Environmental Quality Act (CEQA) Initial Study and Mitigated Negative Declaration (IS/MND)** for the **Folsom Administrative Operations Building Project**; adopt the **Mitigation Monitoring and Reporting Plan**; and approve the **Project**.
Presentation: 15 minutes
Discussion: 5 minutes

INFORMATIONAL ITEMS

4. Public Comment
5. Brandon D. Rose

Summary of Committee Direction.
Discussion: 1 minute

ANNOUNCEMENT OF CLOSED SESSION AGENDA

1. Public Employment.

Pursuant to Section 54957 of the Government Code:

CEO and General Manager.

Members of the public shall have up to three (3) minutes to provide public comment on items on the agenda or items not on the agenda, but within the jurisdiction of SMUD. The total time allotted to any individual speaker shall not exceed nine (9) minutes.

Members of the public wishing to inspect public documents related to agenda items may click on the Information Packet link for this meeting on the smud.org website or may call 1-916-732-7143 to arrange for inspection of the documents at the SMUD Headquarters Building, 6201 S Street, Sacramento, California.

ADA Accessibility Procedures: Upon request, SMUD will generally provide appropriate aids and services leading to effective communication for qualified persons with disabilities so that they can participate equally in this meeting. If you need a reasonable auxiliary aid or service for effective communication to participate, please email Toni.Stelling@smud.org, or contact by phone at 1-916-732-7143, no later than 48 hours before this meeting.

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date

ERCS – 10/15/2024

Board Meeting Date

October 17, 2024

TO				TO			
1.	Tracy Carlson	6.					
2.	Brandy Bolden	7.					
3.	Frankie McDermott	8.					
4.	Lora Anguay	9.	Legal				
5.	Suresh Kotha	10.	CEO & General Manager				
Consent Calendar	X	Yes		Budgeted	X	Yes	
FROM (IPR)				DEPARTMENT			
Ali Crawford				Community Energy Services			
MAIL STOP			EXT.				DATE SENT
NA			5676				9/19/24

NARRATIVE:

Requested Action: Authorize the Chief Executive Officer and General Manager to enter into (1) a contract with Sonoma Clean Power (SCP) to provide Community Choice Aggregation (CCA) data management and related services and (2) vendor contracts (except technology platform subscription service contracts which are addressed through the annual budget process) to facilitate the ongoing operations of SCP provided that no individual contract shall exceed \$1 million.

Summary: Community Choice Energy was created in California by Assembly Bill 117 (2002), which authorized local governments to aggregate customer electric load and purchase electricity for customers in the service territories of investor-owned utilities. SCP is a CCA formed in 2012 which serves about 230,000 residential and commercial electricity customers across Sonoma and Mendocino Counties.

SMUD has significant experience performing the services required by SCP making SMUD a logical provider. For over 75 years as a community-owned electric utility, SMUD has performed many of the same services for its own service territory, and since 2017 has provided similar services to other CCAs, including Valley Clean Energy (VCE), Ava Community Energy (Ava), and Marin Clean Energy (MCE).

SCP recently contacted SMUD to provide the following services: Data Management, Billing, Contact Center, Custom Reporting, and Customer Relationship Management (CRM) Systems. SCP determined that they are not required to do a competitive solicitation for the above work as there are only two providers currently doing this kind of work in California, SMUD and Calpine Corporation, and SCP had experienced Calpine for over a decade. Based on SMUD's strong performance on similar work for other CCAs, prior market research and consulting work for SCP, and a good reputation in the industry, SCP notified SMUD that they would like to simply contract with SMUD. The SCP Board voted to award SMUD the contract on October 3, 2024. Staff believes providing SCP services will present both net financial benefits for SMUD, as well as foster public power and regional clean energy solutions. The proposed services will leverage the systems and services already in place for VCE, Ava and MCE, and thereby contribute to increased net revenue for SMUD and economies of scale in our CCA service offerings. SMUD will ensure that its financial viability, internal operations, and customer service portfolio are not adversely affected by providing SCP services.

Board Policy: Strategic Direction SD-2, Competitive Rates, by providing access to a new business opportunity which will create revenue that will help keep SMUD's rates low; Strategic Direction SD-11, Public Power Business Model, by assisting other local government entities to provide the benefits of public power to their communities; Strategic Direction SD-19, Diversified Business, by broadening and diversifying the products and services we offer to generate new revenues that contribute to SMUD's long-term financial health.

Benefits: This contract provides revenue for SMUD and support public power and regional decarbonization.

Cost/Budgeted: Cost included in budget.

Alternatives: The alternative would be to bring the SCP contract and vendor procurements to the Board for approval, which could delay SMUD's ability to provide services in a timely manner, potentially not meeting SCP's April 30, 2025, implementation deadline and the transition to SMUD's service beginning May 1, 2025.

Affected Parties: Community Energy Services, Information Technology, SCP, SCP customers

Coordination: Community Energy Services, Information Technology, SCP, SCP customers

Presenter: Tracy Carlson, Director Customer Success

SUBJECT	ITEM NO. (FOR LEGAL USE ONLY)
Foundational Services Agreement between Sonoma Clean Power and SMUD	

ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.

SSS No.
ET&C 24-052

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date ERCS – 10/15/24
Board Meeting Date October 17, 2024

TO				TO			
1. Jon Olson	6. Lora Anguay			7. Brandy Bolden	8. Frankie McDermott	9. Legal	10. CEO & General Manager
Consent Calendar	<input checked="" type="checkbox"/> Yes	No If no, schedule a dry run presentation.		Budgeted	<input checked="" type="checkbox"/> Yes	No (If no, explain in Cost/Budgeted section.)	
FROM (IPR) Tomislav Fischbach	DEPARTMENT Energy Trading & Contracts			MAIL STOP A404	EXT. 5775	DATE SENT 9/20/2024	
NARRATIVE:							
<p>Requested Action: Authorize the Chief Executive Officer and General Manager, or his delegate, to negotiate and execute the Transaction Confirmation agreement with Sanborn 2 PV I, LLC for an 8-year term for 46 MW of renewable solar photovoltaic power from the Sanborn 2 PV I, LLC project (S2PVI Project) at an annual approximate cost of \$4.4 million, substantially in the form attached, and all other agreements necessary to facilitate the S2PVI Project.</p> <p>Summary: The California Energy Commission (CEC) mandates continuously escalating procurement of renewable energy by load-serving entities in California under the Renewables Portfolio Standard (RPS). The renewable generation from this contract will support RPS Compliance Periods 5 (2025-2027), 6 (2028-2030), and beyond.</p> <p>SMUD received a competitive offer from Terra-Gen, LLC for the S2PVI Project and performed an evaluation of the market to determine that this project provided superior value versus the available alternatives. SMUD has executed an Edison Electric Institute (EEI) Master Agreement with Sanborn 2 PV I, LLC, a subsidiary of Terra-Gen, LLC, and negotiated an 8-year (2027-2034) purchase of renewable generation from S2PVI, a solar project located in the California Independent System Operator (CAISO) footprint near Mojave, California, in Kern County. This transaction will secure an annual supply of Portfolio Content Category 1 Renewable Energy Certificates (PCC1 RECs) for up to 155,000 MWh annually with an annual minimum guarantee of approximately 75,000 MWh.</p> <p>Board Policy: Strategic Direction SD-2, Competitive Rates; Strategic Direction SD-7, Environmental Leadership; (Number & Title) Strategic Direction SD-9, Resource Planning</p> <p>Benefits: Securing an annual supply of PCC1 RECs below spot market pricing. Supports SMUD's RPS compliance and the 2030 Zero Carbon Plan.</p> <p>Cost/Budgeted: REC purchases are already budgeted</p> <p>Alternatives: Buy RECs at higher spot prices</p> <p>Affected Parties: Energy Trading & Contracts, Energy Settlements, Resource Planning, Commodity Risk Management, Treasury, and Legal.</p> <p>Coordination: Energy Trading & Contracts and Legal</p> <p>Presenter: Chad Adair, Manager, Energy Contracts Emily Bacchini, Manager, Environmental Regulations</p>							

Additional Links:	

SUBJECT	Execute 8-year Confirmation to Purchase PCC1 RECs from Sanborn 2 PV	ITEM NO. (FOR LEGAL USE ONLY)
---------	--	-------------------------------

ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.

Sanborn 2 PV I, LLC	Sacramento Municipal Utility District
Contract ID:	Contract ID:
Phone: (646) 829-3901	Phone: (916) 732-5775
E-mail:	E-mail: tomislav.fischbach@smud.org

**TRANSACTION CONFIRMATION
Bundled Energy + RECs**

This Transaction Confirmation (this “Confirmation”) is entered into this 4th day of October, 2024 (“Effective Date”), by and between **Sanborn 2 PV I, LLC**, a Delaware limited liability company (“S2PVI”), and **Sacramento Municipal Utility District** (“SMUD”), each referred to herein individually as a “Party” and collectively as the “Parties”, regarding the purchase and sale of the Products defined below under the terms and conditions herein. Additional definitions are included under the “Definitions / Interpretations” section below. Capitalized terms used but not defined herein shall have the meanings set forth in the Master Agreement (as such term is defined below).

Transaction:

Seller: S2PVI

Buyer: SMUD

Master Agreement: The Edison Electric Institute Master Power Purchase and Sale Agreement between the Parties, dated as of September 30th, 2024 (collectively, the “Master Agreement”). In the event of a conflict between the terms of this Confirmation and the terms of the Master Agreement, the terms of this Confirmation shall prevail with respect to the Transactions evidenced by this Confirmation.

Project: Seller’s Sanborn 2 PV I solar project located in Mojave, California, in _____ County, California, which has or will be certified by the CEC as an ERR, as that term is defined below, and as more particularly described in Exhibit 1.

Transactions: Throughout the Delivery Period, so long as no Event of Default or Potential Event of Default shall have occurred with respect to Buyer, Buyer shall be the exclusive purchaser of and hereby agrees to purchase the Products (but excluding any and all Excess Products, Storage Products, ancillary services, capacity attributes, or Resource Adequacy Capacity (as such term is defined in the Tariff)).

Scheduled

COD:

January 1, 2027, subject to extension on a day-for-day basis, up to 180 days in the aggregate, for each day that Commercial Operation of at least the Minimum Contract Capacity is delayed due to an event of Force Majeure.

Guaranteed

COD:

March 31, 2027, subject to extension on a day-for-day basis, up to 180 days in the aggregate, for each day that Commercial Operation of at least the Minimum Contract Capacity is delayed due to an event of Force Majeure.

Delivery Period:

The period commencing on the later of (a) the Scheduled COD, and (b) the day immediately following the achievement of Commercial Operation, and ending on December 31, 2034 (inclusive), unless earlier terminated pursuant to the terms hereof, provided that the RECs

attributable to the Energy generated during the Delivery Period but created after the Delivery Period shall be transferred to and paid for by Buyer in accordance with the terms of this Confirmation.

Failure to Achieve

COD:

Notwithstanding any other provision of this Confirmation or the Master Agreement to the contrary, Seller's failure to achieve Commercial Operation of at least ninety percent (90%) of the full Contract Capacity ("Minimum Contract Capacity") by the Scheduled COD shall result in payment of liquidated damages ("Delay Damages") to Buyer equal to \$150 per MW of Contract Capacity per day for each MW portion that is less than the Minimum Contract Capacity, to be adjusted daily as installed capacity of the Project achieves Commercial Operation (if applicable). The aggregate Delay Damages shall not exceed the amount of Seller's Credit Support.

If the Project fails to achieve Commercial Operation of at least the Minimum Contract Capacity on or prior to the Guaranteed COD, then Buyer shall have the right, but not the obligation, in its sole discretion to terminate this Agreement by providing notice of termination to Seller, provided that such termination right shall expire once the Project achieves Commercial Operation of at least the Minimum Contract Capacity. If the Scheduled COD and Guaranteed COD have been extended for 180 days due to Force Majeure and Seller's ability to achieve Commercial Operation of at least the Minimum Contract Capacity continues to be delayed due to Force Majeure, then either Party may terminate this Agreement by providing notice of termination to the other Party, provided that such termination right shall expire once the Project achieves Commercial Operation of at least the Minimum Contract Capacity. Upon termination of this Agreement by either Party pursuant to this "Failure to Achieve COD" section, neither Party shall have any financial or other liability to the other Party arising out of such termination, except that Seller shall pay Buyer liquidated damages in the amount of three million eighty-two thousand dollars (\$3,082,000), minus the aggregate amount of any Delay Damages previously paid by Seller ("Pre-COD Termination Damages") within ten (10) Business Days after such termination; provided, however, that Seller will not be required to pay the Pre-COD Termination Damages in connection with such termination if Seller's ability to achieve Commercial Operation of at least the Minimum Contract Capacity has been delayed by more than 180 days due to Force Majeure. Receipt of the Pre-COD Termination Damages is Buyer's sole and exclusive remedy, and Seller's sole and exclusive liability, for any failure of Seller to achieve Commercial Operation of at least the Minimum Contract Capacity on or prior to the Guaranteed COD or to achieve Commercial Operation at all. Notwithstanding anything to the contrary herein, in no event will Seller's aggregate liability under this Agreement prior to achieving Commercial Operation of at least the Minimum Contract Capacity exceed the amount of the Pre-COD Termination Damages.

Delivery Point:

CAISO PNode assigned to the Project by the CAISO, or, for Replacement Product, the CAISO PNode assigned to the generating facility providing the Replacement Product

Scheduling:

Seller or Seller's designee will perform all scheduling requirements as may be applicable to the Energy portion of the Product. Such scheduling will be performed consistent with the Tariff.

PART 1 – ENERGY AND REC DELIVERY OBLIGATIONS

<i>RPS Product:</i>	As used herein, “ <u>Product</u> ” shall mean Energy produced by the Project and delivered to the Delivery Point, simultaneously bundled with the Renewable Energy Credits (“ <u>RECs</u> ”) associated with such Energy (as evidenced by WREGIS Certificates) under the Applicable Program.
<i>Applicable Program:</i>	State of California Renewables Portfolio Standard Program (hereinafter referred to as “ <u>California RPS</u> ”, “ <u>Renewables Portfolio Standards</u> ” or “ <u>RPS Program</u> ”), as codified at California Public Utilities Code Section 399.11, <i>et seq.</i>
<i>Contract Capacity:</i>	46 MW
<i>Minimum Annual Contract Quantity:</i>	For each Contract Year during the Delivery Period, the amount set forth as the Minimum Annual Contract Quantity for such year in <u>Schedule A</u> , provided, however, that if a Contract Year is less than a full calendar year, then the Minimum Annual Contract Quantity for such Contract Year shall be automatically revised to equal the product of (a) the original volume set forth in <u>Schedule A</u> for such Contract Year, multiplied by (b) the quotient of the total number of days included in such Contract Year, divided by 365 days.
<i>Maximum Annual Contract Quantity:</i>	For each Contract Year during the Delivery Period, the amount set forth as the Maximum Annual Contract Quantity for such year in <u>Schedule A</u> .
<i>Contract Quantity:</i>	For each Contract Year during the Delivery Period, Seller shall deliver to Buyer one hundred percent (100%) of the Product produced by the Project, but not to exceed the Maximum Annual Contract Quantity for such Contract Year (the “ <u>Annual Contract Quantity</u> ”). Given the intermittent nature of the resource, Buyer understands the actual volume of delivered Product may vary; provided however, notwithstanding anything to the contrary herein, (a) Seller shall, as Buyer’s sole and exclusive remedy, pay LDs as provided in the Damages section below if the Annual Contract Quantity is lower than the Minimum Annual Contract Quantity, and (b) once the Product produced by the Project in a given Contract Year equals the Maximum Annual Contract Quantity for such Contract Year, with respect to any Product subsequently produced by the Project in excess of the Maximum Annual Contract Quantity in such Contract Year (“ <u>Excess Product</u> ”), Seller shall have the right to sell such Excess Product to one or more third parties and to retain any associated revenue.
<i>REC Vintage Period:</i>	The vintage period of RECs shall correspond to the calendar year in which the Energy component of the Product or Replacement Product, as applicable, is delivered.
<i>Contract Price:</i>	The price for each MWh of Product or Replacement Product delivered to Buyer (the “ <u>Contract Price</u> ”) shall consist of the Energy Price and the REC Price, calculated as follows: Contract Price = Energy Price + REC Price where:

“Energy Price” shall mean the applicable Locational Marginal Price (as such term is defined in the Tariff) for Energy delivered at the applicable Delivery Point per MWh determined in accordance with the procedures and rules of the California ISO; and

“REC Price” shall mean [REDACTED] per MWh (*i.e.*, per REC) for the Product conveyed to Buyer in accordance with the terms of this Confirmation.

Seller shall retain the revenue received by Seller or the Scheduling Coordinator (as such term is defined in the Tariff) for the Project from CAISO for the Energy component of the Product or Replacement Product, in full satisfaction of Buyer’s payment obligation for the Energy Price component of the Product or Replacement Product, as applicable. The Parties acknowledge that such CAISO revenues retained by Seller may be greater than or less than the revenues that would have resulted based on the Energy Price published by the CAISO. For avoidance of doubt, Buyer’s net payment obligation for delivered Product or Replacement Product under this Transaction is [REDACTED] per MWh.

Settlements and Payment:

Seller shall deliver the Product by (i) delivering Energy from the Project to the California ISO on behalf of Buyer at the Delivery Point in accordance with the California ISO requirements and procedures and (ii) transferring the RECs by transferring the associated WREGIS Certificates and associated NERC e-Tags (if applicable) through WREGIS, to Buyer’s designated WREGIS account(s) (maintained by Buyer, at Buyer’s sole cost and expense). California ISO shall pay the Energy Price directly to Seller for the Energy portion of the Product in accordance with the California ISO requirements and procedures and Buyer shall not be required to pay such amount to Seller. Buyer shall pay the REC Price to Seller no later than ten (10) Days following receipt of Seller’s invoice subsequent to the transfer of the RECs by Seller to Buyer pursuant to this Confirmation. Seller may invoice any time after it transfers such RECs to Buyer.

Damages:

With respect to any Contract Year after the first Contract Year, if the quantity of RECs associated with Energy for such Contract Year that is delivered to Buyer by the date that is one hundred twenty (120) days after the end of the applicable Contract Year plus Seller-Excused Energy during such Contract Year is less than the Minimum Annual Contract Quantity for such Contract Year, Seller shall at its option either replace such shortfall through PCC1-qualifying resources (“Replacement RECs”) by the date that is one hundred twenty (120) days after the end of the then-current Contract Year from other resources or pay Buyer liquidated damages (“LDs”) equal to the product of A and B, where:

A = The positive difference, if any, of: Minimum Annual Contract Quantity for such Contract Year – (RECs delivered + Seller-Excused Energy + Replacement RECs delivered for such Contract Year)

B = The positive difference, if any, of: the Replacement RECs Value for the applicable Contract Year – REC Price for such Contract Year

“Seller-Excused Energy” means the Energy that the Project could have produced but did not due to (i) events of Force Majeure at the Project or Delivery Point, (ii) periods during which generation or transmission is curtailed or interrupted for system emergencies, reliability, congestion, over-generation or any other reason not caused by the action or inaction of Seller, (iii) Buyer’s Event of Default, and/or (iv) the implementation of 50 hours of Planned Outages and/or Off-Peak Opportunity RA Maintenance Outages (as such term is defined in the Tariff) per Contract Year. For the purposes of calculating Seller-Excused Energy, Seller-Excused

Energy shall be based on Seller's reasonable forecast of the Energy that could have been produced by the Project if not for the Seller-Excused Energy event, to consider solar insolation, Project availability, and all other reasonable variables.

Replacement

RECs

Value:

The price per REC at which Buyer, acting reasonably, can purchase Replacement RECs, will not exceed \$50.00 per MWh. For avoidance of doubt, Replacement RECs may be from other renewable resources.

Contract Year:

Each calendar year, or fraction thereof, during the Delivery Period, provided, that the first Contract Year shall commence on the first day of the Delivery Period and end on December 31, 2027 and the last Contract Year shall commence on January 1, 2034 and end on December 31, 2034.

REC Delivery:

Seller shall deliver and convey the applicable RECs to SMUD by transferring, via WREGIS to the account designated by SMUD, the WREGIS Certificates within five (5) Business Days after the WREGIS certificates are created. The transfer shall be made in accordance with the rules and regulations of WREGIS. Buyer acknowledges that certification under WREGIS requires, among other things, WREGIS be notified that the Project has achieved commercial operations and Seller shall notify WREGIS of the same. The Parties acknowledge that the creation and delivery of the WREGIS Certificates associated with the Product or Replacement Product, as applicable, may occur after the Energy has been delivered and invoiced, therefore the invoice may contain charges for Energy and WREGIS Certificates which were not generated in the same month(s).

Data Reports:

After the end of each quarter during the Delivery Period, Seller shall promptly provide Buyer with meter data from the Project relating to the Energy portion of the Product delivered to Buyer when available (but not later than the twentieth (20th) Business Day after the end of the applicable quarter). Seller shall use commercially reasonable efforts to keep and maintain any other documentation supporting claims of production, delivery, and transfer of the Product delivered to Buyer and shall provide it to Buyer as may be required for Buyer to meet Applicable Program requirements as may be reasonably requested by Buyer.

Change in Law

Provisions:

In the event of a Change in Law in the designated Applicable Program, the Parties shall make commercially reasonable efforts to obtain compliance with such Change in Law, provided that Seller shall not be required to spend, together with the aggregate costs incurred by Seller within the scope of Special Provision B(5) below, more than fifty thousand dollars (\$50,000.00) in documented expenses in any single calendar year or, in the aggregate, more than two hundred fifty thousand dollars (\$250,000.00) in documented expenses after the Effective Date in Seller's efforts to obtain such compliance (such limits, collectively, the "Change in Law Cost Cap"). Seller shall keep Buyer reasonably informed of its efforts to obtain compliance. If despite such efforts to obtain compliance, including expenditure by Seller of the dollar amounts specified above, Seller cannot obtain compliance:

- i. Buyer shall not be liable for damages for failure to accept delivery of the Product if Buyer refuses to accept delivery of the REC after the Change in Law solely due to the Change in Law;

- ii. Seller shall not be liable for damages for failure to initiate delivery of the Product if Seller is unable to initiate delivery of the REC after the Change in Law solely due to the Change in Law;
- iii. Seller shall not be in breach of this Confirmation for a failure to perform caused by such Change in Law; and
- iv. either Party shall have the right to terminate this Confirmation in the event of a Change in Law in the designated Applicable Program, and Seller is unable to obtain compliance pursuant to this section. Such termination is effectuated on thirty (30) days' written notice to the other Party and, provided that no Event of Default shall have occurred and be continuing at the time of such termination, neither Party shall be liable to the other Party for any damages or costs (including any termination payment) for such early termination, provided that Buyer will remain liable for any unpaid amounts due with respect to RECs delivered prior to such Change in Law.

Notwithstanding the above, the Parties may mutually agree to address the issue of Seller's inability to obtain compliance, including but not limited to Buyer agreeing to fund additional expenditures by Seller to comply.

Special Provisions:

A. Non-Modifiable Standard Terms and Conditions

- (1) Eligibility: Seller, and, if applicable, its successors, represents and warrants, throughout the Delivery Period of this Agreement, that the Project qualifies and is certified by the CEC as an Eligible Renewable Energy Resource (“ERR”) as such term is defined in Public Utilities Code Section 399.12 or Section 399.16. To the extent a Change in Law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such Change in Law.
- (2) Applicable Law. This Agreement and the rights and duties of the Parties hereunder shall be governed by and construed, enforced, and performed in accordance with the laws of the state of California, without regard to principles of conflicts of law. To the extent enforceable at such time, each Party waives its respective right to any jury trial with respect to any litigation arising under or in connection with this Agreement.
- (3) Transfer of Renewable Energy Credits: Seller and, if applicable, its successors, represents and warrants that throughout the Delivery Period of this Agreement the RECs transferred to Buyer conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, CEC RPS Guidebook and as may be modified by subsequent decision of the California Public Utilities Commission or CEC, or by subsequent legislation. To the extent a Change in Law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such Change in Law in accordance with the Changes in Law Provisions of this Confirmation.
- (4) Tracking of RECs in WREGIS: Seller and Buyer each warrants that all necessary steps to allow the RECs transferred to Buyer pursuant to this Confirmation to be tracked in Western Renewable Energy Generation Information System will be taken prior to the first delivery under this Confirmation.

B. Additional Terms and Conditions

(1) Seller Representations and Warranties: Seller represents and warrants at the time of each delivery of Product to SMUD, pursuant to this Confirmation, with respect to such Product that:

- (a) Seller has not sold the Product to be transferred to SMUD to any other person or entity;
- (b) the Product delivered meets the specifications set forth herein;
- (c) the Energy portion of the Product is from the Energy generated by the Project, except with respect to Replacement RECs which Energy shall be sourced from other PCC1-qualifying resources; and
- (e) all rights, title and interest in and to the Product are free and clear of any taxes or security interests except for any right or interest by any entity claiming through SMUD.

(2) CEC Certification: Seller shall, promptly upon CEC approval, provide SMUD with a copy of the CEC certification of the Project(s) as eligible for the California Renewables Portfolio Standard under the CEC RPS Guidebook, and for each ERR shall provide the individual FERC ID number, NERC ID, number and EIA ID number.

(3) Review: To monitor compliance with this Confirmation, each Party reserves the right to review during normal business hours and at its own expense, for up to two (2) years following delivery of the RECs under this Confirmation, and with reasonable advance notice to the other Party, information in the possession of the other Party required to verify that the Product sold to Buyer under this Confirmation was not otherwise sold by Seller to a third party.

(4) Clarification of STCs. Without limiting the final sentence of Special Provision A(1) and A(3), it shall also not be an Event of Default if a Change in Law that takes effect after the delivery of any RECs or output from the Project, in each case, under this Confirmation, causes the representation and warranty made with respect to such RECs or output to be materially false or misleading or if such representation or warranty is not correct because the CEC has not yet certified the Project as an ERR.

(5) Green-e Tracking Attestation. During the Delivery Period, Seller shall maintain an approved Tracking Attestation Form on file with the Center for Resource Solutions (or its successor entity) (“CRS”); provided, however, that if there is any change in CRS requirements following the Effective Date for maintaining an approved Tracking Attestation Form on file with CRS, then Seller will only be required to comply with this Special Provision B(5) to the extent it can be achieved at a cost to Seller that, together with the aggregate cost to Seller of all other applicable actions within the scope of the “Change in Law Provisions” section above, is no greater than the Change in Law Cost Cap.

C. Collateral Support Requirements

(1) Seller's Credit Support. Within fifteen (15) Business Days after the Effective Date, and ending upon the first date that both the Delivery Period has ended and Seller has satisfied all of its payment obligations due and owing to Buyer under this Agreement, Seller will post or issue and maintain, or cause to be posted or issued and maintained, in favor of Buyer, Credit Support to secure Seller's obligations under this Agreement; provided, Seller has no obligation to replenish Seller's Credit Support after any draw on Seller's Credit Support by Buyer.

(2) Buyer's Credit Support. Within fifteen (15) Business Days after the Effective Date, and ending upon the first date that both the Delivery Period has ended and Buyer has satisfied all of its payment obligations due and owing to Seller under this Agreement, for any period in which Buyer is no longer a Creditworthy Entity, Buyer will post or issue and maintain, or cause to be posted or issued and maintained, in favor of Seller, Credit Support to secure Buyer's obligations under this Agreement; provided, Buyer has no obligation to replenish Buyer's Credit Support after any draw on Buyer's Credit Support by Seller so long as Buyer is a Creditworthy Entity.

(3) Security Interest. To secure its obligations under this Agreement, each Party posting Credit Support (the “Credit Support Provider”) hereby grants to the other Party, as the secured party (the “Credit Support Beneficiary”), a first priority and continuing security interest in, and lien on (and right of setoff against), and assignment of any Cash account, any Credit Support provided in the form of Cash and all Cash obtained by Credit Support Beneficiary resulting from a draw on Credit Support other than Cash, and all proceeds resulting therefrom or from the liquidation thereof, whether now or hereafter held by, on behalf of, or for the benefit of the Credit Support Beneficiary, and Credit Support Provider agrees to take such action as Credit Support Beneficiary reasonably requires to protect the Credit Support Beneficiary’s first-priority security interest in, and lien on (and right of setoff against), such collateral and all proceeds resulting therefrom or from the liquidation thereof; provided, however, that the Credit Support Beneficiary may exercise its rights as a secured party (including the right of setoff granted pursuant to this sentence) against such Cash account and Cash collateral only upon the terms and conditions of this Agreement. If Credit Support Beneficiary receives Cash proceeds from a Letter of Credit pursuant to a drawing made in accordance with this Agreement, then the Credit Support Beneficiary will deposit such proceeds in a Cash account in accordance with Special Provision (C)(4), immediately below, under terms and conditions that allow the proceeds to be disbursed to Credit Support Beneficiary and provide for disbursement to Credit Support Provider upon the terms and conditions of this Agreement; provided, however, the inability to deposit such Cash proceeds into a Cash account, including as a result of the non-cooperation of the Credit Support Provider, shall not limit the right of Credit Support Beneficiary to receive, hold and apply such Cash collateral in accordance with the terms of this Agreement. Cash collateral will constitute Credit Support for all purposes of this Agreement.

(4) Drawing of Credit Support. If an Event of Default has occurred and is continuing, Credit Support Beneficiary will be entitled to draw upon Credit Support in an amount equal to any amounts due and owing to such Credit Support Beneficiary that have not been paid within the time provided under this Agreement that arise from (i) such Event of Default, or (ii) any prior Event of Default to the extent that such amounts due and owing arising therefrom have not yet been paid in full to the Credit Support Beneficiary. In the case of Credit Support in the form of a Letter of Credit, Credit Support Beneficiary may draw the full amount of such Letter of Credit within thirty (30) days before the expiration of such Letter of Credit if, as of the date of such drawing, Credit Support Beneficiary does not receive replacement Credit Support meeting the requirements of this Agreement and the proceeds of any such draw will constitute collateral provided to the beneficiary in the form of Cash. If the Credit Support Beneficiary draws on the Letter of Credit as provided in the preceding sentence, the Cash will be maintained in a custodial account at a national bank reasonably acceptable to the applicant. The Credit Support Beneficiary may withdraw funds from such account to pay any amount due and owing by the applicant under this Agreement that has not been paid within the time provided under this Agreement. The Credit Support contemplated by this Special Provision (C) (including subparagraphs (1) through (6)) constitutes security for, but is not a limitation of, liability for either Party’s obligations and liabilities under this Agreement.

(5) Release Upon Termination. Credit Support will be released or returned, as applicable, to the Credit Support Provider immediately upon the first date that (a) the Delivery Period has ended, (b) such Credit Support Provider has satisfied all of its payment obligations to the other Party hereunder, and (c) such Credit Support Provider has confirmed in writing to the other Party that there will be no additional disputes regarding the correctness of an invoice or any adjustment to an invoice pursuant to Section 6.3 of the Master Agreement.

(6) Uniform Commercial Code Waiver. Section 8 of the Master Agreement and this Confirmation set forth the entirety of the agreement of the Parties regarding credit, collateral, and financial adequate assurances. Except as expressly set forth in this Special Provision (C) (including subparagraphs (1) through (6)), neither Party (a) has or will have any additional obligation to post Credit Support, pay deposits, make any other prepayments, or provide any other financial assurances in any form whatsoever; or (b) will have reasonable grounds for insecurity with respect to the creditworthiness of a Party that is complying with the relevant provisions of this Agreement.

(7) Letter of Credit Default. It shall be an Event of Default of the Credit Support Provider under this Confirmation upon the occurrence of a Letter of Credit Default with respect to any Letter of Credit issued in support of any obligations of such Party under this Confirmation or any issuer of any such Letter of Credit, and such default is not cured within five (5) Business Days after written notice from the other Party.

PART 2 - DEFINITIONS / INTERPRETATIONS: For purposes of this Confirmation, the following definitions and rules of interpretations shall apply:

“Applicable Law” means all legally binding constitutions, treaties, statutes, laws, ordinances, rules, regulations, orders, interpretations, permits, judgments, decrees, injunctions, writs and orders of any Governmental Authority or arbitrator that apply to the Applicable Program or any one or both of the Parties or the terms hereof.

“Applicable Program” means the California RPS.

“Buyer’s Credit Support” means Credit Support posted by Buyer pursuant to Special Provision C(2).

“CAISO” or **“California ISO”** means the California Independent System Operator Corporation, or its successor.

“California Renewables Portfolio Standard” and **“California RPS”** mean the renewable energy program and policies codified in California Public Utilities Code Sections 399.11 through 399.32 as such provisions are amended or supplemented from time to time.

“Cash” means Credit Support in the form of U.S. Dollars.

“CEC” means the California Energy Commission or its regulatory successor.

“CEC RPS Guidebook” means Renewables Portfolio Standard Eligibility Guidebook, 9th Edition (Revised), publication number CEC-300-2016-006-ED9-CMF-REV, adopted April 27, 2017,

“Change in Law” means the occurrence, after the Effective Date, of any of the following: (a) the adoption or taking effect of any law, rule, regulation or treaty; (b) any change in any law, rule, regulation or treaty or in the administration, interpretation or application thereof by any Governmental Authority; or (c) the making or issuance of any request, guideline or directive (whether or not having the force of law) by any Governmental Authority which, when applying a commercially reasonable standard, is applicable to performance of this Agreement

“Commercial Operation” means the successful achievement of the following conditions: (i) all necessary permits for the Project have been obtained and all conditions to operate the Project have been satisfied and complied with in order to produce, sell, and transmit Energy; (ii) Seller has received final permission to parallel from the Participating Transmission Owner (as such term is defined in the Tariff); (iii) Seller and the CAISO have executed and Seller has delivered evidence of the Participating Generator Agreement (as such term is defined in the Tariff) to Buyer; and (iv) Seller has confirmed to Buyer in writing that conditions set forth under (i) – (iv) of this definition have been achieved.

“Commercial Operation Date” is the date on which Commercial Operation of at least the Minimum Contract Capacity was achieved, as set forth under the “Transaction” section above.

“CPUC” means the California Public Utilities Commission or its regulatory successor.

“CPUC Decisions” means, as applicable, CPUC Decisions 04-01-050, 04-10-035, 05-10-042, 06-04-040, 06-06-064, 06-07-031, 07-06-029, 08-06-031, 09-06-028, 10-06-036, 11-06-022, 12-06-025, 13-06-024, 14-06-050, 15-06-063, 1606-045 and subsequent decisions related to resource adequacy as amended or supplemented from time to time.

“Credit Rating” means (a) with respect to any entity other than a financial institution, the current (i) rating issued or maintained by S&P or Moody’s with respect to such entity’s long-term senior, unsecured, unsubordinated debt obligations (not supported by third-party credit enhancements); or (ii) corporate credit rating or long-term issuer rating issued or maintained with respect to such entity by S&P or Moody’s; or (b) if such entity is a financial

institution, the ratings issued or maintained by S&P or Moody's with respect to such entity's long-term, unsecured, unsubordinated deposits.

"Credit Support" means collateral in the amount of sixty-seven thousand dollars (\$67,000) per MW of Contract Capacity in the form of (i) Letter(s) of Credit or (ii) Cash.

"Creditworthy Entity" means, for any entity, that such entity has a Credit Rating of (i) "Baa3" or higher by Moody's and (ii) "BBB-" or higher by S&P.

"Energy" means the amount of electricity the Project generates over a period of time, expressed in MWh.

"FERC" means the Federal Energy Regulatory Commission or its regulatory successor.

"Force Majeure" means an event or circumstance that prevents a Party from performing its obligations under this Agreement, which event or circumstance was not anticipated as of the date of this Agreement, and is not within the reasonable control of, or the result of the negligence of, such Party, and which by the exercise of due diligence, such Party is unable to overcome or avoid or cause to be avoided. An event of Force Majeure shall include (but is not limited to), provided the criteria in the first sentence are met, riot, insurrection, war, explosion, labor dispute, fire, flood, earthquake, storm, lightning, volcanic eruption, tsunami, backwater caused by flood, act of the public enemy, terrorism, pandemic, epidemic or pandemic, civil disturbances, vandalism, strike, labor disturbances, labor or material shortage, national emergency, restraint by court order or other public authority or governmental agency, actions taken to limit the extent of disturbances on the electrical grid, or other similar uses beyond the control of the Party affected which causes such Party could not have avoided by the exercise of due diligence and reasonable care. Under no circumstances shall the following constitute an event of Force Majeure: (i) a Party's ability to enter into a contract at a more favorable price or under more favorable conditions or other economic reasons or (ii) delays or nonperformance by suppliers, vendors or other third parties with whom a Party has contracted, except to the extent that such delays or nonperformance were due to circumstances that would constitute an event of "Force Majeure" as defined above.

"Governmental Authority" means any international, national, federal, provincial, state, municipal, county, regional or local government, administrative, judicial or regulatory entity operating under any Applicable Laws and includes any department, commission, bureau, board, administrative agency or regulatory body of any government; provided, "Governmental Authority" shall not in any event include any Party.

"Letter of Credit" means an irrevocable, nontransferable, standby letter of credit, in substantially the form of Exhibit 2 or as reasonably agreed to by the Parties, issued by a Qualified Institution, which letter of credit is reasonably acceptable in form and substance to the beneficiary thereof. Costs for Letters of Credit will be borne by the applicant for the Letter of Credit. Any Letter of Credit provided will (i) be for a minimum period of one year, (ii) be renewed or replaced by the applicant not less than thirty (30) days before its expiration, and (iii) provide that the Letter of Credit may be drawn if it is not renewed or replaced at least thirty (30) days before its expiration.

"Letter of Credit Default" means, with respect to a Letter of Credit or the issuer thereof, the occurrence of any of the following events, unless the Credit Support Provider will deliver to the Credit Support Beneficiary a replacement Letter of Credit issued by a Qualified Institution in the same face amount and on substantially the same terms as the outstanding Letter of Credit on or before the third Business Day after notice from the Credit Support Beneficiary (or the fifth Business Day after such notice if only the following clause (a) applies): (a) such issuer fails to meet the requirements for a Qualified Institution; (b) such issuer fails to honor the Credit Support Beneficiary's properly documented request to draw on such Letter of Credit or otherwise fails to comply with or perform its obligations under such Letter of Credit; (c) such issuer disaffirms, disclaims, repudiates, or rejects, in whole or in part, or challenges the validity of, such Letter of Credit; (d) such Letter of Credit is not renewed at least thirty (30) days before the expiration of such Letter of Credit in accordance with its terms, or such Letter of Credit expires or terminates, or fails or ceases to be in full force and effect, at any time during the Delivery Period; or (e) such issuer becomes Bankrupt; provided, however, that no Letter of Credit Default will occur or be continuing with respect to a

Letter of Credit after the time such Letter of Credit is required to be canceled or returned to a Party in accordance with the terms of this Confirmation.

“Moody’s” means Moody’s Investor Services, Inc. and any successor thereto.

“NERC” means the North American Electric Reliability Corporation, or its successor.

“Planned Outage” means, subject to and as further described in the CPUC Decisions, a CAISO-approved planned or scheduled disconnection, separation or reduction in capacity of the Project that is conducted for the purposes of carrying out routine repair or maintenance of the Project, or for the purposes of new construction work for the Project, other than Short-Notice Opportunity Maintenance Outages and Off-Peak Opportunity RA Maintenance Outages (as such terms are defined in the Tariff).

“Project” has the meaning set forth on the first page hereof.

“Qualified Institution” means a commercial bank or trust company organized under the laws of the United States or a political subdivision thereof, or a United States branch of a foreign bank, in either case, with (i) a Credit Rating from one or both of S&P and Moody’s, which Credit Rating is at least “A-” from S&P (if such bank has a Credit Rating from S&P) and “A3” from Moody’s (if such bank has a Credit Rating from Moody’s); and (ii) having a net worth of at least ten billion dollars (\$10,000,000,000) at the time of issuance of the Letter of Credit.

“REC” or **“Renewable Energy Credit”** means a renewable energy credit as defined by and in accordance with Section 399.12(h) of the California Public Utilities Code.

“Resource Category” shall be as described in the California Public Utilities Code Section 339.16(b)(1) and the CPUC Decision 11-12-052.

“RPS” means California Renewables Portfolio Standard.

“Seller’s Credit Support” means Credit Support posted by Seller pursuant to Special Provision C(1).

“Storage Products” means the Energy delivered to, stored in, and discharged by the Project’s battery facility, if any, (measured in MWh) from time to time (plus the RECs and Resource Adequacy Capacity (as such term is defined in the Tariff) associated with such Energy) and, in each case, not delivered or attributed to Buyer (as determined by Seller).

“Tariff” means the tariff and protocol provisions of the CAISO, as amended or supplemented from time to time.

“Transaction” has the meaning specified in the introductory paragraph hereof and includes this Confirmation.

“WECC” means the Western Electricity Coordinating Council or its successor organizations.

“WREGIS” means the Western Renewable Energy Generation Information System or its successor systems.

“WREGIS Certificates” has the same meaning as “Certificate” as defined by WREGIS in the WREGIS Operating Rules and are designated as eligible for complying with the California Renewables Portfolio Standard.

“WREGIS Operating Rules” means those operating rules and requirements adopted by WREGIS as of October 2022, as subsequently amended, supplemented or replaced (in whole or in part) from time to time.

Notwithstanding anything contained in the Master Agreement to the contrary, this Confirmation shall only be effective when executed by both Parties.

[*Signature Page Follows*]

IN WITNESS WHEREOF, the Parties have signed this Confirmation effective as of the Effective Date.

Sanborn 2 PV I, LLC	Sacramento Municipal Utility District
By:	By:
Name:	Name:
Title:	Title:

Attachment: Schedule A – Minimum Annual Contract Quantity and Maximum Annual Contract Quantity
Exhibit 1 – Project Information
Exhibit 2 – Form of Letter of Credit

SCHEDULE A

MINIMUM ANNUAL CONTRACT QUANTITY AND MAXIMUM ANNUAL CONTRACT QUANTITY

Contract Year	Minimum Annual Contract Quantity	Maximum Annual Contract Quantity
2027	78,550	155,000
2028	78,158	154,613
2029	77,767	154,226
2030	77,378	153,840
2031	76,991	153,456
2032	76,606	153,072
2033	76,223	152,689
2034	75,842	152,308

EXHIBIT 1
PROJECT INFORMATION

Name:	Sanborn 2 PV I
Location:	Kern County, CA
MWs (AC)	Approximately 46 MWs
CAISO Resource ID:	[TBD]
Resource Type:	Solar Photovoltaic
Resource Category (1, 2, 3 or 4):	PCC1
Point of interconnection with CAISO Controlled Grid (“Substation”):	Windhub Substation
Path 26 (North, South or None):	South
Local Capacity Area (if any, as of Confirmation Effective Date):	N/A
Deliverability restrictions, if any, as described in most recent CAISO deliverability assessment:	N/A
Run Hour Restrictions:	N/A
CEC RPS ID Number:	Seller to provide to Buyer within [180] days of the commencement of the Delivery Period.
NERC ID Number:	Facility expected to be registered with NERC [60 – 90] days prior to COD.
FERC ID Number:	Facility expected to be registered with FERC [60 – 90] days prior to COD.

EXHIBIT 2
FORM OF LETTER OF CREDIT

[Issuing Bank]

[Address 1]

[City, State Zip]

Attention:

Irrevocable Standby Letter of Credit No. [Bank Use Only]

Date: [Bank Use Only]

BENEFICIARY

[complete address]

APPLICANT

[complete address]

Amount: US \$ _____

Expiry Date: _____

Establishment

We hereby establish in your favor, _____ (the "Beneficiary"), at the request and for the account of _____ (the "Applicant"), in connection with the _____ agreement dated as of _____, this irrevocable standby letter of credit No. _____ (the "Letter of Credit"), for drawings up to but not to exceed the aggregate sum of U.S. \$ _____ (_____ Dollars and no cents).

Subject to the terms hereof, funds are available to you hereunder against presentation of completed certificate (Exhibit A), and a written statement on Beneficiary's letterhead, dated and signed by your representative, stating one of the following:

1. The undersigned being a duly authorized officer of the _____ ("Beneficiary") hereby demands payment of \$_____ and certifies that the amount represents payment due and owing to the Beneficiary which has not been paid by _____ ("Applicant") within the agreed upon terms by and between the Beneficiary and Applicant and payment remains unpaid as of the date of this demand.
2. The undersigned being a duly authorized officer of the _____ ("Beneficiary") hereby demands payment of \$_____ and certifies that the amount represents payment due and owing to the Beneficiary as a result of Applicant's failure to comply with the terms and conditions of the _____ agreement by and between Beneficiary and Applicant dated _____. Specifically, Applicant has failed to comply with the following:

- a. ...
b.
3. The undersigned being a duly authorized officer of the _____ ("Beneficiary") certifies that letter of credit No. _____ will expire in thirty (30) days or less and _____ ("Applicant") has not provided a replacement security acceptable to Beneficiary. Wherefore, the Beneficiary does hereby demand payment of the entire undrawn amount of the Letter of Credit.

Partial and multiple drawings are allowed. The amount which may be drawn under this Letter of Credit shall be automatically reduced by the amount of any drawings previously paid by us hereunder.

Presentment

The original of this Letter of Credit must be presented together with Exhibit A and the above signed, dated written statement. Presentation of these documents shall be made on any day which is a New York Banking Day for us at or prior to [1:00 p.m. (New York)] at our office located at the above address. Presentation may be made (i) in person, (ii) by first class certified and registered U.S. mail, by (iii) overnight mail on or before the expiration date or (iv) by facsimile transmission. If presentation is made by facsimile transaction, original documents are not required.

Expiration

This Letter of Credit shall be deemed automatically extended without an amendment for a one year period beginning on the present expiration date hereof, and upon each anniversary of such date, unless at least sixty (60) days prior to any such expiration date we have sent you written notice by courier service or overnight mail at the above address that we elect not to permit this Letter of Credit to be so extended beyond, and will expire on its then current expiry date. No presentation made under this Letter of Credit after such expiry date will be honored.

Irrevocable

Except as stated herein, this Letter of Credit is not subject to any condition or qualification and is our individual obligation which is in no way contingent upon reimbursement or any right of subrogation. We irrevocably waive any and all rights of subrogation, whether as provided by statute or otherwise, now or hereafter that might, but for such waiver, exist, in respect to this Letter of Credit or any payment we make under it, as to the Applicant, you, or the transaction between you and the Applicant. We further give irrevocable notice that we are not now and will not be the secondary obligor or co-obligator of Applicant's obligations and liabilities to you for any purpose. Our obligations to you under this Letter of Credit are our primary obligations and are strictly as stated herein. All charges associated with the Letter of Credit are for the account of Applicant.

Governing Practices

This Letter of Credit shall be governed by the International Standby Practices 1998, International Chamber of Commerce Publication No. 590 (the "ISP98"), except to the extent that the terms hereof are inconsistent with the provisions of the ISP98, in which case the terms of this Letter of Credit shall govern.

Notwithstanding Rule 5.01(a) of the ISP98, the Issuing Bank shall have a reasonable amount of time, not to exceed three (3) banking days following the date of its receipt of documents from the

Beneficiary, to examine the documents and determine whether to take up or provide notice of dishonor and to inform the Beneficiary hereof accordingly.

Notwithstanding Rule 3.14(a) of the ISP98, if on the last business day for presentation, the place for presentation of this Letter of Credit is for any reason closed and presentation is not timely made because of that closure, then the expiry date of this Letter of Credit will be automatically extended without amendment to the thirtieth (30th) following day after the place for presentation reopens for business.

[Issuing Bank]

Authorized Signature

FORM OF SIGHT DRAFT

(INSERT DATE OF SIGHT DRAFT)

TO: (INSERT NAME OF ISSUER) _____

ON SIGHT, PAY TO THE ORDER OF (INSERT NAME OF BENEFICIARY)
BY WIRE TRANSFER OF IMMEDIATELY
AVAILABLE FUNDS TO THE FOLLOWING ACCOUNT:

[NAME OF ACCOUNT]
[ACCOUNT NUMBER]
[NAME AND ADDRESS OF BANK AT WHICH ACCOUNT IS MAINTAINED]
[ABA NUMBER]
[REFERENCE]

THE FOLLOWING AMOUNT:

[INSERT NUMBER OF DOLLARS IN WRITING] UNITED STATES DOLLARS
(US\$ [INSERT NUMBER OF DOLLARS IN FIGURES])

DRAWN UPON YOUR IRREVOCABLE STANDBY LETTER OF CREDIT NO. _____
DATED _____, _____.

{BENEFICIARY}

BY: _____

TITLE: _____

[NAME AND ADDRESS OF BENEFICIARY]

SSS No. E,S,RES 24-10

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date
ERCS – 10/15/24Board Meeting Date
October 17, 2024

TO				TO												
1.	Kirsten DePersis			6.	Suresh Kotha											
2.	Chris Hofmann			7.												
3.	Frankie McDermott			8.												
4.	Brandy Bolden			9.	Legal											
5.	Lora Anguay			10.	CEO & General Manager											
Consent Calendar	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	No If no, schedule a dry run presentation.		Budgeted	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Yes		No (If no, explain in Cost/Budgeted section.)					
FROM (IPR)				DEPARTMENT				MAIL STOP	EXT.	DATE SENT						
Ellias van Ekelenburg				Environmental, Safety and Real Estate Services				B209	7475	09/20/2024						
NARRATIVE:																
Requested Action: Adopt the California Environmental Quality Act (CEQA) Initial Study and Mitigated Negative Declaration (IS/MND) for the Folsom Administrative Operations Building Project (Project); adopt the Mitigation Monitoring and Reporting Program; and approve the Project.																
Summary: The Folsom Administrative Operations Building Project (hereinafter referred to as “Project”) consists of constructing and operating an approximately 100,000-square-foot administrative office building and a 100-foot-high communications tower on a vacant six-acre parcel located at 102 Woodmere Road in the City of Folsom. Site improvements would include parking, lighting, landscaping, security features, driveway access, utilities, and street frontage improvements. The Project would be constructed in two phases. Phase 1 would include the construction of approximately 50,000 square feet of the office building and communications tower; and Phase 2 would construct the remaining 50,000 square feet of office building that would connect to the Phase 1 building. Although the Project will require development application approval from the City, it is anticipated the construction of Phase 1 will begin during the 3rd quarter of 2025 and last approximately 18-22 months. Future construction of Phase 2 has not been scheduled and would be anticipated to last approximately 18 months. The administrative office building would contain offices for SMUD employees and operational facilities. Workers at the Project site would include 10 workers for Phase 1 and 30 workers for Phase 2, for a total of 40 workers, split across two-shifts.																
The Draft IS/MND was released for a 30-day agency and public review comment period that began on July 23, 2024, and ended on August 22, 2024. Copies of the Draft IS/MND were distributed to the State Clearinghouse of the Governor’s Office of Planning and Research (OPR); SMUD’s Customer Service Center and East Campus Operations Center; and relevant resource agencies (distributed via State Clearinghouse). The Draft IS/MND was also posted on smud.org/ceqa. A public notice was published in the <i>Sacramento Bee</i> and sent to landowners and occupants within 1,000 feet from the Project site. A CEQA online public meeting was held on August 8, 2024. No members of the public attended the meeting. Two written comment correspondence were received during the comment period from the Central Valley Regional Water Quality Control Board (CVRWQCB) and Sacramento Metropolitan Air Quality Management District (SMAQMD). The CVRWQCB did not comment on the Draft IS/MND itself, but provided general reference and guidance to the agency’s development regulations. The SMAQMD acknowledged the opportunity to review the Project and had no comment at this time. It should be noted a commentary email from a Folsom resident was received after the comment period regarding the resident’s belief that the sanitary sewer conveyance pipeline serving the Project’s service area is at capacity and inadequate to serve the proposed Project. City staff has reviewed the Project and indicated no concern in providing future sewer service. Thus, none of the comments received warrant any revisions to the Draft IS/MND nor change the Draft IS/MND’s conclusion that the Project, as mitigated, will not cause a significant impact. A copy of the two agency comments, the resident email correspondence, and SMUD’s responses are included in the Final IS/MND.																

Board Policy: The proposed Project supports the following Board adopted policies: Strategic Direction SD-4, Reliability, by allowing SMUD to support the delivery of reliable service by ensuring the high voltage distribution system remains modern and resilient; Strategic Direction SD-5, Customer Relations, goals by proactively engaging customers and other stakeholders; and Strategic Direction SD-7, Environmental Leadership, goals by avoiding and reducing adverse environmental impacts.

Benefits: This Project will modernize and increase the resiliency and reliability of SMUD's high voltage energy system. Additionally, it will provide greater office and operational space flexibility.

Cost/Budgeted: Approved multi-year project 2024-2027 for \$145,000,000

Alternatives: Adopt the Initial Study and Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program and approve the Project; return to staff for further study; or reject the Initial Study and Mitigated Negative Declaration.

Affected Parties: Transmission Planning, Facilities, City of Folsom, and the general public.

Coordination: Environmental Services, Transmission Planning, Facilities, Community Engagement, Real Estate Services, City of Folsom, United Auburn Indian Community of the Auburn Rancheria, Lone Band of Miwok Indians and the general public.

Presenter: Ellias van Ekelenburg, Director of Environmental, Safety, and Real Estate Services

Additional Links:

SUBJECT	Folsom Administrative Operations Building Project (CEQA)	ITEM NO. (FOR LEGAL USE ONLY)
SMUD-1516 10/15 Forms Management	ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.	Page 1

ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.

SMUD-1516 10/15 Forms Management

Page 1

Sacramento Municipal Utility District Folsom Administrative Operations Building Project

Final Initial Study and Mitigated Negative Declaration •

State Clearinghouse Number 2024070894 •

September 2024



Powering forward. Together.



Sacramento Municipal Utility District Folsom Administrative Operations Building Project

Final Initial Study and Mitigated Negative Declaration •

State Clearinghouse Number 2024070894 •

September 2024

Lead Agency:

Sacramento Municipal Utility District
6201 S Street,
Sacramento, CA 95817-1899

or

P.O. Box 15830 MS B209
Sacramento, CA 95852-1830
Attn: Jerry Park
916.732.7406 or Jerry.Park@smud.org

Prepared by:

Environmental Science Associates
2600 Capitol Ave, Suite 200
Sacramento, CA 95816
Contact: Jon Teofilo
916.564.4500 or JTeofilo@esassoc.com

TABLE OF CONTENTS

TABLE OF CONTENTS	i
Executive Summary.....	ES-1
1.0 Introduction	1-1
1.1 Project Overview.....	1-1
1.2 Environmental Process Summary	1-1
1.3 Mitigation Measures	1-2
1.4 CEQA Determination	1-11
2.0 Comments and Responses.....	2-1
2.1 Introduction	2-1
2.2 Responses to Comments.....	2-1
3.0 Changes to Draft IS/MND Text	3-1
4.0 Mitigation Monitoring and Reporting Program	4-1
4.1 Introduction	4-1
4.2 Mitigation Implementation and Monitoring.....	4-1
4.3 Mitigation Enforcement	4-1
5.0 List of Preparers	5-1
5.1 Sacramento Municipal Utility District	5-1
5.2 Environmental Science Associates	5-1
6.0 References.....	6-1

APPENDICES

- A Folsom Administrative Operations Building Project Draft Initial Study and Mitigated Negative Declaration

LIST OF ABBREVIATIONS

BMP	Best Management Practice
CARB	California Air Resources Board
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CVRWQCB	Central Valley Regional Water Quality Control Board
IS/MND	Initial Study/Mitigated Negative Declaration
Mph	Miles Per Hour
NAHC	Native American Heritage Commission
NO _x	Nitrogen Oxides
NPDES	National Pollution Discharge Elimination System
PM	Particulate Matter
ROG	Reactive Organic Gases
SMAQMD	Sacramento Metropolitan Air Quality Management District
SMUD	Sacramento Municipal Utility District
SQIP	Stormwater Quality Improvement Plan
SSBMI	Shingle Springs Band of Miwok Indians
SSQP	Sacramento Stormwater Quality Plan
SWPPP	Storm Water Pollution Prevention Plan
TAC	Toxic Air Contaminant
UAIC	United Auburn Indian Community
USFWS	U.S. Fish and Wildlife Service
VELB	Valley Elderberry Longhorn Beetle
WEAP	Worker Environmental Awareness Program



Folsom Administrative Operations Building

September 2024

This page intentionally left blank



EXECUTIVE SUMMARY

Introduction

This Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared to evaluate the potential physical environmental impacts associated with Sacramento Municipal Utility District's (SMUD) Folsom Administrative Operations Building Project (Project) in compliance with the California Environmental Quality Act (CEQA). SMUD is the lead agency responsible for complying with the provisions of CEQA.

Project Description

SMUD is proposing to construct and operate the Folsom Administrative Operations Building Project in the City of Folsom on an approximately 6-acre project site within the Lake Forest Technical Center. The project involves the construction of up to an approximately 100,000 square foot administrative operations building and a 100-foot-tall communications tower. The Project would be constructed in phases: Phase 1 would include a 50,000-square-foot, one-story structure and communications tower; and Phase 2 would include a 50,000-square-foot, two-story connecting structure.

Findings

As lead agency for compliance with CEQA requirements, SMUD finds that the Project would be implemented without causing a significant adverse impact on the environment. Mitigation measures for potential impacts associated with Air Quality, Biological Resources, Cultural Resources, Tribal Cultural Resources, and Utilities and Service Systems would be implemented as part of SMUD's project through adoption of a mitigation monitoring and reporting program.

Cumulative Impacts

CEQA requires lead agencies to assess whether a project's incremental effects are significant when viewed in connection with the effects of other past, present, and foreseeable future projects. Based on the analysis presented in the Draft IS/MND, the Project would not contribute incrementally to considerable environmental changes when considered in combination with other projects in the area. Therefore, the potential cumulative environmental effects of the Project were determined to be less than cumulatively considerable. All identified potentially significant impacts would be mitigated to less than significant.

Growth-Inducing Impacts

SMUD exists as a public agency to supply electrical energy to customers in the Sacramento area. It has an obligation to serve all new development approved by the local agencies and Sacramento County. SMUD does not designate where and what new development may occur.

Determination

On the basis of this evaluation, SMUD concludes:

- The Project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered species, or eliminate important examples of the major periods of California history or prehistory.
- The Project would not achieve short-term environmental goals to the disadvantage of long-term environmental goals.
- The Project would not have impacts that are individually limited, but cumulatively considerable.
- The Project would not have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly.
- No substantial evidence exists to demonstrate that the Project would have a substantive negative effect on the environment.



Jerry Park
Environmental Management Specialist

September 18, 2024

Date

1.0 INTRODUCTION

1.1 Project Overview

The Sacramento Municipal Utility District (SMUD) is proposing the Folsom Administrative Operations Building Project (“Project”) to construct and operate up to an approximately 100,000-square-foot administrative operations building and a 100-foot-high communications tower on a six-acre parcel in southwest Folsom. The Project would be located in an area surrounded by the existing industrial and business park uses to the north of State Route 50, west of Folsom Boulevard, and to the east of Lake Natoma. The Project would be developed in two phases: Phase 1 would include a 50,000-square-foot, one-story structure and communications tower; and Phase 2 would include a 50,000-square-foot, two-story connecting structure.

1.2 Environmental Process Summary

1.2.1 Review of the Draft IS/MND

Copies of the Draft IS/MND were made available in hard copy form for public review at SMUD offices (Customer Service Center and East Campus Operations Center), posted on SMUD’s public website, and distributed to the State Clearinghouse via the Governor’s Office of Planning and Research. A notice of intent was distributed to property owners and occupants of record within 1,000 feet of the Project alignment. The 30-day public review period began on July 23, 2024 and ended on August 22, 2024. SMUD held a public meeting on August 8, 2024. Two agency comment letters were received during the comment period. One public comment email was received after the comment period. The comments and SMUD’s written responses are presented in Section 2.0 of this document. As noted in Section 2.0, the conclusions presented in the Draft IS/MND were not altered in response to comments received.

1.2.2 Preparation of the Final IS/MND

The comment letters were reviewed, and responses were prepared (see Section 2.0). Based on the comments received, there were no new environmental effects identified. The Final IS/MND does not incorporate any changes to the Project description or to the Initial Study checklist responses in the Draft IS/MND (provided as Appendix A of this Final IS/MND).

CEQA Guidelines

CEQA Guidelines Section 15073.5 provides the conditions for determining if recirculation of a negative declaration is required before adoption. Section 15073.5(a) states:

A lead agency is required to recirculate a negative declaration when the document must be substantially revised after public notice of its availability has previously been given pursuant to Section 15072, but prior to adoption.

According to Section 15073.5(b), a substantial revision is defined as:

- (1.) A new, avoidable significant effect is identified, and mitigation measures or project revisions must be added in order to reduce the effect to insignificance, or
- (2.) The lead agency determines that the proposed mitigation measures or project revisions will not reduce potential effects to less than significance and new measures or revisions must be required.

SMUD has determined that none of the aforementioned conditions were satisfied following public notice; therefore, recirculation of the Draft IS/MND is not required. SMUD, as the lead agency, may proceed to present the Final IS/MND to the SMUD Board for action.

Circumstances under which recirculation is not required include:

- (1.) Mitigation measures are replaced with equal or more effective measures pursuant to Section 15074.1.
- (2.) New project revisions are added in response to written or verbal comments on the project's effects identified in the proposed negative declaration which are not new avoidable significant effects.
- (3.) Measures or conditions of project approval are added after circulation of the negative declaration which are not required by CEQA, which do not create new significant environmental effects and are not necessary to mitigate an avoidable significant effect.
- (4.) New information is added to the negative declaration which merely clarifies, amplifies, or makes insignificant modifications to the negative declaration. (Section 15073.5[c])

No changes to the checklist in the Draft IS/MND is required; therefore, recirculation of the Draft IS/MND is not required.

1.3 Mitigation Measures

This section presents the mitigation measures SMUD would implement to address potential impacts on Air Quality (as addressed in 3.2 of the Draft IS/MND), Biological Resources (as addressed in 3.4 of the Draft IS/MND), Cultural Resources (as addressed in 3.5 of the Draft IS/MND), Tribal Cultural Resources (as addressed in 3.18 of the Draft IS/MND), and Utilities and Service Systems (as addressed in 3.19 of the Draft IS/MND). These measures reflect text revisions as documented in the Final IS/MND.

1.3.1 Air Quality

Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard

As discussed in Section 3.3, “Air Quality” of the Draft IS/MND, the Project’s projected maximum construction and operational emissions do not exceed SMAQMD’s daily or annual construction emission standards. However, SMAQMD predicated the particulate matter standard on adherence to their *Basic Construction Emission Control Practices and Best Management Practices*. Without the application of the SMAQMD’s BMPs, this impact would be potentially significant.

Implementation of Mitigation Measure 3.3-1 would reduce project construction emissions and ensure that Project related emissions of NO_x, ROG, PM₁₀, and PM_{2.5} would not exceed SMAQMD thresholds during construction activities. The Project would implement SMAQMD BMPs to reduce fugitive dust emissions to the extent feasible. With implementation of Mitigation Measure 3.3-1, this impact would be **less than significant**.

Mitigation Measure 3.3-1. Implement SMAQMD Emissions Controls and BMPs.

SMUD or the authorized contractor will adhere to the SMAQMD basic construction emissions control practices, including, but not limited to the measures listed below, and additional measures designed to limit diesel particulate matter:

- *Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads;*
- *Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered;*
- *Use wet power vacuum street sweepers to remove any visible track-out mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited;*
- *Limit vehicle speeds on unpaved roads to 15 miles per hour (mph);*
- *All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used;*

- *Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [California Code of Regulations, Title 13, sections 2449(d)(3) and 2485]. Provide clear signage that posts this requirement for workers at the entrances to the site;¹*
- *Provide current certificate(s) of compliance for CARB's In-Use Off-Road Diesel-Fueled Fleets Regulation [California Code of Regulations, Title 13, sections 2449 and 2449.1];² and*
- *Maintain all construction equipment in proper working condition according to manufacturer's specifications. The equipment must be checked by a certified mechanic and determined to be running in proper condition before it is operated.*

Expose sensitive receptors to substantial pollutant concentrations

As discussed in Section 3.3, "Air Quality" of the Draft IS/MND, Uncontrolled emissions of fugitive dust may also contribute to potential increases in nuisance impacts to nearby receptors. Construction generated fugitive dust, generally associated with PM₁₀, would be limited by implementation of SMAQMD construction BMPs.

In regard to toxic air contaminant (TAC) emissions, total PM₁₀ emissions from both construction and operation would be well below the SMAQMD significance thresholds for criteria pollutant assessment. The Project would not involve emissions at levels consistent with intensive or long-lasting construction activities nor expose threshold amounts during operation of the facility.

These localized, short-term emissions would be reduced with the implementation of Mitigation Measure 3.3-1, which requires adherence to all applicable SMAQMD construction emissions control practices. With implementation of Mitigation Measure 3.3-1, this impact would be **less than significant**.

Mitigation Measure 3.3-1. Implement SMAQMD Emissions Controls and BMPs.

1.3.2 Biological Resources

Have a substantial Adverse effect on special-status species

As described in Section 3.4, "Biological Resources" of the Draft IS/MND, three special-status species have low potential to occur in the project site, including monarch butterfly, valley elderberry longhorn beetle, and Swainson's hawk and one species, northwestern pond turtle has a moderate potential to occur. The Project could have a potentially significant impact to these species.

¹ This BMP for idling specifically applies to diesel-powered equipment. Non-diesel vehicles are not required to limit idling time.

² This BMP specifically applies to diesel-powered equipment.

September 2024

Implementation of Mitigation Measure 3.4-1 would reduce impacts to special-status species and sensitive habitats through avoidance and compliance with the National Pollutant Discharge Elimination System (NPDES) Statewide construction general permit for stormwater runoff which would subject the Project to comply with state and federal water quality regulations and require development of a stormwater pollution prevention plan (SWPPP). In addition, Mitigation Measure 3.4-1 provides for preconstruction surveys and avoidance actions, the implementation of which would avoid adverse impacts to special-status species that could be affected by project construction. With implementation of Mitigation Measures 3.4-1, the potential impacts to special-status plant species would be reduced to a **less-than-significant** level.

Mitigation Measure 3.4-1: Impacts to Special-Status Species, Sensitive Habitats, and Aquatic Resources:

The following actions shall be undertaken to reduce impacts to special-status species:

1. *A Storm Water Pollution Prevention Plan (SWPPP) shall be developed prior to the ground disturbing activities. The SWPPP shall identify specific best management practices (BMPs) which shall be implemented during construction to prevent discharges of sediment, oil, turbid water, and/or other potential toxic or hazardous substances to surface waters. The BMPs shall be installed and maintained so that they demonstrate effectiveness.*
2. *All areas of earth disturbance remaining after project implementation shall be stabilized and revegetated with a native seed mix.*
3. *Avoided trees shall be protected during construction activities. Specifically, work shall not be conducted within dripline of native oak trees to prevent vehicles from damaging the roots.*
4. *Removal of any native oak trees shall adhere to the replacement ratios required by the Sacramento County Tree Ordinance.*
5. *All work equipment shall be washed at an offsite location.*
6. *All fueling and maintenance of vehicles and equipment shall occur a minimum of 100 feet from aquatic resources and away from the dripline of native oak trees.*
7. *All vehicles and equipment shall be inspected for leaks prior to use.*
8. *Prior to construction, but not more than 14 days before grading, demolition or site preparation activities, a qualified biologist shall conduct a pre-construction survey to determine the presence of western pond turtles on or adjacent to the Project site. A temporary non-climbable fencing (or other solid fencing/barrier) shall be installed along the Project boundary adjacent to Lake Natoma as to exclude turtles from the active construction zone. If turtles are found within the construction zone, they shall be moved out of harm's way to appropriate areas by a qualified biologist as approved by CDFW and/or USFWS.*
9. *No elderberry shrubs (potential habitat for VELB) were observed within the Biological Study Area during the survey conducted on February 15, 2024. If more than two years have passed since the site visit, additional surveys for the elderberry shrubs shall be conducted by a qualified biologist prior to the start of work. If present, the USFWS shall*

be consulted to determine appropriate avoidance, minimization, and mitigation measures.

10. *Pre-construction surveys shall be conducted by a qualified biologist during the appropriate bloom time to determine if milkweed (host plant for the monarch butterfly) is present. If present, CDFW shall be consulted to determine appropriate avoidance, minimization, and mitigation measures.*
11. *To avoid impacts to common and special-status migratory birds pursuant to the Migratory Bird Treaty Act and CDFW Codes, a nesting survey shall be conducted prior to construction activities if the work is scheduled between February 1 and August 31. The pre-construction nesting bird surveys will identify on-site bird species. If no nesting birds are found in or within 500 feet of the Project alignment during the pre-construction clearance surveys, construction activities may proceed as scheduled.*

If pre-nesting behavior is observed, but an active nest has not yet been established (e.g., courtship displays, but no eggs in a constructed nest), a nesting bird deterrence and removal program will be implemented. Such deterrence methods include removal of previous year's nesting materials and removal of partially completed nests in progress. Once a nest is situated and identified with eggs or young, it is considered to be "active" and the nest cannot be removed until the young have fledged.

If an active nest is found in or within 500 feet of the Project alignment during construction, a "No Construction" buffer zone will be established around the active nest (usually a minimum radius of 50 feet for passerine birds and 500 feet for raptors) to minimize the potential for disturbance of the nesting activity. The Project biologist/biological monitor will determine and flag the appropriate buffer size required, based on the species, specific situation, tolerances of the species, and the nest location. Project activities will resume in the buffer area when the Project biologist/biological monitor has determined that the nest(s) is (are) no longer active or the biologist has determined that with implementation of an appropriate buffer, work activities would not disturb the birds nesting behavior.

If special-status bird species are found nesting in or within 500 feet of the Project site, SMUD's Environmental Services shall notify CDFW or USFWS, as appropriate, within 24 hours of first nesting observation shall be consulted to determine appropriate avoidance, minimization, and mitigation measures.

1.3.3 Cultural Resources

Adverse change in the significance of an archaeological resource

As described in Section 3.5, "Cultural Resources" of the Draft IS/MND, no pre-contact archaeological resources were identified within the Project site and the archaeological sensitivity assessment

determined a relatively low potential to uncover buried archaeological resources in the Project site. While unlikely, there remains the possibility that archaeological resources could be found during ground disturbing activities associated with construction of the Project.

Potential significant impacts to previously undiscovered archaeological resources would be avoided through implementation of Mitigation Measure 3.5-1, which would implement worker training as well as procedures to be implemented in the event of inadvertent discovery of Cultural Resources. With implementation of Mitigation Measure 3.5-1, this impact would be reduced to **less than significant**.

Mitigation Measure 3.5-1: Worker Environmental Awareness and Cultural Respect Training and Procedures for Inadvertent Discovery of Cultural Resources

Prior to excavation or other subsurface disturbance activities, individuals conducting the work will be required to participate in Worker Environmental Awareness and Cultural Respect Training. Workers will be advised to watch for cultural resource materials. If workers observe any evidence of pre-contact cultural resources (freshwater shells, beads, bone tool remnants or an assortment of bones, soil changes including subsurface ash lens or soil darker "midden" in color than surrounding soil, lithic materials such as flakes, tools or grinding rocks, etc.), or historic cultural resources (adobe foundations or walls, structures and remains with square nails, refuse deposits or bottle dumps, often associated with wells or old privies), all ground-disturbing activity within 100 feet of the discovery must immediately cease and a qualified archaeologist must be consulted to assess the significance of the cultural materials. SMUD will be notified of the potential find and a qualified archaeologist shall be retained to investigate its significance. If the qualified archaeologist determines the archaeological material to be Native American in nature, Mitigation Measure 3.18-1 shall be implemented. If the find is determined to be significant by the archaeologist (i.e., because it is determined to constitute a unique archaeological resource), the archaeologist shall work with SMUD to develop and implement appropriate procedures to protect the integrity of the resource and ensure that no additional resources are affected. Procedures could include but would not necessarily be limited to preservation in place, archival research, subsurface testing, or contiguous block unit excavation and data recovery.

Disturbance of any human remains

As described in Section 3.5, "Cultural Resources" of the Draft IS/MND, there are no known past cemeteries or burials on the project site or immediate area. While unlikely, because earthmoving activities associated with Project construction would occur, there is potential to encounter buried human remains or unknown cemeteries in areas with little or no previous disturbance.

Implementation of Mitigation Measure 3.5-2 would reduce potential impacts related to human remains to a **less-than-significant** level through the implementation of procedures to be implemented if human remains are discovered during construction.

Mitigation Measure 3.5-2: Procedures for Discovery of Human Remains

If human remains are discovered, all work within a 100 feet of the find must immediately cease, and the local coroner must be contacted. Procedures for the discovery of human remains will be followed in accordance with provisions of the State Health and Safety Code, Sections 7052 and 7050.5 and the State Public Resources Code Sections 5097.9 to 5097.99. If the Coroner determines that the remains are those of Native American origin, the Coroner shall contact the Native American Heritage Commission (NAHC) and subsequent procedures shall be followed, according to State Public Resources Code Sections 5097.9 to 5097.99, regarding notification of the Native American Most Likely Descendant. Following the coroner's and NAHC's findings, SMUD and the NAHC-designated Most Likely Descendant shall determine the ultimate treatment and disposition of the remains and take appropriate steps to ensure that additional human interments are not disturbed.

1.3.4 Tribal Cultural Resources**Substantial adverse change in the significance of a Tribal cultural resource**

As described in Section 3.18, “Tribal Cultural Resources”, the identification of Tribal cultural resources for this Project by United Auburn Indian Community (UAIC) and the Lone Band of Miwok Indians included a review of pertinent literature and historic maps, and a records search using Tribal historic records and information databases. The UAIC reviewed the proposed Project site within their database – UAIC requested the standard mitigation measure for inadvertent discoveries to be included for this Project.

Consultation with UAIC, Wilton Rancheria and Shingle Springs Band of Miwok Indians (SSBMI) revealed no known Tribal cultural resources on the Project site as defined in PRC Section 21074; however, the area is potentially sensitive for unknown Tribal cultural resources. Therefore, it is possible that yet-undiscovered Tribal cultural resources could be encountered or damaged during ground-disturbing construction activities.

Implementation of Mitigation Measure 3.18-1, 3.18-2, 3.18-3, and 3.5-2 would reduce impacts to Tribal cultural resources to a ***less than significant*** level.

Mitigation Measure 3.18-1: Worker Environmental Awareness and Cultural Respect Training and Procedures for Discovery of Potential Tribal Cultural Resources

All construction personnel must receive Tribal Cultural Resources Sensitivity and Awareness Training (Worker Environmental Awareness Program [WEAP]), including field consultants and construction workers. The WEAP shall be developed in coordination with interested Native American Tribes.

The WEAP shall be conducted before any project-related construction activities begin at the Project site. The WEAP will include relevant information regarding sensitive cultural resources and Tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of

violating State laws and regulations. The WEAP will also describe appropriate avoidance and impact minimization measures for cultural resources and Tribal cultural resources that could be located at the Project site and will outline what to do and who to contact if any potential cultural resources or Tribal cultural resources are encountered. The WEAP will emphasize the requirement for confidentiality and culturally appropriate treatment of any discovery of significance to Native Americans and will discuss appropriate behaviors and responsive actions, consistent with Native American Tribal values. The training may be done in coordination with the Project archaeologist.

All ground-disturbing equipment operators shall be required to receive the training and sign a form that acknowledges receipt of the training.

During excavation or other substantial subsurface disturbance activities, all construction personnel must follow procedures and the direction of archeologists and Tribal monitors if any cultural resource materials are observed.

Mitigation Measure 3.18-2: Spot Check Monitoring for Tribal Cultural Resources

SMUD shall invite representatives of UAIC to periodically inspect the active areas of the Project, including any soil piles, trenches, or other disturbed areas. UAIC shall be notified at least 48 hours prior to start of construction.

Mitigation Measure 3.18-3: Unanticipated Discovery of Tribal Cultural Resources

If any suspected TCRs are discovered by any person on site during ground disturbing construction activities all work shall cease within 100 feet of the find, or an agreed upon distance based on the project area and nature of the find. A Tribal Representative from the consulting Tribe or a California Native American tribe that is traditionally and culturally affiliated with a geographic area shall be immediately notified and shall determine if the find is a TCR (PRC §21074). The Tribal Representative will make recommendations for further evaluation and treatment as necessary.

Preservation in place is the preferred option for mitigation of TCRs under CEQA and Tribal protocols, and every effort shall be made to preserve the resources in place, including through project redesign. If adverse impacts to TCRs, unique archeology, or other cultural resources occurs, then consultation with Tribes regarding mitigation contained in the Public Resources Code §21084.3(a) and (b) and CEQA Guidelines §15370 should occur, in order to coordinate for compensation for the impact by replacing or providing substitute resources or environments.

Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, or returning objects to a location within the project area where they will not be subject to future impacts. Permanent curation of TCRs and cultural belongings will not take place unless approved in writing by the consulting Tribe.

Treatment that preserves or restores the cultural character and integrity of a TCR may include paid Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil. These recommendations will be documented in the project record. For any recommendations made by traditionally and culturally affiliated Native American Tribes that are not implemented, a justification for why the recommendation was not followed will be provided in the project record.

SMUD shall preserve TCR's in place, avoid, or minimize impacts to the resource, including, but not limited to, facilitating the appropriate Tribal treatment of the find, as necessary. Treatment that preserves or restores the cultural character and integrity of a TCR may include Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects and belongings or cultural soil.

Work at the discovery location cannot resume until all necessary investigation and evaluation of the discovery under the requirements of CEQA, including AB52, have been satisfied.

Mitigation Measure 3.5-2: Procedures for Discovery of Human Remains (Described in Section 3.5, Cultural Resources)

1.3.5 Utilities and Service Systems

Result in significant environmental effects from the relocation or construction of new or expanded utility infrastructure

As described in Section 3.19, "Utilities and Service Systems" the Project would require relocation of the existing drainage infrastructure within the Project site. The relocation of drainage facilities would be required to place all accesses within existing public right of way, as required by the City of Folsom's Environmental & Water Resources Department. The potential environmental effects of onsite construction, including the installation of water and sewer lines and construction of the proposed drainage easement and associated facilities are identified throughout this document and, where necessary, mitigation measures are provided to reduce them to less than significant levels. These include Mitigation Measure 3.3-1, which requires adherence to all applicable SMAQMD construction emissions control practices; Mitigation Measure 3.4-1, which requires various measures to avoid impacts to special-status species and habitats; Mitigation Measures 3.5-1 and 3.5-2, which provide procedures to avoid impacts to cultural resources and human remains; and, Mitigation Measures 3.18-1 through 3.18-3, which provide procedures to avoid impacts to tribal cultural resources. The mitigation measures listed above would reduce this impact to a **less than significant** level by requiring implementation of various measures during construction activities to avoid or minimize adverse effects to air quality, biological resources, cultural resources, and tribal cultural resources. With implementation of these measures, this impact would be less than significant.

Mitigation Measure 3.3-1. Implement SMAQMD Emissions Controls and BMPs.

Mitigation Measure 3.4-1. Impacts to Special-Status Species, Sensitive Habitats, and Aquatic Resources.

Mitigation Measure 3.5-1. Worker Environmental Awareness and Cultural Respect Training and Procedures for Inadvertent Discovery of Cultural Resources.

Mitigation Measure 3.5-2. Procedures for Discovery of Human Remains.

Mitigation Measure 3.18-1. Worker Environmental Awareness and Cultural Respect Training and Procedures for Discovery of Potential Tribal Cultural Resources.

Mitigation Measure 3.18-2. Spot Check Monitoring for Tribal Cultural Resources.

Mitigation Measure 3.18-3. Unanticipated Discovery of Tribal Cultural Resources.

1.4 CEQA Determination

SMUD has determined that although the Project could have a significant effect on the environment, a significant effect would not occur with implementation of the aforementioned mitigation measures because the proposed mitigation measures would reduce the effects of any impacts to below the established thresholds of significance. Therefore, SMUD published the proposed MND and supporting IS on July 23, 2024, and SMUD's Board of Directors will consider adoption of the MND at a Board meeting on October 17, 2024.

2.0 COMMENTS AND RESPONSES

2.1 Introduction

The Draft IS/MND for the Project was circulated for a 30-day public review period (July 23, 2024 to August 22, 2024). During the public comment period, SMUD received two agency comment letters, one from the Central Valley Regional Water Quality Control Board (CVRWQCB) and one from the Sacramento Metropolitan Air Quality Management District (SMAQMD). One public comment email was received after the public comment period from Laurette Laurent. These commentators are listed in Table 2-1.

TABLE 2-1 LIST OF COMMENTERS

Letter Number	Name
1	Peter G. Minkel Central Valley Regional Water Quality Control Board August 22, 2024
2	Roberto Ramirez Sacramento Metropolitan Air Quality Management District August 21, 2024
3	Laurette Laurent August 31, 2024

2.2 Responses to Comments

The comment letters identified in Table 2-1 and SMUD's responses to comments are provided on the following pages.

September 2024

**Letter 1**

Central Valley Regional Water Quality Control Board

22 August 2024

Jerry Park
Sacramento Municipal Utility District
6201 S Street
Sacramento, CA 95817
jerry.park@smud.org

COMMENTS TO REQUEST FOR REVIEW FOR THE MITIGATED NEGATIVE DECLARATION, FOLSOM ADMINISTRATIVE OPERATIONS BUILDING PROJECT, SCH#2024070894, SACRAMENTO COUNTY

Pursuant to the State Clearinghouse's 24 July 2024 request, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) has reviewed the *Request for Review for the Mitigated Negative Declaration* for the Folsom Administrative Operations Building Project, located in Sacramento County.

Our agency is delegated with the responsibility of protecting the quality of surface and groundwaters of the state; therefore our comments will address concerns surrounding those issues.

1-1

I. Regulatory Setting**Basin Plan**

The Central Valley Water Board is required to formulate and adopt Basin Plans for all areas within the Central Valley region under Section 13240 of the Porter-Cologne Water Quality Control Act. Each Basin Plan must contain water quality objectives to ensure the reasonable protection of beneficial uses, as well as a program of implementation for achieving water quality objectives with the Basin Plans. Federal regulations require each state to adopt water quality standards to protect the public health or welfare, enhance the quality of water and serve the purposes of the Clean Water Act. In California, the beneficial uses, water quality objectives, and the Antidegradation Policy are the State's water quality standards. Water quality standards are also contained in the National Toxics Rule, 40 CFR Section 131.36, and the California Toxics Rule, 40 CFR Section 131.38.

1-2

The Basin Plan is subject to modification as necessary, considering applicable laws, policies, technologies, water quality conditions and priorities. The original Basin Plans were adopted in 1975, and have been updated and revised periodically as required, using Basin Plan amendments. Once the Central Valley Water Board has adopted a Basin Plan amendment in noticed public hearings, it must be approved by

MARK BRADFORD, CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

11020 Sun Center Drive #200, Rancho Cordova, CA 95670 | www.waterboards.ca.gov/centralvalley

September 2024

Folsom Administrative Operations
Building Project
Sacramento County

- 2 -

22 August 2024

the State Water Resources Control Board (State Water Board), Office of Administrative Law (OAL) and in some cases, the United States Environmental Protection Agency (USEPA). Basin Plan amendments only become effective after they have been approved by the OAL and in some cases, the USEPA. Every three (3) years, a review of the Basin Plan is completed that assesses the appropriateness of existing standards and evaluates and prioritizes Basin Planning issues. For more information on the *Water Quality Control Plan for the Sacramento and San Joaquin River Basins*, please visit our website:
http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/

1-2
cont

Antidegradation Considerations

All wastewater discharges must comply with the Antidegradation Policy (State Water Board Resolution 68-16) and the Antidegradation Implementation Policy contained in the Basin Plan. The Antidegradation Implementation Policy is available on page 74 at:

https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/sacsjr_2018_05.pdf

1-3

In part it states:

Any discharge of waste to high quality waters must apply best practicable treatment or control not only to prevent a condition of pollution or nuisance from occurring, but also to maintain the highest water quality possible consistent with the maximum benefit to the people of the State.

This information must be presented as an analysis of the impacts and potential impacts of the discharge on water quality, as measured by background concentrations and applicable water quality objectives.

The antidegradation analysis is a mandatory element in the National Pollutant Discharge Elimination System and land discharge Waste Discharge Requirements (WDRs) permitting processes. The environmental review document should evaluate potential impacts to both surface and groundwater quality.

1-4

II. Permitting Requirements

Construction Storm Water General Permit

Dischargers whose project disturb one or more acres of soil or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit), Construction General Permit Order No. 2009-0009-DWQ. Construction activity subject to this permit includes clearing, grading, grubbing, disturbances to the ground, such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP). For more information on the Construction General Permit, visit the State Water Resources Control Board website at:

September 2024

Folsom Administrative Operations
Building Project
Sacramento County

- 3 -

22 August 2024

http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

1-4
cont**Clean Water Act Section 404 Permit**

If the project will involve the discharge of dredged or fill material in navigable waters or wetlands, a permit pursuant to Section 404 of the Clean Water Act may be needed from the United States Army Corps of Engineers (USACE). If a Section 404 permit is required by the USACE, the Central Valley Water Board will review the permit application to ensure that discharge will not violate water quality standards. If the project requires surface water drainage realignment, the applicant is advised to contact the Department of Fish and Game for information on Streambed Alteration Permit requirements. If you have any questions regarding the Clean Water Act Section 404 permits, please contact the Regulatory Division of the Sacramento District of USACE at (916) 557-5250.

Clean Water Act Section 401 Permit – Water Quality Certification

If an USACE permit (e.g., Non-Reporting Nationwide Permit, Nationwide Permit, Letter of Permission, Individual Permit, Regional General Permit, Programmatic General Permit), or any other federal permit (e.g., Section 10 of the Rivers and Harbors Act or Section 9 from the United States Coast Guard), is required for this project due to the disturbance of waters of the United States (such as streams and wetlands), then a Water Quality Certification must be obtained from the Central Valley Water Board prior to initiation of project activities. There are no waivers for 401 Water Quality Certifications. For more information on the Water Quality Certification, visit the Central Valley Water Board website at:

https://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_certification/

1-5

Waste Discharge Requirements – Discharges to Waters of the State

If USACE determines that only non-jurisdictional waters of the State (i.e., "non-federal" waters of the State) are present in the proposed project area, the proposed project may require a Waste Discharge Requirement (WDR) permit to be issued by Central Valley Water Board. Under the California Porter-Cologne Water Quality Control Act, discharges to all waters of the State, including all wetlands and other waters of the State including, but not limited to, isolated wetlands, are subject to State regulation. For more information on the Waste Discharges to Surface Water NPDES Program and WDR processes, visit the Central Valley Water Board website at:https://www.waterboards.ca.gov/centralvalley/water_issues/waste_to_surface_water/

Projects involving excavation or fill activities impacting less than 0.2 acre or 400 linear feet of non-jurisdictional waters of the state and projects involving dredging activities impacting less than 50 cubic yards of non-jurisdictional waters of the state may be eligible for coverage under the State Water Resources Control Board Water Quality Order No. 2004-0004-DWQ (General Order 2004-0004). For more information on the General Order 2004-0004, visit the State Water Resources Control Board website at:

September 2024

Folsom Administrative Operations
Building Project
Sacramento County

- 4 -

22 August 2024

https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2004/wqo/wqo2004-0004.pdf

1-5
cont

Dewatering Permit

If the proposed project includes construction or groundwater dewatering to be discharged to land, the proponent may apply for coverage under State Water Board General Water Quality Order (Low Threat General Order) 2003-0003 or the Central Valley Water Board's Waiver of Report of Waste Discharge and Waste Discharge Requirements (Low Threat Waiver) R5-2018-0085. Small temporary construction dewatering projects are projects that discharge groundwater to land from excavation activities or dewatering of underground utility vaults. Dischargers seeking coverage under the General Order or Waiver must file a Notice of Intent with the Central Valley Water Board prior to beginning discharge.

1-6

For more information regarding the Low Threat General Order and the application process, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0003.pdf

For more information regarding the Low Threat Waiver and the application process, visit the Central Valley Water Board website at:

https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/waivers/r5-2018-0085.pdf

Limited Threat General NPDES Permit

If the proposed project includes construction dewatering and it is necessary to discharge the groundwater to waters of the United States, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. Dewatering discharges are typically considered a low or limited threat to water quality and may be covered under the General Order for *Limited Threat Discharges to Surface Water* (Limited Threat General Order). A complete Notice of Intent must be submitted to the Central Valley Water Board to obtain coverage under the Limited Threat General Order. For more information regarding the Limited Threat General Order and the application process, visit the Central Valley Water Board website at:

https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2016-0076-01.pdf

1-7

NPDES Permit

If the proposed project discharges waste that could affect the quality of surface waters of the State, other than into a community sewer system, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. A complete Report of Waste Discharge must be submitted with the Central Valley Water Board to obtain a NPDES Permit. For more information regarding the NPDES Permit and the application process, visit the Central Valley Water Board website at: <https://www.waterboards.ca.gov/centralvalley/help/permit/>

1-8



Folsom Administrative Operations Building

September 2024

Folsom Administrative Operations
Building Project
Sacramento County

- 5 -

22 August 2024

If you have questions regarding these comments, please contact me at (916) 464-4684
or Peter.Minkel2@waterboards.ca.gov.

A handwritten signature in black ink that reads "Peter G. Minkel".

Peter G. Minkel
Engineering Geologist

cc: State Clearinghouse unit, Governor's Office of Planning and Research,
Sacramento

Central Valley Regional Water Quality Control Board**Letter 1**

Peter G. Minkel

August 22, 2024

-
- 1-1 The comment provides introductory remarks to the comment letter. This comment does not raise environmental issues or concerns regarding the adequacy, accuracy, or completeness of the environmental document. The comment is noted and will be provided to the SMUD Board for review during Project consideration of the Project for approval. No further response is necessary.
 - 1-2 The comment provides information related to the Basin Plan. This comment does not raise environmental issues or concerns. No further response can be provided.
 - 1-3 The comment provides an overview of the Antidegradation Policy (State Water Board Resolution 68-16). Impacts on surface and groundwater quality are addressed in Section 3.10, "Hydrology and Water Quality," in the Draft IS/MND. No changes to the document are necessary.
 - 1-4 The comment identifies general permitting requirements, related to the State Water Resources Control Board's Construction General Plan Order No. 2009-0009-DWQ. As discussed in Section 3.10, "Hydrology and Water Quality," the City of Folsom has a Phase I National Pollutant Discharge Elimination System (NPDES) permit and is part of the Sacramento Stormwater Quality Partnership (SSQP). The City of Folsom is regulated by Order No. R5-2002-0206 NPDES No. CAS082597, "Waste Discharge Requirements for County of Sacramento and the Cities Citrus Heights, Elk Grove, Folsom, Galt and Sacramento Storm Water Discharges From Municipal Separate Storm Sewer Systems Sacramento County" issued by the Central Valley Regional Water Quality Control Board (CVRWQCB). The discharge of sediment and pollutants into stormwater runoff could adversely affect the water quality in the Project area. However, the SWRCB adopted statewide general NPDES permits for stormwater discharge associated with construction and operation that requires implementation of Best Management Practices (BMPs) to protect water quality.

The Project would be required to implement all applicable goals, policies, and BMPs set forth by the above programs. BMPs to be implemented during Project construction would likely include, but are not limited to, installation of storm drain inlet protection, stabilization of construction exits, and proper maintenance of material stockpiles. BMPs to be implemented during Project operation would include the diversion of stormwater through water quality swales and routine inspection and maintenance of onsite BMPs.

The Project's compliance with the requirements of the CVRWQCB, the SQIP, and the City of Folsom's Stormwater Quality Program would ensure that neither construction nor operation of the Project results in degradation of downstream water quality or an increase in erosion. The

Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality. No changes to the document are required in response to this comment.

- 1-5 The comment provides an overview of permit requirements associated with Clean Water Act Section 404, Clean Water Action Section 401, and waste discharge requirements under the California Porter-Cologne Water Quality Control Act. As currently designed, there would be no proposed project components or any other associated ground disturbance within state or federally protected aquatic resources. For these reasons, there would be no direct effects to state or federally protected aquatic resources. No changes to the document are necessary.
- 1-6 The comment provides an overview of dewatering permit requirements under the Central Valley Flood Protection Board. Potential impacts related to dewatering are on page 80 of 128, in Section 3.10, "Hydrology and Water Quality" of the Draft IS/MND. As discussed there, the Project would adhere to the City's water quality and watershed protection measures mandated by the Phase I NPDES Permit and implemented through the Sacramento County Stormwater Quality Improvement Plan (SQIP). Dewatering plans would be subject to approval from Sacramento County's Department of Environmental Management and/or SWRCB. Additionally, as discussed on page 74 of 76 in the Draft IS/MND, SMUD would comply with existing stormwater regulations, including the County's Stormwater Ordinance (Sacramento County Code Chapter 15.12), the City's Stormwater Management and Control Code, and the NPDES Regional MS4 Permit, which would necessitate the implementation and maintenance of on-site BMPs to control potential erosion and siltation and prevent discharges off-site. As the Project would involve the disturbance of more than one acre (in total), SMUD is subject to and will comply with NPDES Statewide construction general permit for stormwater runoff (Order WQ-2022-0057-DWQ and NPDES No. CAS000002 [Construction General Permit]), which would require preparation and implementation of a formal SWPPP. Additionally, SMUD will comply with the County of Sacramento Improvement Standards and Floodplain Management Ordinance, which ensures that the Project would not substantially increase the rate or amount of surface runoff in a manner that causes flooding or that exceeds stormwater system capacity. Compliance with these requirements and regulations would reduce potential adverse impacts to water quality, including those associated with dewatering, to a less-than-significant level. No changes to the document are required.
- 1-7 The comment provides a summary of the requirements under the Limited Threat General Order, which is applicable to projects that include construction dewatering and discharge to waters of the United States. As discussed above, under response to comment 1-6, the Project would be implemented consistent with regulations that reduce potential impacts from construction dewatering. No changes to the document are required.
- 1-8 The comment identifies general permitting requirements related to NPDES permit requirements. As discussed above, under response to comment 1-6, the Project would be implemented



Folsom Administrative Operations Building

September 2024

consistent with regulations that reduce potential impacts to groundwater from construction dewatering. No changes to the document are required.

September 2024

From: [Roberto Ramirez](#)
To: [Jerry Park](#)
Subject: [EXTERNAL] No Comment - Draft ISMND for the Folsom Administrative Operations Building Project
Date: Wednesday, August 21, 2024 1:06:55 PM
Attachments: [image001.png](#)
[image002.png](#)

Letter 2

CAUTION: This email originated from outside of SMUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Jerry,

Thank you for giving us the opportunity to review the Draft ISMND for the Folsom Administrative Operations Building Project. We have no comments at this time.

2-1

Thank you,

Roberto Ramirez
Air Quality Planner/Analyst
ISA Certified Arborist #WE-14276A
Transportation & Climate Change
Desk: (916) 704-4552
www.AirQuality.org
X [@AQMD](#)





Folsom Administrative Operations Building

September 2024

Central Valley Regional Water Quality Control Board

Letter 2

Peter G. Minkel

August 22, 2024

2-1 The comment acknowledges that SMUD has provided the Sacramento Metropolitan Air Quality Management District (SMAQMD) with the opportunity to review the Draft IS/MND, for which SMAQMD has no comment at this time. No further response is necessary.



September 2024

From: [LJ Laurent](#)
To: [Ramesh Iyengar](#)
Cc: [Jerry Park](#)
Subject: [EXTERNAL] Re: Cortesi list site Folsom apn (APN) 069-0240-031-0000
Date: Saturday, August 31, 2024 12:09:42 PM
Attachments: [image.png](#)

Letter 3

CAUTION: This email originated from outside of SMUD. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To: Ramesh Iyengar, Jerry Park
From: Laurette Laurent
August 31, 2024

Re: SMUD ISMND

Thank you for the link. I have done a preliminary Draft Research Report, reviewing every page of Document. Note it is not yet filed with CEQA SCH #.

As thorough and readable as this document is, for me, it is NOT complete. When NO Licensed CA Civil Engineer Seals/Signs a formal Submission, there are bound to be issues. This is due to this being basically a "one party" state which has shown less and less Concern for Civil Engineers as Law Enforcement officials.

When Folsom dumped all the 3 prisons and all existing Raw Sewage into the American River, and the "leader" ordered all Sewer Division workers sent home, raw sewage flowed into the river near the SMUD site, for about four entire days/nights. Folsom never filed with OES. Subsequent to this early 2000s major SSO event, and all the other SSO events and irregularities perpetrated by city "leadership", Sacramento Bee covered the city like raw sewage on land and federal waters did. It was my Private Enforcement Lawsuit and all my own research, Plus the Testimony of the deposed [but still under long-term Contract] Folsom City Engineer Bob Blaser. Direct retaliation meant I also did Video tapes of both top experts [City Engineer and Sewer Manager] during their depositions. Being of a scientific background, as well as judicial position, I have kept all records and track every move Folsom has made. It is a yeoman's job. Since we moved to Folsom, 61 innocent humans have died on Folsom city property -- mostly its totally Substandard "city streets."

3-1

There are a few Introductory observations for your consideration, but this is just a superficial/brief contextual introduction for you. FYI, City Engineer Bob Blaser was "set aside" about mid-Contract, and city leader proceeded to use his elected position to "help out" his friend and client AKT, the major vacant land owner in Sac Valley.

I have five past "Folsom Sanitary Sewer System Hydraulic Capacity Reports" as evidence. 2017/2018 Waterworks Engineering Report is the most devastating and convincing hard Certified Evidence this city is a "known" and "direct threat" to federal American River waters and watershed forests. I have worked with Sacramento Sewer Design Engineer Steve Norris, who gave me the full set of Blueprints for Sac Sewers "FE3 Connector" pipe which is Sac Sewer's [Folsom East 3 collection pipe.] I have full blueprints for "Lake Natoma Shores Subdivision" which abut the American River assets. Bob Blaser mentored me and expanded my engineering knowledge to sanitary sewer systems hydraulic capacity, NPDES Permits/enforcement, and delegation by NEPA to State of California to do proper

September 2024

enforcement. RWQCB Regional Water Quality Control Board Area 5, staff, are still very familiar with my full responsibility for winning NPDES Permit Folsom SSS Conveyance Pipes, imposition of the minimum fine of about \$1 Million on Folsom, and Oversight & control by RWQCB Enforcing Engineers, of NPDES Permit inspections and enforcement actions. Folsom was in total violation at the time a top state official ordered Waterboards to "transfer" Folsom to the "self-enforcing" "general permit." Hence the missing sections of Folsom Blvd. 27" "main or largest collector system" is still INCOMPLETE. It is incomplete and totally missing at the most critical point: the LOWEST POINT in city: the American River itself.

This is perfectly illustrated by Waterworks Report in clear RED LINE SSS Pipes MAPS beginning Page 125 et seq. Like all four preceding SSS Hydraulic Reports, this one formally documents Folsom's lack of an Independent City Engineer. They do not document that a leader/lawyer had that Title/Duties/long term Contract -- secretly erased from city's "online-only" City Charter and Municipal Code. Folsom Blvd. Bridge was not built where it was planned for decades. Lake Natoma Shores was built upon the old dredge rock piles which were leveled, and were previously "unbuildable" in Sacramento County.

This is the condensed version of Context, but all the evidence exists and continues to mount. Folsom is a city in deep, deep financial woes, mainly because the Not-built and Not expanded Infrastructure needs are huge and pressing. For me, the worst part of all this "scoff law" behavior by Folsom "leaders" is that 61 innocent people have died on city property. The latest was a suicide by a woman who left her car right on pavement of "Folsom Lake Crossing", and jumped off the high point. If she thought she'd land in American River, she landed 50 to 60' below on the rocks. This was told me by USBR person who responded.

3-1
cont.

My motivation is increasing Respect for Laws and Enforcement, especially by Licensed and Independent Civil Engineers. Currently there are other battles where city made jammed up messes of substandard 19th century city lanes -- and called them streets --- "arterial" streets of only 9 foot wide lanes in heavily trafficked places such as ancient Sutter St.

More than once have I been involved with stopping wrong-doing, by mostly working with Federal agencies and their staff. My 2nd career, after land use & environmental expertise, was degree in Electronics and position in 4 states as Outside Sales Engineer for high-tech, high reliability precious metal components and miniature plastic injection molding capabilities. Sometimes it seems I speak Engineering better than English. That is my background in a nutshell.

At this point in time, it is important you know INCORRECT information was supplied and included in the ISMND CEQA -intended filing. When Folsom removed Waterworks SSS Hydraulic Capacity Report from Online Access, it was downloaded and circulated widely to downstream/impacted beneficial users of American River Water Supplies and Watershed recreators exposed to e-coli. But it was USBR staff who supported me at Hearings, because they worked in American River "Lake Natoma" at same time Folsom and 3 prisons raw sewage was being used as a Folsom Raw Sewage Conveyance substitute for adequate SSS Pipes --- for almost a week.

How would you like to proceed? I have read the entire Draft ISMND report you supplied. There is Direct Refutation of statements about Folsom's Infrastructure being "adequate." There is another state-level agency which is being concurrently informed their Compliance with FRA Fed Railroad Administration laws/rules is totally lacking. They filed 3 CEQA Filings which have a hugely deleterious impact on everyone using, living near Folsom Blvd. RED LINE SSS conveyance pipes, and the Direct Threats to American River assets at a lower

September 2024

elevation than Parkshore and Folsom Blvd. area. Folsom choosing the "highest point" of the local Folsom Blvd. seweraged, to install a mere 18" diameter pipeline, was a ruse to avoid addressing the more expensive LOWEST section, which is American River itself. As for the massive removal of JPA Heritage Protected Historic Oak Grove along Folsom Blvd., it is a clear deception that city council could "delist" unilaterally the entire grove to "double track" at the R.G.Holderness/Glenn Sac RT Station.

For your information, the place where RT operates is the ONLY place along the Folsom Blvd. low sections, and at the station, where the MISSING/OMITTED-willfully but Essential elements of the SSS can be installed. Said Elements are a 2nd Pump Station at American River north bank, and Larger than 5", 6", and small section of 15" pipe exist. There is absolutely NO 27" pipeline from the Pump Station at the American River south bank --- all the way down to South of Intersection of Bidwell St. with Folsom Blvd. Where the city used Sac RT Federal Rail Grant monies, to purchase land where the SSS 27" pipe & pump station have NO OTHER possible location, it is a simple finding.

Folsom Blvd. SSS conveyance pipes have been backed up since at least year 2000, from the Bidwell inverted manhole issue, all the way along Folsom Blvd., OVER the American River bridge with a mere 18" diameter pipe attached to bridge, and northward all the way to old Oak Avenue/Lew Howard Park.

Proof of this is Folsom has not had ability to produce "Flow Monitoring Data" for this entire RED LINE section, for decades. Failure is accurately predicted by 5 Licensed Engineering studies. Waterworks is the finest, in that it considers the known consequences for 3 County Arterial traffic when Folsom Blvd. must be shut down to install "balloons" in the pipes. After that last-ditch effort, the entirety of Folsom will become a construction zone for the pipe and Pump Station which were deliberately not built. Removing a law-enforcing Independent City Engineer was directly responsible for omission of critical infrastructure.

3-1
cont.

FYI, Folsom is not in compliance with state law mandating Housing equality. A CEQA filed document for city plan contains a Response from a Sacramento Sewer Civil Engineer. He notes the problems NOT ONLY with city-admitted Folsom Blvd. sewage issues, but also the city's refusal to note the SSS pipes at East Folsom are "at capacity." There is only South of Hwy 50 left with land for inclusionary housing, but few people are aware ALL the S50 raw sewage is PUMPED up into the North of Hwy 50 piping. All of this raw sewage and prisons raw sewage, and planned hospitals raw sewage, is going to be concentrated along side American River.

Back in the days of SSS Report 3, I gave "Folsom Mystery Sewage Tours" to State civil engineers, and separately, to USBR federal civil engineers and Folsom Dam Operating staff. I also kept 11 years of videos on "Folsom Way" at <https://www.youtube.com/@4sewerdogs/videos>

I recall clearly the days of S. David Freeman as General Manager. Times have changed. Unfortunately city of Folsom infrastructure is still identical in most places, to the 1954 infrastructure.

My Research reports have gone to State agencies, to Sac RT Board of Directors, Waterboards [RWQCB and SWRCB], and most importantly in my view, to Federal authorities who have the ultimate opinion, and a Duty to protect American River assets as they opt to enforce laws. Reports are out there, even last week to Governor's OPR Staff. They responded to me "CEQA is self-enforcing." I replied with hard evidence OPR and CEQA

September 2024

staff DO HAVE options and rights to address something as serious as all Downstream users being fed, yet again, Folsom city and 3 state prisons, RAW SEWAGE.

Coming from a law enforcement family, and being very distressed by each of the 61 deaths on Folsom property since living here, I am committed to stopping the Death Count.

As for this issue, it would appear SMUD, as a State Agency, has NO Alternatives but to Launch SMUD Investigations which are based upon the certified, Signed/Sealed Civil Engineer Reports in my possession.

Certainly the obvious statements by SMUD's consultant about dismissing all concerns about SMUD having any issue or any impact on Folsom SSS Hydraulic Capacity, need Further investigation.

<https://www.folsom.ca.us/home/showpublisheddocument/786/637467522258230000>

Waterworks not only did a spectacular 5th Hydraulic Capacity report, but there is another MANDATORY report due from city now.

FYI, Waterworks produced a BID SET for the Folsom Blvd. small pipe project near this exact area where SMUD owns land. Folsom was asked formally via PRA for the Parkshore area SSS pipe "enhancement project." Folsom civil engineers did NOT produce a City Engineer or any engineer approval. PRA Response from Marcus Yasutake referred me to the BID SET done by Waterworks. Folsom Blvd. has been two lanes only for well over a year.

Intersection of Folsom Blvd. and Blue Ravine was actually shut down due to some "underground utility problem." This happens when a city grows like a mushroom with NO civil engineer in charge since 1990s. For further information, Sac RT is occupying NOT only the only place for the required SSS Pump Station and large 2nd conveyance pipe, but Sac RT has made a mockery of Folsom's EOP Emergency Operations Plan. Sac RT has been advised their operations violate FRA rules, and if they do not RESOLVE the Seven Way Intersection, complaints will ensue to protect human lives at RR Crossings.

3-1
cont.

Seven way intersection consists of
Oakdale St. North only of Natoma St.

Oakdale St [private & substandard] South only of Natoma St.

Mormon St. East Only of Folsom Blvd FB,

Mormon St. West only of Folsom Blvd.

Forrest St. SE only of FB

Forrest St. West only of FB

Natoma St. [only route EW to Folsom 3 prisons, but only 2 lane not-arterial size street]
and

7, Sac RT non-compliant RR Crossing

which totally obstructs EOP Access to "Folsom Village" a mobile home residence community with houses a mere <30 feet from Sac RT RR commuter train cars. EOP acknowledges Village being nearly adjacent to FB, but NOT having emergency or First Responder Access which is EQUAL to what law demands.

Welcome to the Folsom Way, as it is called by Journalists.

Since Jerry Parks referred this to a CA Licensed Engineer, it is hoped SMUD will consider that ANY raw sewage you add, will encounter a RED LINE Folsom SSS conveyance pipe. Please remember, even when Waterworks did this ONLY North of Hwy Folsom existing city, this is the nexus, at the American River, of a stinking dereliction practice of long standing. It did make a mayor's buddy and land operations lawyer, more able to sell vacant land within city limits, and later annexed S50 vacant land. Now the S50 sewage is pumped up into this

September 2024

same FB sewageshed. It is not a "sewer shed" because Folsom has and is probably right now using American River as part of its SS System. We have reported spills of Folsom Corporation Yard diesel &/or gasoline fuels into river, and Waterboards did nothing. Hopefully SMUD will realize most of city residents are NOT EQUALY SERVED; and NOT Equally Protected. But then, one thing, Folsom gets ALL its drinking water Above stream of RED LINE sewer conveyances.

Please let me know if you wish any of the Communications sent to Public Agencies -- which makes them Public Records. This includes Cong. Kiley, Sac RT Board members, CA Natural Resources, USBR- CA State Parks as the US Managing Partner of Folsom area federal assets, CPUC when I was referred by a not-helpful Sac RT Counsel Sanchez Ochoa [in re her claim RT was not responsible for RR Crossings within Folsom city. She claimed RT was only "regulated by CPUC" which is NOT CORRECT.]

Also convinced Univ. of CA Regents that their large parcel in Folsom S50 could not support the UCDMC huge commercial and medical, hotel, offices, they announced would start construction 2023.

Outreach has included Advocacy groups, Save the American River Assn., for example. I attempted to reach JPA authorities about Destruction of FB History Grove Protections, and also Bird/wildlife advocates. Folsom city council vice mayor claimed the city had a legal right to "Declassify" each protected JPA Tree, so I contacted CA Nat Resources and CA State Parks who just did a full inventory of the entire area. SP is Managing Partner and CA State Parks is registered Owner of land parcel near this area, further north on west side of Folsom Blvd.

Other Research into Sacramento County Property Records has indicated a Pattern of Folsom False Filings, so this was referred for criminal investigations. Why were so many FB area parcels declared by Folsom, to have their Entire Tax obligation "EXEMPT" from County taxes?

It's the "Folsom Way."

Clearly SMUD will not File any CEQA Document which is contradicted in Public Records by many CA Lic. Civil Engineers, including a Sac Sewer Engineer, and the North of 50 only Waterworks Engineering Roseville, three Lic. Engineers.

As Bob Blaser, last City Engineer always closed, "questions are always welcome." Plus, I have access to copies of all the evidence cited/used and mentioned herein to SMUD. Laurette Laurent, dubbed by many front page stories of Sacramento Bee as the Folsom Sewage Watchdog.

3-1
cont.

3-1
cont.

Submitted with hope SMUD will care about those of us treated unequally, having lives put at high risk, loving the American River without all that raw sewage, and most of all, stopping Folsom city property Death Count at 61.

Willing to utilize ten years/degree in land use, and even electronics degree/2nd career, and experience working with Engineers doing Federal Govt parts, projects, etc.

Laurette Laurent



September 2024

Letter 3**Laurette Laurent**August 31, 2024

3-1 Page 112 of the IS/MND describes the City's wastewater system. The City of Folsom operates its sewer system pursuant to SWRCB General Order 2006-0003-EXEC (Statewide General Waste Discharge Requirements (GWDR) for Sanitary Sewer Systems) as modified by 2008-0002-EXEC. The City's 2019 Sewer System Management Plan sets forth its plan to operate its sewer system in conformity with the General Order. Supporting documents are available here:

<https://www.folsom.ca.us/government/environmental-water-resources/wastewater-sewer/sewer-system-management-plan-ssmp>. The Sewer Plan addresses, among other things, the required elements under the General Order, including design, operation and maintenance, controls, overflow response, capacity assurance, audits, and inspections for the City's sewer system. The City's plan, in short, provides a comprehensive plan for managing wastewater within the City's boundaries in conformity with the GWDR.

The comment letter provides no tangible evidence to demonstrate that the City's Sewer Plan, as implemented, would fail to properly manage the wastewater from the Project. In the absence of contrary evidence, it is presumed that a City will effectuate the regular performance of its official duty. *City of Sacramento v. State Water Resources Control Bd.* (1992) 2 Cal. App. 4th 960, 975. The same presumption applies to the SWRCB in its management and oversight of municipal plans, such as the City's, operating under the GWDR for Sanitary Sewer Systems.



Folsom Administrative Operations Building

September 2024

3.0 CHANGES TO DRAFT IS/MND TEXT

No changes to the Draft IS/MND since its publication and public review are necessary.

4.0 MITIGATION MONITORING AND REPORTING PROGRAM

4.1 Introduction

This mitigation monitoring and reporting program summarizes identified mitigation measures, implementation schedule, and responsible parties for the SMUD Folsom Administrative Operations Building Project (Project). SMUD will use this mitigation monitoring and reporting program to ensure that identified mitigation measures, adopted as conditions of Project approval, are implemented appropriately. This monitoring program meets the requirements of CEQA Guidelines Section 15074(d), which mandates preparation of monitoring provisions for the implementation of mitigation assigned as part of Project approval or adoption.

4.2 Mitigation Implementation and Monitoring

SMUD will be responsible for monitoring the implementation of mitigation measures designed to minimize impacts associated with the Project. While SMUD has ultimate responsibility for ensuring implementation, others may be assigned the responsibility of actually implementing the mitigation. SMUD will retain the primary responsibility for ensuring that the Project meets the requirements of this mitigation plan and other permit conditions imposed by participating regulatory agencies.

SMUD will designate specific personnel who will be responsible for monitoring implementation of the mitigation that will occur during Project construction. The designated personnel will be responsible for submitting documentation and reports to SMUD on a schedule consistent with the mitigation measure and in a manner necessary for demonstrating compliance with mitigation requirements. SMUD will ensure that the designated personnel have authority to require implementation of mitigation requirements and will be capable of terminating Project construction activities found to be inconsistent with mitigation objectives or Project approval conditions.

SMUD and its appointed contractor will also be responsible for ensuring that its construction personnel understand their responsibilities for adhering to the performance requirements of the mitigation plan and other contractual requirements related to the implementation of mitigation as part of Project construction. In addition to the prescribed mitigation measures, Table 4-1 (Mitigation Monitoring and Reporting Program) lists each identified environmental resource being affected, the corresponding monitoring and reporting requirement, and the party responsible for ensuring implementation of the mitigation measure and monitoring effort.

4.3 Mitigation Enforcement

SMUD will be responsible for enforcing mitigation measures. If alternative measures are identified that would be equally effective in mitigating the identified impacts, implementation of these alternative measures will not occur until agreed upon by SMUD.

In the MMRP below, the following components are identified:

Mitigation Measure	This column provides the text of the mitigation measure
Timing	This column identifies the time frame in which the mitigation will be implemented
Responsible for Implementation	This column identifies the entity or person(s) that will carry out the mitigation.
Responsible for Verification	This column identifies the entity that assumes the overall responsibility for confirming compliance with each specific mitigation.
Form of Verification	This column identifies the method in which compliance with the mitigation will be communicated to the responsible party.
Verification	This column is to be dated and signed by the person/s identified at 'Responsible for Verification' to indicate that the requirements of the mitigation measure have been met.

TABLE 4-1. MITIGATION MONITORING AND REPORTING PROGRAM

Checklist Section	Mitigation Measures	Implementation Duration	Monitoring Duration	Responsibility	
				Implementation	Monitoring
Air Quality	<p>Mitigation Measure 3.3-1. Implement SMAQMD Emissions Controls and BMPs.</p> <p><i>SMUD or the authorized contractor will adhere to the SMAQMD basic construction emissions control practices, including, but not limited to the measures listed below, and additional measures designed to limit diesel particulate matter:</i></p> <ul style="list-style-type: none"> • Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads; • Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered; • Use wet power vacuum street sweepers to remove any visible track-out mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited; • Limit vehicle speeds on unpaved roads to 15 miles per hour (mph); • All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used; • Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [California Code of Regulations, Title 13, sections 2449(d)(3) and 2485]. Provide clear signage that posts this requirement for workers at the entrances to the site;³ • Provide current certificate(s) of compliance for CARB's In-Use Off-Road Diesel-Fueled Fleets Regulation [California Code of Regulations, Title 13, sections 2449 and 2449.1];⁴ and • Maintain all construction equipment in proper working condition according to manufacturer's specifications. The equipment must be checked by a certified mechanic and determined to be running in proper condition before it is operated. 	Prior to and during construction	During construction	SMUD Environmental Services and Construction Contractor	SMUD Construction Management and Inspection
Biological Resources	<p>Mitigation Measure 3.4-1: Impacts to Special-Status Species, Sensitive Habitats, and Aquatic Resources:</p> <p>The following actions shall be undertaken to reduce impacts to special-status species:</p> <ol style="list-style-type: none"> 1. A Storm Water Pollution Prevention Plan (SWPPP) shall be developed prior to the ground disturbing activities. The SWPPP shall identify specific best management practices (BMPs) which shall be implemented during construction to 	Prior to and during construction	During construction	SMUD Environmental Services and Construction Contractor	SMUD Construction Management and Inspection

³ This BMP for idling specifically applies to diesel-powered equipment. Non-diesel vehicles are not required to limit idling time.

⁴ This BMP specifically applies to diesel-powered equipment.

Checklist Section	Mitigation Measures	Implementation Duration	Monitoring Duration	Responsibility
				Implementation Monitoring
	<p>prevent discharges of sediment, oil, turbid water, and/or other potential toxic or hazardous substances to surface waters.</p> <p>The BMPs shall be installed and maintained so that they demonstrate effectiveness.</p> <ol style="list-style-type: none"> 2. All areas of earth disturbance remaining after project implementation shall be stabilized and revegetated with a native seed mix. 3. Avoided trees shall be protected during construction activities. Specifically, work shall not be conducted within dripline of native oak trees to prevent vehicles from damaging the roots. 4. Removal of any native oak trees shall adhere to the replacement ratios required by the Sacramento County Tree Ordinance. 5. All work equipment shall be washed at an offsite location. 6. All fueling and maintenance of vehicles and equipment shall occur a minimum of 100 feet from aquatic resources and away from the dripline of native oak trees. 7. All vehicles and equipment shall be inspected for leaks prior to use. 8. Prior to construction, but not more than 14 days before grading, demolition or site preparation activities, a qualified biologist shall conduct a pre-construction survey to determine the presence of western pond turtles on or adjacent to the Project site. A temporary non-climbable fencing (or other solid fencing/barrier) shall be installed along the Project boundary adjacent to Lake Natoma as to exclude turtles from the active construction zone. If turtles are found within the construction zone, they shall be moved out of harm's way to appropriate areas by a qualified biologist as approved by CDFW and/or USFWS. 9. No elderberry shrubs (potential habitat for VELB) were observed within the Biological Study Area during the survey conducted on February 15, 2024. If more than two years have passed since the site visit, additional surveys for the elderberry shrubs shall be conducted by a qualified biologist prior to the start of work. If present, the USFWS shall be consulted to determine appropriate avoidance, minimization, and mitigation measures. 10. Pre-construction surveys shall be conducted by a qualified biologist during the appropriate bloom time to determine if milkweed (host plant for the monarch butterfly) is present. If present, CDFW shall be consulted to determine appropriate avoidance, minimization, and mitigation measures. 11. To avoid impacts to common and special-status migratory birds pursuant to the Migratory Bird Treaty Act and CDFW Codes, a nesting survey shall be conducted prior to construction activities if the work is scheduled between February 1 and August 31. The pre-construction nesting bird surveys will identify on-site bird species. If no nesting birds are found in or within 500 feet of the Project alignment during the pre-construction clearance surveys, construction activities may proceed as scheduled. <p>If pre-nesting behavior is observed, but an active nest has not yet been established (e.g., courtship displays, but no eggs in a constructed nest), a nesting bird deterrence and removal program will be implemented. Such deterrence methods include removal of previous year's nesting materials and removal of partially completed nests in progress. Once a nest is situated and identified with eggs or young, it is considered to be "active" and the nest cannot be removed until the young have fledged.</p>			

Checklist Section	Mitigation Measures	Implementation Duration	Monitoring Duration	Responsibility	
				Implementation	Monitoring
	<p>If an active nest is found in or within 500 feet of the Project alignment during construction, a “No Construction” buffer zone will be established around the active nest (usually a minimum radius of 50 feet for passerine birds and 500 feet for raptors) to minimize the potential for disturbance of the nesting activity. The Project biologist/biological monitor will determine and flag the appropriate buffer size required, based on the species, specific situation, tolerances of the species, and the nest location. Project activities will resume in the buffer area when the Project biologist/biological monitor has determined that the nest(s) is (are) no longer active or the biologist has determined that with implementation of an appropriate buffer, work activities would not disturb the birds nesting behavior.</p> <p>If special-status bird species are found nesting in or within 500 feet of the Project site, SMUD’s Environmental Services shall notify CDFW or USFWS, as appropriate, within 24 hours of first nesting observation shall be consulted to determine appropriate avoidance, minimization, and mitigation measures.</p>				
Cultural Resources	<p>Mitigation Measure 3.5-1: Worker Environmental Awareness and Cultural Respect Training and Procedures for Inadvertent Discovery of Cultural Resources</p> <p><i>Prior to excavation or other subsurface disturbance activities, individuals conducting the work will be required to participate in Worker Environmental Awareness and Cultural Respect Training. Workers will be advised to watch for cultural resource materials. If workers observe any evidence of pre-contact cultural resources (freshwater shells, beads, bone tool remnants or an assortment of bones, soil changes including subsurface ash lens or soil darker “midden” in color than surrounding soil, lithic materials such as flakes, tools or grinding rocks, etc.), or historic cultural resources (adobe foundations or walls, structures and remains with square nails, refuse deposits or bottle dumps, often associated with wells or old privies), all ground-disturbing activity within 100 feet of the discovery must immediately cease and a qualified archaeologist must be consulted to assess the significance of the cultural materials. SMUD will be notified of the potential find and a qualified archeologist shall be retained to investigate its significance. If the qualified archaeologist determines the archaeological material to be Native American in nature, Mitigation Measure 3.18-1 shall be implemented. If the find is determined to be significant by the archaeologist (i.e., because it is determined to constitute a unique archaeological resource), the archaeologist shall work with SMUD to develop and implement appropriate procedures to protect the integrity of the resource and ensure that no additional resources are affected. Procedures could include but would not necessarily be limited to preservation in place, archival research, subsurface testing, or contiguous block unit excavation and data recovery.</i></p>	Prior to any work and during construction	During construction	Construction Contractor	SMUD Construction Management and Inspection
Cultural Resources	<p>Mitigation Measure 3.5-2: Procedures for Discovery of Human Remains</p> <p><i>If human remains are discovered, all work within a100 feet of the find must immediately cease, and the local coroner must be contacted. Procedures for the discovery of human remains will be followed in accordance with provisions of the State Health and Safety Code, Sections 7052 and 7050.5 and the State Public Resources Code Sections 5097.9 to 5097.99. If the Coroner determines that the remains are those of Native American origin, the Coroner shall contact the Native American Heritage Commission (NAHC) and subsequent procedures shall be followed, according to State Public Resources Code Sections 5097.9 to 5097.99, regarding notification of the Native American Most Likely Descendant. Following the coroner’s and NAHC’s findings, SMUD and the NAHC</i></p>	During construction	During construction	Construction Contractor	SMUD Construction Management and Inspection

Checklist Section	Mitigation Measures	Implementation Duration	Monitoring Duration	Responsibility
		Implementation	Monitoring	
	<i>designated Most Likely Descendant shall determine the ultimate treatment and disposition of the remains and take appropriate steps to ensure that additional human interments are not disturbed.</i>			
Tribal Cultural Resources	<p>Mitigation Measure 3.18-1: Worker Environmental Awareness and Cultural Respect Training and Procedures for Discovery of Potential Tribal Cultural Resources</p> <p><i>All construction personnel must receive Tribal Cultural Resources Sensitivity and Awareness Training (Worker Environmental Awareness Program [WEAP]), including field consultants and construction workers. The WEAP shall be developed in coordination with interested Native American Tribes.</i></p> <p><i>The WEAP shall be conducted before any project-related construction activities begin at the Project site. The WEAP will include relevant information regarding sensitive cultural resources and Tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The WEAP will also describe appropriate avoidance and impact minimization measures for cultural resources and Tribal cultural resources that could be located at the Project site and will outline what to do and who to contact if any potential cultural resources or Tribal cultural resources are encountered. The WEAP will emphasize the requirement for confidentiality and culturally appropriate treatment of any discovery of significance to Native Americans and will discuss appropriate behaviors and responsive actions, consistent with Native American Tribal values. The training may be done in coordination with the Project archaeologist.</i></p> <p><i>All ground-disturbing equipment operators shall be required to receive the training and sign a form that acknowledges receipt of the training.</i></p> <p><i>During excavation or other substantial subsurface disturbance activities, all construction personnel must follow procedures and the direction of archeologists and Tribal monitors if any cultural resource materials are observed.</i></p>	Prior to and during construction	During construction	Construction Contractor SMUD Construction Management and Inspection
Tribal Cultural Resources	<p>Mitigation Measure 3.18-2: Spot Check Monitoring for Tribal Cultural Resources</p> <p><i>SMUD shall invite representatives of UAIC to periodically inspect the active areas of the Project, including any soil piles, trenches, or other disturbed areas. UAIC shall be notified at least 48 hours prior to start of construction.</i></p>	Prior to and during construction	During construction	Construction Contractor SMUD Construction Management and Inspection
Tribal Cultural Resources	<p>Mitigation Measure 3.18-3: Unanticipated Discovery of Tribal Cultural Resources</p> <p><i>If any suspected TCRs are discovered by any person on site during ground disturbing construction activities all work shall cease within 100 feet of the find, or an agreed upon distance based on the project area and nature of the find. A Tribal Representative from the consulting Tribe or a California Native American tribe that is traditionally and culturally affiliated with a geographic area shall be immediately notified and shall determine if the find is a TCR (PRC §21074). The Tribal Representative will make recommendations for further evaluation and treatment as necessary.</i></p>	During construction	During construction	Construction Contractor SMUD Construction Management and Inspection

Checklist Section	Mitigation Measures	Implementation Duration	Monitoring Duration	Responsibility	Implementation Monitoring
	<p><i>Preservation in place is the preferred option for mitigation of TCRs under CEQA and Tribal protocols, and every effort shall be made to preserve the resources in place, including through project redesign. If adverse impacts to TCRs, unique archeology, or other cultural resources occurs, then consultation with Tribes regarding mitigation contained in the Public Resources Code §21084.3(a) and (b) and CEQA Guidelines §15370 should occur, in order to coordinate for compensation for the impact by replacing or providing substitute resources or environments.</i></p>				
	<p><i>Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, or returning objects to a location within the project area where they will not be subject to future impacts. Permanent curation of TCRs and cultural belongings will not take place unless approved in writing by the consulting Tribe.</i></p>				
	<p><i>Treatment that preserves or restores the cultural character and integrity of a TCR may include paid Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil. These recommendations will be documented in the project record. For any recommendations made by traditionally and culturally affiliated Native American Tribes that are not implemented, a justification for why the recommendation was not followed will be provided in the project record.</i></p>				
	<p><i>SMUD shall preserve TCR's in place, avoid, or minimize impacts to the resource, including, but not limited to, facilitating the appropriate Tribal treatment of the find, as necessary. Treatment that preserves or restores the cultural character and integrity of a TCR may include Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects and belongings or cultural soil.</i></p>				
	<p><i>Work at the discovery location cannot resume until all necessary investigation and evaluation of the discovery under the requirements of CEQA, including AB52, have been satisfied.</i></p>				



Folsom Administrative Operations Building

September 2024

5.0 LIST OF PREPARERS

5.1 Sacramento Municipal Utility District

Jerry Park Environmental Specialist

5.2 Environmental Science Associates

Brian Boxer Project Director

Jon Teofilo Project Manager

Juliana Medan Environmental Planner



Folsom Administrative Operations Building

September 2024

6.0 REFERENCES

None.



Folsom Administrative Operations Building

September 2024

This page intentionally left blank

APPENDIX A

Draft Initial Study and Proposed Mitigated Negative Declaration



Powering forward. Together.



Sacramento Municipal Utility District

Folsom Administrative Operations Building Project

Draft Initial Study and Mitigated Negative Declaration • July 2024



Powering forward. Together.



Sacramento Municipal Utility District

Folsom Administrative Operations Building Project

Draft Initial Study and Mitigated Negative Declaration • July 2024

Lead Agency:

Sacramento Municipal Utility District
6201 S Street,
Sacramento, CA 95817-1899

or

P.O. Box 15830 MS B209
Sacramento, CA 95852-1830
Attn: Jerry Park
916.732.7466 or Jerry.Park@smud.org

Prepared by:

Environmental Science Associates

2600 Capitol Ave, Suite 200
Sacramento, CA 95816
Contact: Jon Teofilo
916.564.4500 or JTeofilo@esassoc.com

TABLE OF CONTENTS

1.0	Introduction.....	1
1.1	Project Overview.....	1
1.2	Purpose of Document	1
1.3	Public Review Process	2
1.4	SMUD Board Approval Process	2
1.5	Document Organization	3
1.6	Environmental Factors Potentially Affected.....	4
1.7	Determination.....	5
2.0	Project Description.....	6
2.1	Project Location	6
2.2	Project Objectives	6
2.3	Background Information	6
2.4	Proposed Project.....	10
2.5	Potential Permits and Approvals Required	17
3.0	Environmental Impact Evaluation	19
3.0	Evaluation of Environmental Impacts	19
3.1	Aesthetics.....	21
3.2	Agriculture and Forestry Resources.....	30
3.3	Air Quality	32
3.4	Biological Resources.....	42
3.5	Cultural Resources	51
3.6	Energy	55
3.7	Geology and Soils.....	59
3.8	Greenhouse Gas Emissions	64
3.9	Hazards and Hazardous Materials.....	69
3.10	Hydrology and Water Quality	73

3.11	Land Use and Planning.....	79
3.12	Mineral Resources.....	83
3.13	Noise	85
3.14	Population and Housing.....	98
3.15	Public Services.....	99
3.16	Recreation.....	102
3.17	Transportation.....	103
3.18	Tribal Cultural Resources.....	106
3.19	Utilities and Service Systems	111
3.20	Wildfire	115
3.21	Mandatory Findings of Significance	117
4.0	Environmental Justice Evaluation.....	119
4.1	Introduction	119
4.2	Regulatory Context	120
4.3	Sensitivity of Project Location.....	122
4.4	Evaluation of the Project's Contribution to a Community's Sensitivity	125
4.5	Summary of Environmental Justice Assessment.....	126
5.0	List of Preparers	128
6.0	References	129

APPENDICES

- A Air Quality
- B Biological Resources Assessment
- C Cultural Resources Assessment
- D Geotechnical Engineering Report
- E Phase I Environmental Site Assessment

FIGURES

Figure 2-1.	Regional Location.....	7
Figure 2-2.	Project Vicinity.....	8
Figure 2-3.	Project Site	9
Figure 2-4.	Conceptual Site Plan	11
Figure 2-5.	Offsite Improvements	13
Figure 3.1-1.	Key Observation Point Locations.....	26
Figure 3.1-2.	Key Observation Point 1.....	27
Figure 3.1-3.	Key Observation Point 2.....	28
Figure 3.1-4.	Key Observation Point 3.....	29
Figure 3.4-1 .	Habitat Components.....	46
Figure 3.10-1.	FEMA Flood Designations Map	75
Figure 3.13-1.	Noise Monitoring Locations	89

TABLES

Table 2-1.	Project Phase Timeline.....	15
Table 2-2.	Summary of Anticipated Equipment for Each Project Phase	16
Table 3.1-1.	Summary of Key Observation Points and Project Visual Effects	23
Table 3.3-1.	Phase 1 Construction Emissions Summary	37
Table 3.3-2.	Phase 2 Construction Emissions Summary	37
Table 3.3-3.	Phase 1 Operational Emissions Summary.....	38
Table 3.3-4.	Phase 2 Operational Emissions Summary.....	38
Table 3.6-1.	Summary of Project Operational Energy Consumption (Annual)	57
Table 3.8-1.	Phase 1 Annual Construction GHG Emissions (MTCO ₂ e per Year).....	66
Table 3.8-2.	Phase 2 Annual Construction GHG Emissions (MTCO ₂ e per Year).....	66
Table 3.8-3.	Annual Operational GHG Emissions (MTCO ₂ e per Year)	67
Table 3.13-1.	Short-Term Noise Measurement Data	88
Table 3.13-2.	Construction Vibration Damage Criteria.....	90
Table 3.13-3.	Human Response to Transient Vibration	91
Table 3.13-4.	(Table SN-1) Noise Compatibility Standards	92
Table 3.13-5.	(Table SN-2) Noise Level Standards from Stationary Sources.....	93
Table 3.13-6.	(Table 8.42.040) Exterior Nosie Level Standards, dBA.....	94
Table 3.13-7.	Typical Noise Levels From Construction Equipment.....	95

LIST OF ABBREVIATIONS

AB	Assembly Bill
ACM	asbestos-containing material
APN	Assessor's Parcel Number
ARB	California Air Resources Board
ATSDR	Agency for Toxic Substances and Disease Registry
BACT	Best Available Control Technology
BMP	best management practice
CAAQS	California ambient air quality standards
CAL FIRE	California Department of Forestry and Fire Protection
CalEPA	California Environmental Protection Agency
Cal/OSHA	California Division of Occupational Safety and Health
CalEEMod	California Emissions Estimator Model
CalEnviroScreen	California Communities Environmental Health Screening Tool
Caltrans	California Department of Transportation
CBC	California Building Code
CCVT	capacitor-coupled voltage transformers
CCR	California Code of Regulations
CDC	Centers for Disease Control and Prevention
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CGP	Construction General Permit
CGS	California Geological Survey
CHRIS	California Historical Resources Information System
CNDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNG	compressed natural gas
CNPS	California Native Plant Society
CO ₂	carbon dioxide
CRHR	California Register of Historical Resources
CT	current transformer

CUPA	Certified Unified Program Agency
DAC	disadvantaged community
dB	Decibel
dBA	A-Weighted Decibel
DDT	Dichlorodiphenyltrichloroethane
DOC	California Department of Conservation
DPM	Diesel-exhaust particulate matter
Draft IS/MND	Draft Initial Study/Mitigated Negative Declaration
DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
EJ	Environmental Justice
EMD	Environmental Management Department
ESA	federal Endangered Species Act
ESA Phase I	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FMMP	Farmland Mapping and Monitoring Program
FTA	Federal Transit Authority
GGRF	Greenhouse Gas Reduction Fund
GHG	Greenhouse gas
HMBP	Hazardous Materials Business Plan
HRSA	Health Resources & Services Administration
I-80	Interstate 80
in/sec	inch per second
kV	Kilovolt
L _{eq}	Energy Equivalent Noise Level
L _{max}	Maximum Noise Level
L _{min}	Minimum Noise Level
L _{dN} or DNL	Day-Night Average Noise Level
LBP	lead-based paint
lbs/day	pounds per day
LED	light emitting diode
LNG	liquefied natural gas

LUSTs	leaking underground storage tanks
MMRP	mitigation monitoring and reporting program
MTCO ₂ e	metric tons per year of CO ₂ equivalent
MVA	megavolt amperes
MVAR	megavolt amperes reactive
NAAQS	national ambient air quality standards
NAHC	Native American Heritage Commission
NASb	North American Subbasin
NCIC	North Central Information Center
NESHAP	National Emission Standard for Hazardous Air Pollutants
NOA	naturally occurring asbestos
NOI	notice of intent
NO _x	nitrogen oxides
NPDES	National Pollution Discharge Elimination System
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
OEHHA	Office of Environmental Health Hazards Assessment
OHWM	ordinary high-water mark
OPR	Governor's Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PCBs	polychlorinated biphenyls
PF	Public Facility
PT	potential transformers
PM	particulate matter
ppm	parts per million
PPV	peak particle velocity
PRC	Public Resources Code
Project	Folsom Administrative Operations Building Project
ROG	reactive organic gases
RWQCB	Regional Water Quality and Control Board
SB	Senate Bill
SF ₆	Sulfur Hexafluoride

SGMA	Sustainable Groundwater Management Act
SMAQMD	Sacramento Metropolitan Air Quality Management District
SMUD	Sacramento Municipal Utility District
SPCC	Spill Prevention Control and Countermeasure
SSBMI	Shingle Springs Band of Miwok Indians
SSC	species of special concern
SVAB	Sacramento Valley Air Basin
SVI	Social Vulnerability Index
SVP	Society of Vertebrate Paleontology
SWPPP	storm water pollution prevention plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
THRIS	Tribal Historic Information System
TMDL	Total Maximum Daily Load
TPH	total petroleum hydrocarbons
UAIC	United Auburn Indian Community
UCMP	University of California Museum of Paleontology
USEPA	United States Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
UST	underground storage tank
VMT	vehicle miles traveled
WAPA	Western Area Power & Administration
WEAP	Worker Environmental Awareness Program
WEAT	Worker Environmental Awareness Training
WDR	waste discharge requirement



Folsom Administrative Operations Building

July 2024

Page intentionally blank



1.0 INTRODUCTION

1.1 Project Overview

The Sacramento Municipal Utility District (SMUD) is proposing the Folsom Administrative Operations Building Project (“Project”) to construct and operate up to an approximately 100,000-square-foot administrative operations building and a 100-foot-high communications tower on a six-acre parcel in southwest Folsom. The Project would be located in an area surrounded by the existing industrial and business park uses to the north of State Route 50, west of Folsom Boulevard, and to the east of Lake Natoma. The Project would be developed in two phases: Phase 1 would include a 50,000-square-foot, one-story structure and communications tower; and Phase 2 would include a 50,000-square-foot, two-story connecting structure.

1.2 Purpose of Document

This Draft Initial Study/Mitigated Negative Declaration (Draft IS/MND) has been prepared by SMUD to evaluate potential environmental effects resulting from the Project. Chapter 2, “Project Description,” presents detailed project information.

This document has been prepared in accordance with the California Environmental Quality Act (CEQA) (Public Resources Code [PRC] Section 21000 et seq.) and the State CEQA Guidelines (California Code of Regulations [CCR] Section 15000 et seq.). Under CEQA, an IS can be prepared by a lead agency to determine if a project may have a significant effect on the environment (CEQA Guidelines Section 15063[a]), and thus to determine the appropriate environmental document. For this project, the lead agency has prepared the following analysis that identifies potential physical environmental impacts and mitigation measures that would reduce impacts to a less- than-significant level. SMUD is the lead agency responsible for complying with CEQA.

In accordance with CEQA, SMUD is distributing a notice of intent (NOI) to adopt a MND to solicit comments on the analysis and mitigation measures presented in this Draft IS/MND. The NOI will be distributed to property owners within a minimum of 1,000 feet of the Project, as well as to the State Clearinghouse/Governor’s Office of Planning and Research and each responsible and trustee agency. This Draft IS/MND will be available for review and comment from July 23, 2024 to August 22, 2024.



July 2024

Written comments (including those submitted via e-mail) must be received by close of business on August 22, 2024. Letters should be addressed to:

SMUD—Environmental Services
P.O. Box 15830 MS B209
Sacramento, CA 95852-1830
Attn: Jerry Park

E-mail comments should be addressed to Jerry.Park@smud.org. Anyone with questions regarding the NOI or Draft IS/MND may call Jerry Park at 916.732.7406.

Digital copies of the NOI and Draft IS/MND are available: <https://www.smud.org/CEQA>. Hard copies of the NOI and Draft IS/MND are available for public review at the following locations:

Sacramento Municipal Utility District
Customer Service Center
6301 S Street
Sacramento, CA 95817

Sacramento Municipal Utility District
East Campus Operations Center
4401 Bradshaw Road
Sacramento, CA 95827

1.3 Public Review Process

This Draft IS/MND is being circulated for a 30-day public comment period and is available at the locations identified above. Following the 30-day public review period, a Final IS/MND will be prepared, presenting written responses to comments received on significant environmental issues. Before SMUD's Board of Directors makes a decision on the Project, the Final IS/MND will be provided to all parties commenting on the Draft IS/MND.

1.4 SMUD Board Approval Process

The SMUD Board of Directors must adopt the IS/MND and approve the mitigation monitoring and reporting program before it can approve the Project. The Project and relevant environmental documentation will be formally presented at a SMUD Environmental Resources and Customer Service Committee meeting for information and discussion. The SMUD Board of Directors will then consider adopting the Final IS/MND and MMRP at its next regular Board meeting. Meetings of the SMUD Board of Directors are generally held on the third Thursday of each month.

1.5 Document Organization

This Draft IS/MND is organized as follows:

Chapter 1, “Introduction”: This chapter provides an introduction to the environmental review process and describes the purpose and organization of this document.

Chapter 2, “Project Description”: This chapter provides a detailed description of the Project.

Chapter 3, “Environmental Checklist”: This chapter presents an analysis of a range of environmental issues identified in the CEQA Environmental Checklist and determines whether the Project would result in no impact, a less-than-significant impact, or a less-than-significant impact with mitigation incorporated. Where needed to reduce impacts to a less-than-significant level, mitigation measures are presented.

Chapter 4, “Environmental Justice Analysis”: Although not required by CEQA, SMUD has elected to prepare an evaluation of potential environmental justice issues related to the Project.

Chapter 5, “List of Preparers”: This chapter lists the organizations and people who prepared the document.

Chapter 6, “References”: This chapter lists the references used in preparation of this Draft IS/MND.

1.6 Environmental Factors Potentially Affected

Impacts on the environmental factors below are evaluated using the checklist included in Chapter 3. SMUD determined that the environmental factors checked below would be less than significant with implementation of mitigation measures. It was determined that the unchecked factors would have a less-than-significant impact or no impact.

- | | | |
|--|---|--|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture and Forestry Resources | <input checked="" type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Energy |
| <input type="checkbox"/> Geology / Soils | <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials |
| <input type="checkbox"/> Hydrology / Water Quality | <input type="checkbox"/> Land Use / Planning | <input type="checkbox"/> Mineral Resources |
| <input checked="" type="checkbox"/> Noise | <input type="checkbox"/> Population / Housing | <input type="checkbox"/> Public Services |
| <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation / Traffic | <input checked="" type="checkbox"/> Tribal Cultural Resources |
| <input type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Wildfire | <input checked="" type="checkbox"/> Mandatory Findings of Significance |

July 2024

1.7 Determination

On the basis of this initial evaluation:

- I find that the proposed project could not have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project COULD have a significant effect on the environment, there WILL NOT be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

July 23, 2024

Date

Printed Name

Environmental Management Specialist

Title

Sacramento Municipal Utility District

Agency

2.0 PROJECT DESCRIPTION

SMUD is proposing to construct and operate an approximately 100,000-square-foot administrative operations building and a 100-foot-high communications tower in southwest Folsom within Sacramento County. The Folsom Administrative Operations Building Project (hereafter referred to as “Project”) is proposed to be constructed on a six-acre parcel in an area surrounded by the existing industrial and business park uses to the north of State Route 50, west of Folsom Boulevard, and to the east of Lake Natoma.

2.1 Project Location

The Project site is located within the City of Folsom in Sacramento County at 102 Woodmere Road; Assessor Parcel Number (APN) 069-0240-031-0000. The site is just east of Lake Natoma and west of Folsom Boulevard. Land uses surrounding the Project site include the American River Parkway and Lake Natoma to the west, and existing office and industrial uses to the north, south, and east. The site has been previously mass graded and contains a cul-de-sac roadway, Shore Court, which extends north from Woodmere Road. See **Figures 2-1 through 2-3**.

The Project site is approximately 0.9 miles north of Highway 50 and approximately 0.3 miles west of Folsom Boulevard. Current access to the Project site is obtained through Shore Court.

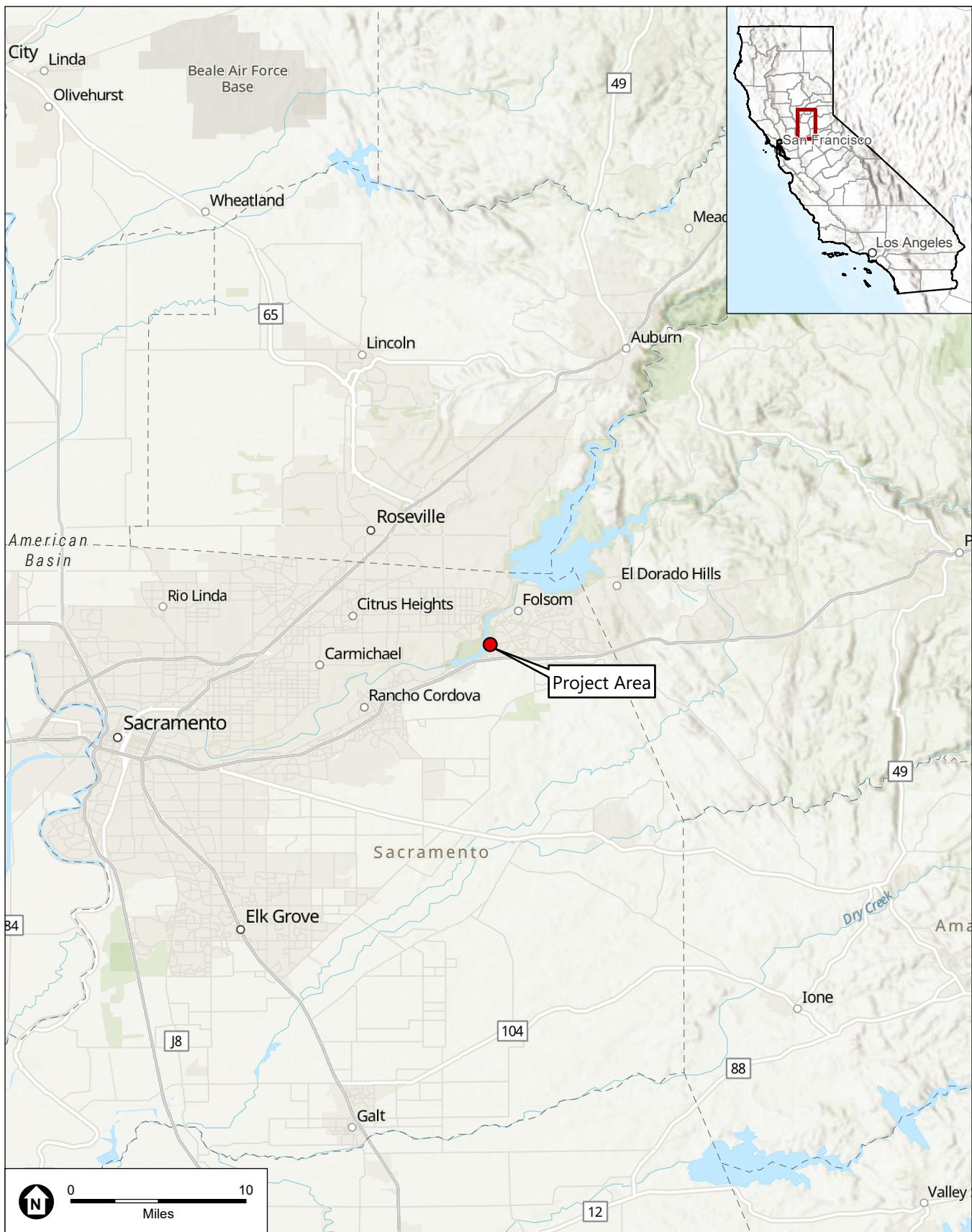
2.2 Project Objectives

The objectives of the Project are to:

- contribute to SMUD’s goals for ensuring electrical service reliability;
- provide safe and reliable electrical service to existing and proposed development in the Folsom area and beyond; and
- minimize impacts to nearby sensitive receptors and sensitive natural communities.

2.3 Background Information

The Project site is currently vacant and has previously been mass graded. It is fenced off and contains a cul-de-sac roadway, Shore Court, which extends north from Woodmere Road into the Project site. The six-acre site, is zoned “M-1 PD – Light Industrial, Planned Development District” and has a City of Folsom General Plan land use designation of “IND – Industrial/Office Park.”



SOURCE: esri, 2023; Sacramento County, 2023; ESA, 2024

SMUD Folsom Office Building Project

Figure 2-1
Regional Location



SOURCE: esri, 2023; Sacramento County, 2023; ESA, 2024

SMUD Folsom Office Building Project

Figure 2-2
Project Vicinity



SOURCE: esri, 2023; Sacramento County, 2023; ESA, 2024

SMUD Folsom Office Building Project

Figure 2-3
Project Site

Surrounding land uses include the American River Parkway and Lake Natoma to the west as well as office and industrial uses to the north, south, and east. This includes the Western Area Power Administration (WAPA) facilities directly north, as well as various corporate offices and commercial buildings to the south.

2.4 Proposed Project

The Project consists of constructing and operating an approximately 100,000-square-foot administrative office building and a 100-foot-high communications tower on a six-acre parcel in southwest Folsom. Site improvements would include new electrical equipment, landscaping and security features, driveway access, site fencing, lighting, a drainage easement, and utilities.

2.4.1 Project Components

The Project consists of an administrative office building, communications tower, as well as overall site features. The Project would be constructed in two phases. Phase 1 would include the construction of approximately 50,000 square feet of administrative offices and communications tower; and Phase 2 would construct approximately 50,000 square feet of administrative offices and connect to the Phase 1 building. The building would contain offices for SMUD employees and operational facilities. **Figures 2-4** shows the proposed site plan.

The existing drainage system easement onsite would be relocated, and the new 15-foot-wide easement would occur along the southern edge to the western edge of the Project site.

The Project would also include approximately 150 parking spaces located throughout the eastern, western, and southern edges of the Project site. The entirety of the Project site would be surrounded by an eight-foot-high exterior fence with secure vehicle access. Landscape strips with perimeter trees would be located in the landscaped areas along the northwest and east sides of the project site, within the perimeter fence.

Communications Tower

The Project would include a communications tower approximately 100 feet in height, located at the northeast corner of the Project site.

Driveway Access

The Project would include a single secured primary entrance off Woodmere Road at the southeast edge of the site, and a secured emergency vehicle access located along the eastern side of the site to the adjacent property.



SOURCE: Google, 2023; Sacramento County, 2023; SMUD, 2024; ESA, 2024

Folsom Administrative Operations Building Project

Figure 4
Conceptual Site Design

Lighting

Lighting would be provided for safety, security, and nighttime emergency maintenance. Lighting would fulfill the National Electrical Safety Code requirements. Lights would likely be installed at the entry gates and various locations throughout the site. Most lighting would be off during standard operating conditions, except on occasions when nighttime access is required. All lighting would be oriented downward toward major equipment to minimize glare onto surrounding properties.

Stormwater Drainage

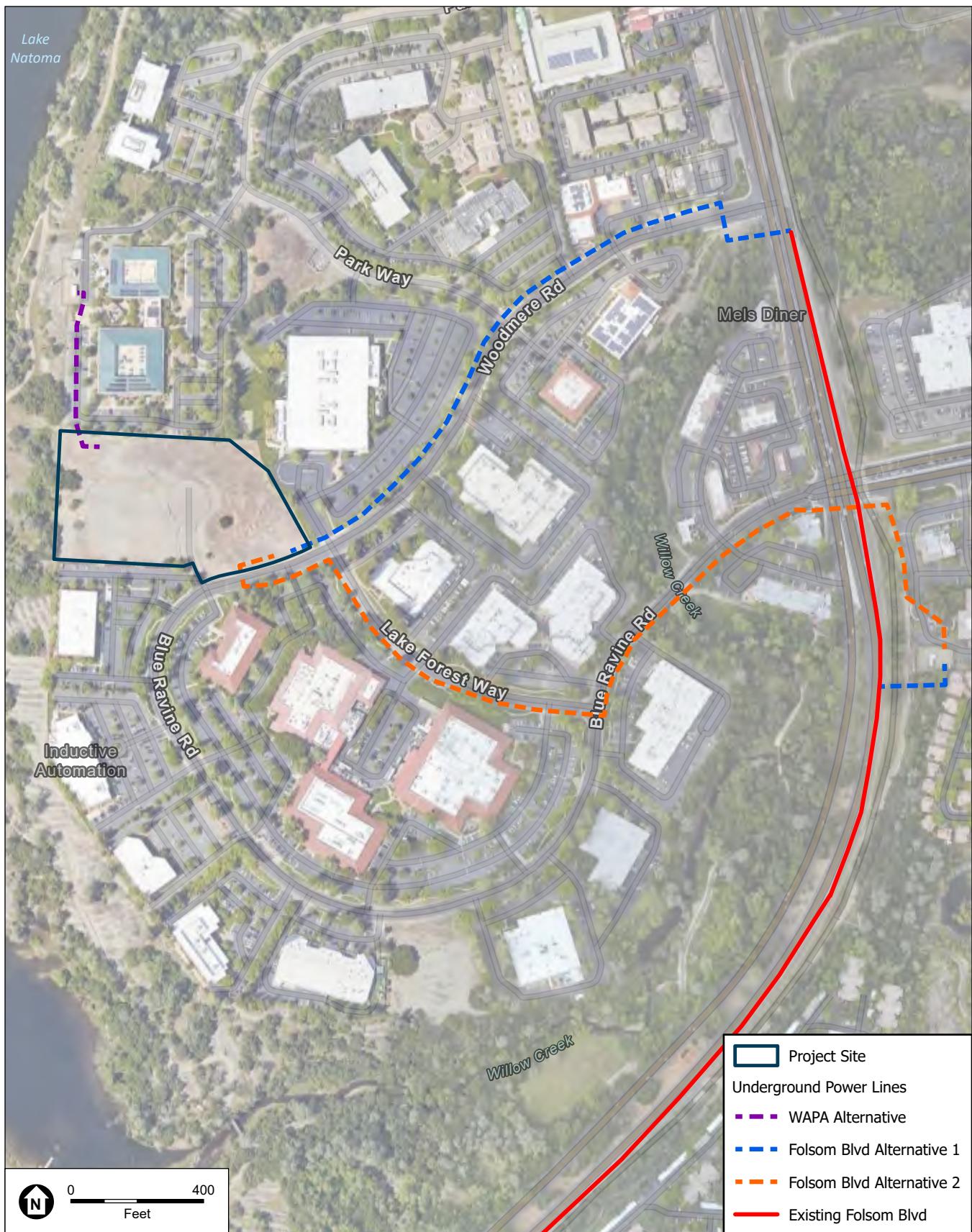
Current site drainage includes an existing storm drain that runs through the Project site to an outfall on the western edge of the site. The development of the Project would include relocation of the existing storm drain along the southern and western sides of the Project site to the existing outfall. To meet City of Folsom Environmental & Water Resources Department requirements, accesses for the relocated sewer system would all be located within public right of way. Site drainage would be designed and constructed to connect to the rerouted storm drainage infrastructure.

Utilities

Utility service would be provided to the site through the existing utility connections accessible from existing public right of way. Some offsite utility improvements would be required to serve the Project. Those connections would be made to existing utility services at Folsom Boulevard and would require trenching within existing roadways and utility easements along one of the utility path alternatives identified in **Figure 2-5**. Utility components of the Project would be completed during the first phase of Project development.

2.4.2 Project Operation and Maintenance

Operation of the proposed administrative operations building would take place during all hours. Operation would occur across two 12-hour shifts, beginning and ending at 6:00 am and 6:00 pm respectively. Workers at the Project site would include 10 workers for Phase 1 and 30 workers for Phase 2, for a total of 40 workers, split across two-shifts.



SOURCE: esri, 2023; Sacramento County, 2023; ESA, 2024

Folsom Administrative Operations Building Project

Figure X
Offsite Improvements

2.4.3 Project Construction

Construction Phasing

Construction of the Project phases (Phase 1 and 2) may occur sequentially, or they may overlap, and not all pieces of construction equipment may be used for the entire duration of a construction phase. The phases of construction would include the following:

- Site preparation
 - clearing and grubbing
 - site grading
 - site drainage
 - fencing installation
 - below-grade civil construction, including water and sewer lines, foundations, electrical grounding, and conduits.
- Structural Components
 - administrative operations building construction
 - electrical equipment installation

Site Preparation

The Project site was previously graded so minimal clearing and grubbing is anticipated to be needed for construction of the Project. Any existing vegetation would be cleared from the site, as needed.

As part of site preparation, the existing storm drain infrastructure within the site would be rerouted along the southern and western perimeter of the property within an approximately 15-foot-wide service easement to be made available for drainage infrastructure maintenance.

The proposed Project site would be further graded for construction of the proposed structures, surface drainage, and driveways and landscaped areas. SMUD anticipates the potential for excavation and removal of existing soil and import of backfill to establish final grade within the site. While volumes are not yet finalized, the Project currently estimates a volume of up to 30,000 cubic yards of exported soils and 10,000 cubic yards of imported fill for the purpose of this analysis.

Below grade water and sewer lines and subsurface drainage components would be installed. Foundations for the Phase 1 administrative operations building and communications tower would also be installed at or below grade. The maximum depth of construction within the Project site would be approximately 15 feet.

A 1,700-linear-foot security fence would be installed around the perimeter of the Project site. The proposed perimeter fence will be similar to the perimeter fence of the adjacent Western Area Power Administration (WAPA) facility, to the north. Landscaping would be installed between the property line and the new perimeter fence.

The new administrative operations building would be constructed utilizing building materials and methods common to the proposed size and type of structures proposed. The Project would not require heavy noise-generating construction methods such as pile construction.

Construction Schedule

Construction of Phase 1 would be anticipated to begin during the 3rd quarter of 2025 and be anticipated to last approximately 18-22 months. Future construction of Phase 2 has not been scheduled and would be anticipated to last approximately 18 months.

Table 2-1 summarizes the timeline for the Project construction phases. The phases may be sequential, or they may overlap.

Table 2-1. Project Phase Timeline

Project Construction Phase	Timeline
Clearing and grubbing	1 weeks
Grading, drainage facilities, and access road improvements	16 weeks
Installation of perimeter fencing	4 weeks
Installation of water and sewer lines, electrical grounding, below-ground conduits, cable troughs, and foundations	16 weeks
Construction of the administrative operations building	80 weeks
Construction of the communications tower	8 weeks
Paving of the Project interior driveways and access roads	2 weeks
Commissioning phase	10 weeks
Total Anticipated Construction Duration	88 weeks

Personnel, Equipment, and Staging

Construction would require an average daily worker population of approximately 50 workers, with up to approximately 70 workers during peak construction activities associated with on-site demolition, re-grading, and heavy equipment deliveries. Crews would normally work Monday through Friday from 7 a.m. to 3:30 p.m.

Table 2-2 provides summary of the typical and anticipated construction equipment that would be used for each Project phase.

Staging for construction equipment and a materials laydown area would be located within the existing site along the east side of the Project site.

Construction materials would be delivered to the site and stored on the Project site or in the designated staging and laydown area. Deliveries would be made by concrete trucks, flatbed trucks, and tractor-trailer rigs. Hazardous materials, including paint, grease, epoxies, and oil would be delivered to the site, and stored in either storage lockers or covered containers with secondary containment, in accordance with local, state, and federal requirements.

Table 2-2. Summary of Anticipated Equipment for Each Project Phase

Equipment	Project Phase
Asphalt paver	Paving
Backhoe	Clearing and grubbing, grading, fencing, below grade civil construction, building construction, paving
Boom truck	Building construction
Compactor	Clearing and grubbing, grading
Concrete truck	Fencing, below grade civil construction, building construction,
Crane	Building construction, erection of structural steel components, tower construction
Crew vehicles	Clearing and grubbing, grading, fencing, below grade civil construction, building construction, paving, erection of structural steel components,
Dozer	Clearing and grubbing, grading
Excavator	Clearing and grubbing, grading, fencing, below grade civil construction, building construction
Forklift	Fencing, below grade civil construction, control building construction, tower construction
Front-end Loader	Clearing and grubbing, grading, below grade civil construction, building construction, paving
Generator	Clearing and grubbing, grading, fencing, below grade civil construction, building

Equipment	Project Phase
	construction, paving
Grader	Clearing and grubbing, grading
Manlift	Building construction, tower construction
Scraper	Clearing and grubbing, grading
Semi-end dump truck	Clearing and grubbing, grading, fencing, below grade civil construction, building construction, paving
Semi-flatbed truck	Fencing, below grade civil construction, building construction
Service truck	Clearing and grubbing, grading, fencing, below grade civil construction, building construction, paving
Skid steer with drills	Fencing, below grade civil construction, building construction
Tandem haul trucks	Clearing and grubbing, grading
Truck-mounted drill rig	Below grade civil construction, control building construction,
Vibratory roller	Clearing and grubbing, grading, fencing, below grade civil construction, building construction, paving
Water truck/sweeper	Clearing and grubbing, grading, fencing, below grade civil construction, building construction, paving
Welder	Below grade civil construction, building construction, Tower construction

2.5 Potential Permits and Approvals Required

Elements of the Project could be subject to the permitting and/or approval authority of other agencies. As the lead agency pursuant to CEQA, SMUD is responsible for considering the adequacy of this IS/MND and determining whether the Project should be approved. The following agencies could require permits or approvals as part of Project implementation:

- **California Department of Transportation (Caltrans):** Caltrans issues permits for movement of oversized or excessive loads on state highways.
- **Sacramento Metropolitan Air Quality Management District (SMAQMD):** Authority to Construct/Permit to Operate pursuant to SMAQMD Regulation 2 (Rule 201 et seq.).
- **City of Folsom:** The Project would require subsequent entitlements, specifically a Planned Development Permit and Conditional Use Permit, followed by any site improvement and building permits as required by Folsom Municipal Code.
- **State Water Board:** Construction General Stormwater Permit



Folsom Administrative Operations Building

July 2024

- **Federal Aviation Administration (FAA):** Negative Declaration for Air Navigation (From 760) for the Proposed Communications Tower
- **Federal Communications Commission (FCC):**
 - Environmental Certification for the Proposed Communications Tower
 - License to Transmit for the Proposed Communications Tower

3.0 ENVIRONMENTAL IMPACT EVALUATION

3.0 Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
4. “Negative Declaration: Less Than Significant with Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less-Than-Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less-than-significant level (mitigation measures from “Earlier Analyses,” as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063I(3)(D). In this case, a brief discussion should identify the following:
 - a. **Earlier Analysis Used.** Identify and state where they are available for review.
 - b. **Impacts Adequately Addressed.** Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

- c. Mitigation Measures. For effects that are “Less than Significant with Mitigation Measures Incorporated,” describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the Project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project’s environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
 - a. the significance criteria or threshold, if any, used to evaluate each question; and
 - b. the mitigation measure identified, if any, to reduce the impact to less than significance.

3.1 Aesthetics

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
I. Aesthetics.				
Except as provided in Public Resources Code Section 21099 (where aesthetic impacts shall not be considered significant for qualifying residential, mixed-use residential, and employment centers), would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage points.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.1.1 Environmental Setting

The Project site is an undeveloped, relatively flat parcel that has been previously cleared and graded and has become compacted over the last several years resulting in little vegetative cover. Shore Court extends into the center of the site from Woodmere Road.

3.1.2 Discussion

a) Have a substantial adverse effect on a scenic vista?

Less than Significant. A scenic vista is generally considered a view of an area that has remarkable scenery or of a resource that is endemic to the area. Scenic vistas within the city of Folsom vary from short-range to long-range views, depending upon the topography, intervening buildings, and the presence of mature vegetation (City of Folsom 2018). Elevated views of Lake Natoma and the American River Parkway from surrounding bluffs provide remarkable scenery and are considered a scenic vista. As shown in **Figure 3.1-4** and discussed in greater detail in response (c) below, due to distance and

intervening vegetation, the proposed development would be nearly indistinguishable from surrounding development when viewed from the western shore of Lake Natoma. The Project would blend with the surrounding existing business development and would not have a substantial adverse effect on this scenic vista. This impact would be less than significant.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. According to the California Scenic Highway Mapping System, at approximately 20 miles to the east, U.S. 50 east of Placerville is the closest officially designated scenic highway to the Project site. SR 49, ranging from 15 to 20 miles east of the Project site, is eligible for official designation as a state scenic highway. Given the distances between the Project site and these highways, it can be assumed that the Project would not be visible to travelers along either corridor. There are no federal byways or County designated scenic routes in the Project vicinity. No impact to scenic resources within a state scenic highway would occur.

c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage points.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

The Project site is located in an urbanized area but is adjacent to a non-urbanized area that includes open space and recreational uses. As discussed in greater detail in Section 3.11, “Land Use and Planning,” the Project would be required to obtain a Planned Development Permit from the City of Folsom for the proposed communications tower to exceed the maximum height standard established for the Project site. The Project is designed to be consistent with the applicable zoning and development standards related to design and aesthetics including requirements for neutral colored building exteriors, shielded lighting, and landscape screening, and would be subject to review by the City of Folsom Planning Commission to achieve desired city standards.

Three key observation points (KOPs) were selected for focused evaluation of the Project’s potential effects on public views. **Figure 3.1-1** shows the location of each KOP in relation to the Project site. As shown, the KOPs provide a range of public viewpoints located within the visually sensitive American River Parkway. **Figures 3.1-2 through 3.1-4** provide visual simulations of the anticipated views of the Project site from each of the KOPs. **Table 3.1-1** describes each of the selected KOPs and summarizes the anticipated visual effects of the Project on each viewpoint.

Table 3.1-1. Summary of Key Observation Points and Project Visual Effects

Key Observation Point	Description	Evaluation of Visual Effect
KOP 1	KOP 1 represents short range views of vehicle passengers and pedestrians as they approach the Project site from Woodmere Road.	<p>As shown in Figure 3.1-2, with development of the Project, views from KOP 1 would fundamentally change from a vacant site to an office building with prominent communications tower, security fencing, and trees.</p> <p>While this change would be considered substantial, the proposed development would be consistent with surrounding development and would be expected given the site's location within an established business park. Furthermore, consistent with the development standards established for the Lake Forest Technical Center, the proposed building exterior would be finished with neutral colors that would blend with surrounding scenery and would be screened from view by shade trees and other landscaping. Therefore, while the visual change from the current vacant lot at KOP 1 would be substantial, it would not degrade the visual character or quality of the site.</p>
KOP 2	KOP 2 represents short range views of cyclists and other recreationists using the Jedediah Smith Memorial Trail/American River Bike Trail immediately west of the Project site	<p>From KOP 2, existing external vegetation along the Trail as well as proposed perimeter trees would limit views of the proposed development to the northwestern corner of the site. As shown in Figure 3.1-3, the corner of the proposed building and fencing would be partially visible but because of the neutral toned building finishes it would blend with the surrounding scenery and would not become a prominent visual feature. The upper portion of the proposed telecommunications tower would be visible from this location as it projects above the roof line of the proposed building. However, given its distance from KOP 2 and the position of the trail below the grade of the project site, the tower is mostly obscured by the building and existing and proposed vegetation and would not become a prominent visual feature at this location.</p> <p>This segment of the American River Bike Trail is in a non-urbanized setting. However, compared to areas just to the north and south of the business park, views from the segment of the bicycle trail that runs adjacent to the business park includes numerous breaks in vegetation where urbanized development is visible. Cyclists and pedestrians traveling along this segment of the trail are frequently exposed to views of office buildings, fencing, and pole-mounted utilities, which are relatively consistent with the presence of a communications tower.</p>

Key Observation Point	Description	Evaluation of Visual Effect
		In context, introduction of the Project to the existing views at KOP 2 would be consistent with the setting within this segment of the trail and would not substantially degrade the visual character or quality. Therefore, while the visual change from the current vacant lot at KOP 1 would be substantial, it would not degrade the visual character or quality of the site.
KOP 3	<p>KOP 3 represents mid-range views of the eastern shore of Lake Natoma from Arden Bluff which sits at a higher elevation than the Project site on the west side of Lake Natoma. This KOP is located at a public trailhead that connects the Arden Bluff neighborhood in unincorporated Sacramento County with the Jedediah Smith Memorial Trail/American River Bike Trail.</p>	<p>As shown on Figure 3.1-4, given the distance of KOP 3 from the Project site and the intervening thick vegetation, the proposed development would be nearly indistinguishable from surrounding development and pole-mounted utility lines. Implementation of the Project would not substantially degrade the visual character or quality of views at this location.</p>

As described in Table 3.1-1, development of the Project site as proposed would not substantially degrade the existing visual character or quality of public views of the site and its surroundings. The Project could not meet the development standards adopted for the Lake Forest Technical Center, thus requiring the approval of a Planned Development Permit from the City of Folsom. Although the proposed communications tower would exceed the maximum height standards established for the site, as shown in Figures 3.1-1 through 3.1-4 and discussed in Table 3.1-1, the tower would be consistent with surrounding development and utilities. Additionally, views of the buildings and communications tower from the west of the Project site would be mostly obscured by screening trees. Compliance with applicable zoning regulations and the development standards established for the Lake Forest Technical Center would ensure that development of the site blends with the surrounding business park and minimizes effects to surrounding views. This impact would be less than significant.

- d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less than Significant. Construction activities would occur during daylight hours and would not require nighttime lighting. Construction equipment is unlikely to have reflective surfaces, other than what is required for safety purposes, and would not be a substantial source of glare in the Project area. During Project operation, exterior lighting would be present throughout the site for security purposes and would include both building and pole-mounted lighting fixtures. In accordance with City standards, all lighting fixtures would be shielded and directed downward to avoid light spillage onto adjacent properties, including the open space area to the west of the Project site, and illumination of the night sky. Compliance with existing local regulations would ensure that visibility of proposed lighting from offsite viewpoints would be minimized to the extent possible. Therefore, this impact would be less than significant.

Figure 3.1-1. Key Observation Point Locations

Figure 3.1-2. Key Observation Point 1

Figure 3.1-3. Key Observation Point 2

Figure 3.1-4. Key Observation Point 3

3.2 Agriculture and Forestry Resources

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
II. Agriculture and Forest Resources.				
In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997, as updated) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.				
Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.2.1 Environmental Setting

The Project is located in an urbanized area within an existing business park. There are no agricultural or forestry uses within or near the Project site.

3.2.2 Discussion

- a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The Project would have no impact on agricultural use of parcels designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The Project site is not located on land designated either as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. Because implementation of the Project would not result in the conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use, there would be ***no impact*** and no mitigation is required.

- b) Conflict with existing zoning for agricultural use or a Williamson Act contract?

No Impact. The proposed administrative operations building Project is located on parcels zoned “M-1 PD – Light Industrial, Planned Development District.” There are no parcels near the Project site zoned for agriculture or under an active Williamson Act contract. Thus, there would be ***no impact*** and no mitigation is required.

- c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

- d) Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The Project site does not include provisions for timberland or forest land. There are no parcels surrounding the Project site with zoning for forest land, timberland, or timberland zoned Timberland Production. Therefore, there would be ***no impact*** and no mitigation is required.

- e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?

No Impact. As described above, the Project site is not located within or near agricultural uses or forest resources. The Project would not result in conversion of farmland to non-agricultural use or conversion of forest land to non-forest use. Therefore, the Project would result in ***no impact***, and no mitigation is required.

3.3 Air Quality

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
III. Air Quality.				
Are significance criteria established by the applicable air district available to rely on for significance determinations?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.3.1 Environmental Setting

Air quality in Sacramento County is regulated by several jurisdictions including the U.S. Environmental Protection Agency (US EPA), the California Air Resources Board (CARB), and the Sacramento Metropolitan Air Quality Management District (SMAQMD). Each of these jurisdictions develops rules, regulations, and policies to attain the goals or directives imposed upon them through legislation.

The US EPA has established national ambient air quality standards (NAAQS) for six criteria air pollutants, which are known to be harmful to human health and the environment: carbon monoxide, lead, nitrogen dioxide, ozone, particulate matter (which is categorized into particulate matter less than or equal to 10 microns in diameter [PM₁₀] and particulate matter less than or equal to 2.5 microns in diameter [PM_{2.5}]), and sulfur dioxide. The State of California has established the California ambient air quality standards (CAAQS) for these six pollutants, as well as for sulfates, hydrogen sulfide, vinyl chloride, and visibility-

reducing particles. NAAQS and CAAQS were established to protect the public from adverse health impacts caused by exposure to air pollution (USEPA 2023).

The designation of an area as in attainment, nonattainment, or unclassified, with respect to applicable standards is the responsibility of CARB. An “attainment” designation for an area signifies that pollutant concentrations did not violate the applicable standard in that area. A “nonattainment” designation indicates that a pollutant concentration violated the applicable standard at least once. An “unclassified” designation signifies that the data does not support either an attainment or nonattainment designation.

The Project site is located within the Sacramento Valley Air Basin (SVAB). Sacramento County is currently designated as nonattainment for both the federal and state ozone standards, the federal PM_{2.5} standard, and the state PM₁₀ standard. The region is designated as in attainment or as unclassifiable for all other NAAQS and CAAQS (CARB 2024a).

SMAQMD is the local agency responsible for air quality planning and development of air quality plans in the Project area. SMAQMD maintains an attainment plan for achieving the state and federal ozone standards that was updated and approved by the SMAQMD Board and CARB in 2017. The air quality plan establishes strategies to achieve compliance with the NAAQS and CAAQS ozone standards in all areas within SMAQMD’s jurisdiction. There are currently no plans available for achieving the federal PM_{2.5} or state PM₁₀ standards.

SMAQMD has developed the Sacramento Regional 2008 NAAQS 8-Hour Ozone Attainment and Reasonable Further Progress Plan as an air quality plan, which presents comprehensive strategies to reduce reactive organic gases (ROG), nitrogen oxides (NO_x), PM₁₀, and PM_{2.5} emissions from stationary, area, mobile, and indirect sources to achieve attainment status of the NAAQS and CAAQS. The plan relies on projected population, employment, and vehicle miles traveled (VMT) growth from regional and local land use plans such as general plans or community plans to estimate population growth. Projects exceeding growth projections could increase VMT and mobile source emissions, conflicting with plan implementation. Such VMT increases beyond what's projected in the Sacramento's regional VMT modeling and SMAQMD's regional air quality plan would significantly hinder SVAB's ability to achieve CAAQS and NAAQS for all air pollutants.

Within California, there are additional regulated pollutants that pose a hazard to human health. These are broadly categorized as toxic air contaminants (TACs); these are regulated through the Tanner Air Toxics Act (AB 1807) and the Air Toxics Hot Spots Information and Assessment Act of 1987 (AB 2588). At the local level, the SMAQMD has authority over stationary or industrial sources, and all projects that require air quality permits from the SMAQMD are evaluated for TAC emissions. Among the TACs identified by CARB, diesel-exhaust particulate matter (DPM), recently designated, is one of CARB's highest priorities, with an aggressive plan to require cleaner diesel fuel and cleaner diesel engines and vehicles (CARB 2024b).

Methods

Emissions associated with the construction and long-term operation of the Project were calculated using the California Emissions Estimator Model (CaLEEMod), version 2022.1.1.2. Methods and results of the analysis are presented in **Appendix A**.

Impact Thresholds

SMAQMD-recommended thresholds of significance are used to determine if localized and/or regional air quality emissions would adversely affect human health (*Guide to Air Quality Assessment in Sacramento County, SMAQMD 2020*). Project-generated emissions are considered significant if the Project would:

- Result in short-term (construction) emissions of NOX above 85 maximum pounds per day (ppd);
- Result in short-term (construction) emissions of PM₁₀ above zero ppd without implementation of all best management practices (BMPs) and above 80 maximum ppd or 14.6 tons per year (tpy) after implementation of all BMPs;
- Result in short-term (construction) emissions of PM_{2.5} above zero ppd without implementation of all BMPs and above 82 maximum ppd or 15.0 tpy after implementation of all BMPs;
- Result in long-term (operational) emissions of NOX or ROG above 65 maximum ppd;
- Result in long-term (operational) emissions of PM₁₀ above zero ppd without implementation of all BMPs and above 80 maximum ppd or 14.6 tpy after implementation of all BMPs;
- Result in long-term (operational) emissions of PM_{2.5} above zero ppd without implementation of all BMPs and above 82 ppd or 15.0 tpy after implementation of all BMPs;
- Expose any off-site sensitive receptor to a substantial incremental increase in TAC emissions that exceed 10 in one million for carcinogenic risk (i.e., the risk of contracting cancer) and/or a noncarcinogenic hazard index of 1.0 or greater; or
- Create objectional odors affecting a substantial number of people.

Importantly, both the construction and operational thresholds for PM₁₀ and PM_{2.5}, as described above, assume the application of SMAQMD-recommended BMPs and the use of Best Available Control Technology (BACT) to minimize emission of PM₁₀ and PM_{2.5}. Without the application of BMPs and BACT, the threshold for PM₁₀ and PM_{2.5} during construction and operations is zero pounds per day.

3.3.2 Discussion

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less than Significant. According to the SMAQMD, construction of land use development projects have the potential to obstruct the success of the regional ozone attainment plans and would therefore be considered significant and require mitigation. The Project would be required to comply with all SMAQMD rules and regulations for construction, including but not limited to,

- Rule 403 related to Fugitive Dust
- Rule 404 related to Particulate Matter

To apply the PM₁₀ and PM_{2.5} thresholds presented in *Impact Thresholds*, projects must implement all feasible SMAQMD BACTs and BMPs related to dust control. In the case of construction activities, projects are required to implement the SMAQMD's identified Basic Construction Emissions Control Practices (BCECPs), which are considered by the SMAQMD to be the applicable construction BMPs. The BMPs are listed as Mitigation Measure 3.3-1 under Impact b).

The control of fugitive dust during construction is required by SMAQMD Rule 403 and enforced by SMAQMD staff. Emissions of ROG, NO_x, PM₁₀, and PM_{2.5} from construction are discussed below. As discussed in Impact b), criteria air pollutant emissions are expected to be below the construction emissions thresholds.

If the Project's maximum operational daily emissions of ROG, NO_x, PM₁₀ or PM_{2.5} during either the summer or winter season or annual emissions of PM exceeds SMAQMD's thresholds of significance, then the Project will have a significant air quality impact and conflict with or obstruct implementation of the District's air quality planning efforts. It is anticipated that operational activities associated with the Project would include operation of the newly constructed office facility, the use of back-up generators, employee trips, and operation and maintenance of the facility. As discussed in Impact b), criteria air pollutant emissions are expected to be below the operational emissions thresholds.

For these reasons, short-term construction and long-term operation of the Project would not conflict with or obstruct air quality planning efforts. As a result, this impact would be considered less than significant, and no mitigation is required.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less than significant with mitigation incorporated. The Project would generate criteria air pollutant emissions from both construction and operation, and each are evaluated to determine the extent to which the Project may result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality

standard. The project-specific air quality emissions analysis includes an analysis of both construction and operational emissions estimated using the California Emissions Estimator Model and compares the estimated emissions to quantitative thresholds from the *SMAQMD Thresholds of Significance*, to determine the level of significance of this impact. Both phases of construction and operational emissions of the Project are estimated to be below these thresholds.

Construction Emissions

The Project includes construction activities that would require the use of trucks/vehicles and heavy construction equipment (e.g., scrapers, loaders, cranes, etc.). Construction of the Project was modeled over an approximately 27-month period beginning in July 2025 and ending in October 2029.

Construction is assumed to occur five days per week. Phase 1 construction includes the majority of the Project's facilities, including the office building, communications tower, perimeter fencing, ground utilities, and parking lot. Phase 2 construction includes an extension to the office building facility.

A quantitative analysis of the Project's construction criteria air pollutant emissions was conducted using the latest version of CalEEMod to determine whether the Project could result in construction emissions would exceed the SMAQMD criteria air pollutant significance thresholds. CalEEMod incorporates the engine tier status of equipment by default based on the equipment inventory mix for the given construction year. The estimated construction emissions are presented in **Table 3.3-1 and Table 3.3-2** for Phases 1 and 2, respectively, *Construction Emissions Summary*.

As shown in Tables 3.3-1 and 3.3-2, the total construction emission of the Project over the approximately 27-month period would be below the SMAQMD threshold of significance. As a result, Project construction activities would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment status under an applicable federal or state ambient air quality standard during construction, and this impact would be less than significant.

Operational Emissions

Project operation would begin in 2027 for Phase 1 and 2029 for Phase 2. Once operational, the Project would generate minimal air pollutant emissions. Anticipated operational emissions would primarily be limited to sources such as staff vehicle trips, area sources such as consumer products and landscape maintenance, energy sources such as natural gas usage, and stationary sources such as back-up emergency generators. The expected daily pollutant generation from these sources associated with the Project was estimated using CalEEMod and are presented in **Table 3.3-3 and 3.3-4** for Phases 1 and 2, respectively, *Operational Emission Summary*.

Table 3.3-1. Phase 1 Construction Emissions Summary

Construction Activity	Emissions ¹ ROG (lbs/day)	Emissions ¹ NO _x (lbs/day)	Emissions ¹ PM ₁₀ (lbs/day)	Emissions ¹ PM _{2.5} (lbs/day)	Emissions ¹ PM ₁₀ (tons/year)	Emissions ¹ PM _{2.5} (tons/year)
2025	1.06	9.40	1.28	0.69	0.23	0.13
2026	2.40	17.30	0.83	0.64	0.15	0.12
2027	2.90	12.50	0.58	0.44	0.11	0.08
Maximum Emissions ² :	2.90	17.30	1.28	0.69	0.23	0.13
SMAQMD Thresholds ³ :	None	85	0/80	0/82	0/14.6	0/15
Exceeds Thresholds?	NO	NO	YES/NO	YES/NO	YES/NO	YES/NO

¹ Emissions were quantified using the CalEEMod, v2022.1.1.2, computer program. Includes onsite and offsite sources. Does not include reductions in fugitive dust associated with compliance with SMAQMD's BMP. Totals may not sum due to rounding.
² Maximum daily emissions assumes some activities could potentially occur simultaneously on any given day.
³ SMAQMD has established a zero emissions threshold for PM10 and PM2.5 when projects do not implement SMAQMD-recommended BMPs.
Lbs/day = pounds per day; ton/year = tons per year; NO_x = oxides of nitrogen; PM₁₀ = respirable particulate matter (10 micrometers or less); PM_{2.5} = respirable particulate matter (2.5 micrometers or less)
Source: ESA 2024

Table 3.3-2. Phase 2 Construction Emissions Summary

Construction Activity	Emissions ¹ ROG (lbs/day)	Emissions ¹ NO _x (lbs/day)	Emissions ¹ PM ₁₀ (lbs/day)	Emissions ¹ PM _{2.5} (lbs/day)	Emissions ¹ PM ₁₀ (tons/year)	Emissions ¹ PM _{2.5} (tons/year)
2027	0.37	2.59	0.12	0.09	0.02	0.02
2028	2.39	16.20	0.73	0.56	0.13	0.10
2029	1.41	5.95	0.27	0.20	0.05	0.04
Maximum Emissions ² :	2.39	16.20	0.73	0.56	0.13	0.10
SMAQMD Thresholds ³ :	None	85	0/80	0/82	0/14.6	0/15
Exceeds Thresholds?	NO	NO	YES/NO	YES/NO	YES/NO	YES/NO

¹ Emissions were quantified using the CalEEMod, v2022.1.1.2, computer program. Includes onsite and offsite sources. Does not include reductions in fugitive dust associated with compliance with SMAQMD's BMP. Totals may not sum due to rounding.
² Maximum daily emissions assumes some activities could potentially occur simultaneously on any given day.
³ SMAQMD has established a zero emissions threshold for PM10 and PM2.5 when projects do not implement SMAQMD-recommended BMPs.
Lbs/day = pounds per day; ton/year = tons per year; NO_x = oxides of nitrogen; PM₁₀ = respirable particulate matter (10 micrometers or less); PM_{2.5} = respirable particulate matter (2.5 micrometers or less)
Source: ESA 2024

Table 3.3-3. Phase 1 Operational Emissions Summary

Operational Source Emission	Emissions ¹ ROG (lbs/day)	Emissions ¹ NO _x (lbs/day)	Emissions ¹ PM ₁₀ (lbs/day)	Emissions ¹ PM2.5 (lbs/day)
Mobile	1.37	1.38	2.39	0.62
Area	1.48	0.01	< 0.005	< 0.005
Energy	0.00	0.00	0.00	0.00
Stationary	0.45	1.26	0.07	0.07
Average Daily Maximum Emissions ² :	3.30	2.65	2.46	0.69
SMAQMD Thresholds ³ :	65	65	0/80	0/82
Exceeds Thresholds?	NO	NO	YES/NO	YES/NO

¹ Emissions were quantified using the CalEEMod, v2022.1.1.2, computer program. Includes onsite and offsite sources. Does not include reductions in fugitive dust associated with compliance with SMAQMD's BMP. Totals may not sum due to rounding.
² Maximum daily emissions assumes some activities could potentially occur simultaneously on any given day.
³ SMAQMD has established a zero emissions threshold for PM10 and PM2.5 when projects do not implement SMAQMD-recommended BMPs.
Lbs/day = pounds per day; ton/year = tons per year; NO_x = oxides of nitrogen; PM₁₀ = respirable particulate matter (10 micrometers or less); PM_{2.5} = respirable particulate matter (2.5 micrometers or less)
Source: ESA 2024

Table 3.3-4. Phase 2 Operational Emissions Summary

Operational Source Emission	Emissions ¹ ROG (lbs/day)	Emissions ¹ NO _x (lbs/day)	Emissions ¹ PM ₁₀ (lbs/day)	Emissions ¹ PM2.5 (lbs/day)
Mobile	0.66	0.63	1.27	0.33
Area	0.75	0.01	< 0.005	< 0.005
Energy	0.00	0.00	0.00	0.00
Average Daily Maximum Emissions ² :	1.42	0.88	1.29	0.35
Full Buildout of Combined Phase 1 and 2 Emissions	4.71	3.29	3.73	1.02
SMAQMD Thresholds ³ :	65	65	0/80	0/82
Exceeds Thresholds?	NO	NO	YES/NO	YES/NO

¹ Emissions were quantified using the CalEEMod, v2022.1.1.2, computer program. Includes onsite and offsite sources. Does not include reductions in fugitive dust associated with compliance with SMAQMD's BMP. Totals may not sum due to rounding.
² Maximum daily emissions assumes some activities could potentially occur simultaneously on any given day.
³ SMAQMD has established a zero emissions threshold for PM10 and PM2.5 when projects do not implement SMAQMD-recommended BMPs.
Lbs/day = pounds per day; ton/year = tons per year; NO_x = oxides of nitrogen; PM₁₀ = respirable particulate matter (10 micrometers or less); PM_{2.5} = respirable particulate matter (2.5 micrometers or less)
Source: ESA 2024

As shown in Table 3.3-3 and 3.3-4, the Project would result in criteria pollutant emissions during Project operation that would be well below the significance thresholds for both phases and combined. Therefore, the Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment status under an applicable federal or state ambient air quality standard during operation, and this impact would be less than significant.

The Project's projected maximum construction and operational emissions do not exceed SMAQMD's daily or annual construction emission standards. However, SMAQMD predicates the particulate matter standard on adherence to their *Basic Construction Emission Control Practices and Best Management Practices*. Without the application of the SMAQMD's BMPs, this impact would be potentially significant. Mitigation Measure 3.3-1 would require that the Project implement the SMAQMD's BMPs.

Mitigation Measure 3.3-1. Implement SMAQMD Emissions Controls and BMPs.

SMUD or the authorized contractor will adhere to the SMAQMD basic construction emissions control practices, including, but not limited to the measures listed below, and additional measures designed to limit diesel particulate matter:

- *Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads;*
- *Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered;*
- *Use wet power vacuum street sweepers to remove any visible track-out mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited;*
- *Limit vehicle speeds on unpaved roads to 15 miles per hour (mph);*
- *All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used;*
- *Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [California Code of Regulations, Title 13, sections 2449(d)(3) and 2485]. Provide clear signage that posts this requirement for workers at the entrances to the site;**

* This BMP for idling specifically applies to diesel-powered equipment. Non-diesel vehicles are not required to limit idling time.

- *Provide current certificate(s) of compliance for CARB's In-Use Off-Road Diesel-Fueled Fleets Regulation [California Code of Regulations, Title 13, sections 2449 and 2449.1];† and*
- *Maintain all construction equipment in proper working condition according to manufacturer's specifications. The equipment must be checked by a certified mechanic and determined to be running in proper condition before it is operated.*

Significance After Mitigation

SMAQMD has established a zero emissions threshold for PM₁₀ and PM_{2.5} when projects do not implement SMAQMD-recommended BMPs. Maximum emissions without mitigation fall below the threshold applicable to projects that implement SMAQMD-recommended BMPs. Mitigation measure 3.3-1 mandates construction activities adhere to SMAQMD's Basic Construction Emission Control Practices. Therefore, construction-generated and operational-generated emissions would be considered to have a less than significant impact.

c) **Expose sensitive receptors to substantial pollutant concentrations?**

Less than significant with mitigation incorporated. Localized air quality impacts associated with the Project would be predominantly associated with short-term construction activities. Pollutants associated with earth moving and general constructing activities include fugitive dust and TACs. There are no sensitive receptors located within 1,000 feet of the Project boundary site.

Fugitive Dust

Fugitive dust emissions would be associated with site preparation activities including grading and vehicle travel on unpaved and paved surfaces. Uncontrolled emissions of fugitive dust may also contribute to potential increases in nuisance impacts to nearby receptors. Construction generated fugitive dust, generally associated with PM₁₀, would be limited by implementation of SMAQMD construction BMPs.

TACs

Typically, emissions of PM₁₀ exhaust are used as a surrogate for DPM emissions in health risk calculations. As shown in Tables 3-1, 3-2, 3-3, and 3-4 above, total PM₁₀ emissions from both construction and operation would be well below the SMAQMD significance thresholds for criteria pollutant assessment. The Project would not involve emissions at levels consistent with intensive or long-lasting construction activities nor expose threshold amounts during operation of the facility.

These localized, short-term emissions would be reduced with the implementation of Mitigation Measure 3.3-1, which requires adherence to all applicable SMAQMD construction emissions control practices.

[†] This BMP specifically applies to diesel-powered equipment.

Mitigation Measure 3.3-1. Implement SMAQMD Emissions Controls and BMPs. (described above)**Significance After Mitigation**

Mitigation Measure 3.3-1 would require compliance with SMAQMD's BMP's for the control of construction related emissions, including fugitive dust and DPM. The potential impact on air quality would be reduced to a less than significant level.

- d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less than significant. The Project may create temporary construction odors from combustion of diesel fuel in equipment engines, but the impact would not be considered significant as these temporary odors would disperse rapidly and are rarely observed beyond Project site boundaries. In addition, pavement coatings and architectural coatings used during Project construction would also emit temporary odors. However, construction-generated emissions would occur intermittently throughout the workday and would dissipate rapidly with increasing distance from the source. The Project anticipates the use of two back-up diesel generators for the use of emergency operations. The use of generators are limited to 100 hours per year, which will create temporary operational odors from combustion of diesel fuel in the equipment's engine. Therefore, the Project would result in a less-than-significant impact related to the generation of odors.

3.4 Biological Resources

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
IV. Biological Resources.				
Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.4.1 Environmental Setting

This section describes biological resources in the Project site and evaluates potential impacts to such resources that may occur as a result of Project implementation. To determine the biological resources that may be subject to Project impacts, the following data sources were reviewed:

- U.S. Department of Agriculture National Resource Conservation Service Web Soil Survey
- CDFW's California Natural Diversity Database (CNDDDB)
- California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Plants;
- U.S. Fish and Wildlife Service (USFWS) Information, Planning, and Consultation System; and
- USFWS National Wetlands Inventory

A field assessment was conducted of the Project site on February 15, 2024. The biological study area for the field assessment includes the Project site as well as a 500-foot buffer. Habitat types were documented, and plant and wildlife species were recorded. Habitats that were determined to be potential habitat for special status species were further assessed for suitability. **Appendix B** provides lists of special status species and an evaluation of their potential to occur within the biological study area that encompasses the Project site.

Vegetation and Habitat Types

Vegetation and habitat types within and surrounding vicinity of the Project site include riverine (4.19 acres), riparian (8.77 acres), disturbed (5.73 acres), and urban developed (30.05), as shown in **Figure 4**.

Riverine

The riverine habitat is comprised of 4.19 acres of Lake Natoma which runs near the Project site. Outside of the developed areas of study area, the largest habitat consists of Riparian Deciduous Woodland habitat comprised of large, interior live oaks and valley oaks (*Quercus lobata*), gray pines, and willows (*Salix* spp.). Many birds were observed or their calls were heard in the riparian habitat in the western portion of the study area including California scrub-jay, American pipit (*Anthus rubescens*), House finch, Nuttall's woodpecker (*Dryobates nuttallii*), Northern flicker (*Colaptes auratus*), song sparrow, oak titmouse (*Baeolophus inornatus*), Bewick's wren (*Thryomanes bewickii*), and ruby-crowned kinglet (*Corthylio calendula*).

Disturbed

The Project site is almost entirely comprised of disturbed habitat areas, as approximately 5.73 acres of exposed rocky soil, within the Project site, has been graded and leveled. Vegetation is sparse and is primarily concentrated in the western portion of the Project site. The only wildlife species found onsite

were killdeer, which tend to use open, flat, and rocky terrain that lacks vegetation to nest. Some rock and dirt piles in the northwest corner of the parcel included some burrows that may be utilized by other wildlife, such as burrowing owls (*Athene cunicularia*). However, these burrows appeared unused, and were filled with leaves and cobwebs.

Urban Developed

A majority of the study area is an urban developed landscape. The City of Folsom is highly developed with residential houses and offices. Most plant species in this area are ornamental and do not provide habitat for wildlife. A maintained trail that transects the riparian habitat is included in the urban developed area.

Aquatic Resources

No aquatic resources were observed within the Project site. A formal U.S. Army Corps of Engineers protocol-level wetland delineation was not conducted within the Project site, but no signatures of wetlands were present. The site is relatively flat with only one distinct depression. No water was ponded or collected in the depression during the survey, which occurred immediately after a rain event. The vegetation associated with the depression consists of upland trees and shrubs and the rocky substrate appears to be well drained. Lake Natoma is the only aquatic resources observed within the BSA. A search of USFWS' National Wetland Inventory did not reveal any other wetlands in the BSA.

Special-Status Species

Special-status species are plants and animals that are legally protected under the federal Endangered Species Act (ESA), California Endangered Species Act (CESA), California Fish and Game Code, or local plans, policies, and regulations or that are otherwise considered sensitive by federal, state, or local resource conservation agencies. For this IS/MND, special-status species are defined as:

- species listed or proposed for listing as threatened or endangered under the ESA;
- species designated as candidates for listing as threatened or endangered under the ESA;
- species listed, proposed for listing, or candidates for listing as threatened or endangered under CESA;
- species listed as fully protected under the California Fish and Game Code;
- animals identified by the California Department of Fish and Wildlife (CDFW) as species of special concern (SSC);
- plants considered by CDFW to be “rare, threatened or endangered in California” and assigned California Rare Plant Ranks of 1A, presumed extinct in California; 1B, considered rare or

endangered in California and elsewhere; 2A, presumed extinct in California but more common elsewhere; and 2B, considered rare or endangered in California but more common elsewhere;

- species considered a locally significant species—that is, species that are not rare from a statewide perspective but are rare or uncommon in a local context, such as in a county or region (CEQA Section 15125[c]), or that are so designated in local or regional plans, policies, or ordinances (State CEQA Guidelines Appendix G); and
- taxa (i.e., taxonomic categories or groups) that meet the criteria for listing even if they are not currently included on any list, as described in CCR Section 15380 of the State CEQA Guidelines.

Based on a review of existing data sources, four special-status plant species and 11 special-status wildlife species have potential to occur in the Project area (Appendix B). Species ranges and habitat requirements were further evaluated to determine potential for occurrence on the Project site.

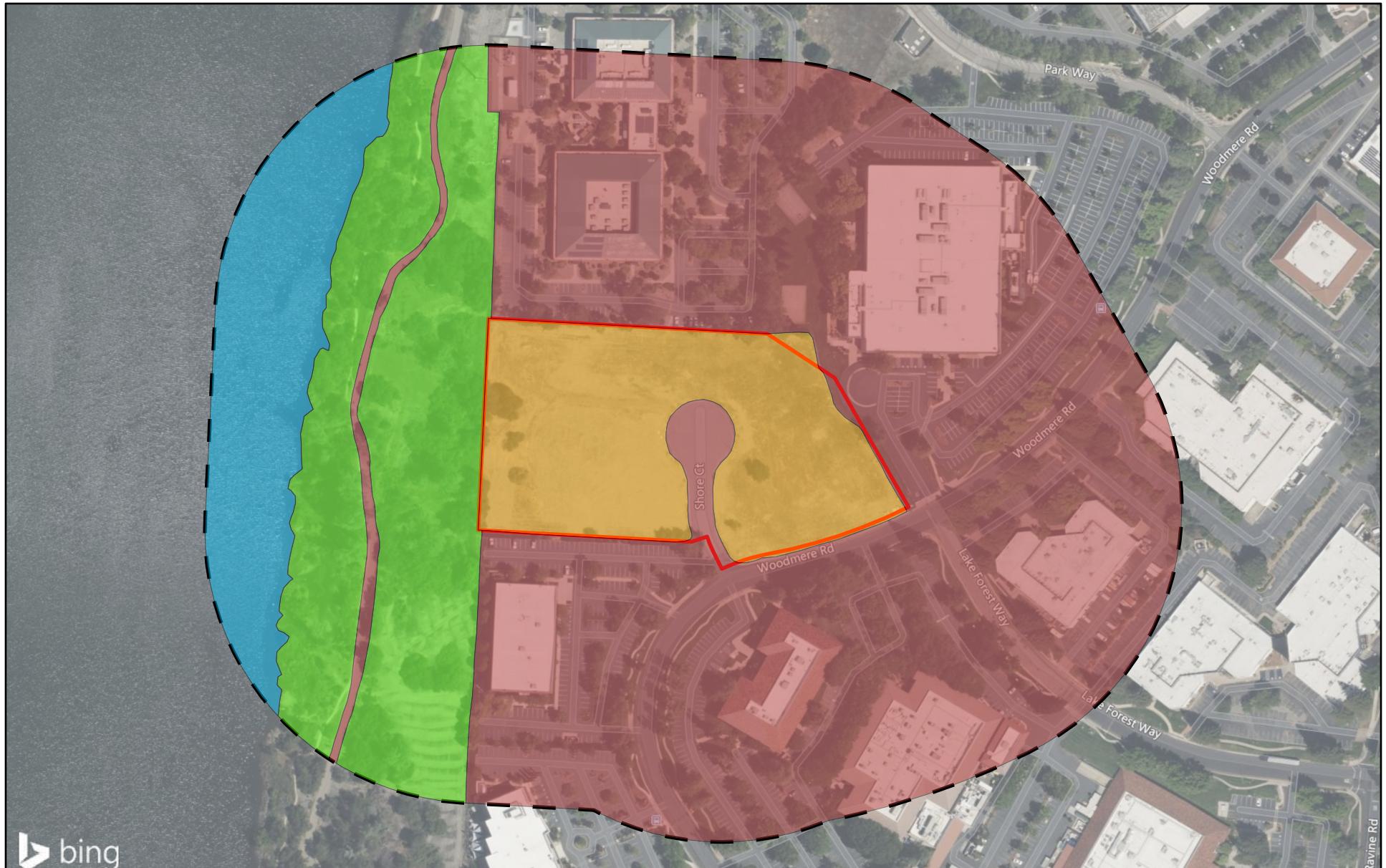
Special Status Plants

All four special-status plant species were determined to have no potential for occurrence within the Project site. Pincushion navarretia (*Navarretia myersii*), Sacramento Orcutt grass (*Orcuttia viscida*), and Boggs Lake hedge hyssop (*Gratiola heterosepala*) rely on vernal pools and lake margins to grow and reproduce. Similarly, Sanford's arrowhead (*Sagittaria sanfordii*) grows in marshes and swamps. The American River would be too large and swift to support these species.

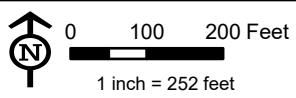
Special Status Wildlife

Out of the 11 special-status wildlife species documented as occurring within the regional study area, four species are considered to have low or moderate potential to occur within the Project study area:

- Northwestern pond turtle (Federal candidate threatened) (Moderate);
- Monarch butterfly – California Overwintering Population (Federal candidate) (Low);
- Valley elderberry longhorn beetle (Federal threatened) (Low); and
- Swainson's hawk (California threatened) (Low).



Source: Bing Maps Hybrid



- Project Site
- Biological Study Area (500' Buffer from Project Site)
- Disturbed (5.73-acres)

- Riparian (8.77-acres)
- Riverine (4.19-acres)
- Urban Developed (30.05-acres)

Figure 3.4-1
Habitat Components

SMUD
Folsom Office Building Project

Of the species with the potential to occur within the biological study area, only northwestern pond turtle was determined to have a moderate potential for occurrence within the Project site. Northwestern pond turtle requires slow moving ponded water and upland refugia for nesting. Backwaters associated with the Lake Natoma portion of the BSA provide habitat for this species. Riparian habitat and upland areas within the BSA provide moderate nesting habitat. The upland habitat available for nesting is narrow and surrounded by development. The Project site is not likely to support this species as the perimeter fencing would exclude it from entering.

Wildlife Movement

The riparian area adjacent to the Project site within the BSA is a corridor for animals moving along the river. Migrating species such as birds and Monarch butterfly have the potential to pass through the area.

Nesting Birds

Few trees are within the Project site itself, which limits the opportunities for birds to nest. However, the extensive gravels within the Project site provide ideal habitat for nesting Killdeer.

The abundance of trees in the riparian habitat within the riparian portion of the BSA provide good habitat for migrating and nesting birds. Due to a high presence of large oaks and willows, there is a moderate to high chance that some birds may nest in the riparian area in the BSA.

3.4.2 Discussion

- a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

Less than Significant with Mitigation Incorporated. No impacts to special-status species or habitat are expected to result from implementation of the Project. The Project site has already been disturbed and provides little to no habitat for wildlife with the exception of ground-nesting rodents, killdeer, and songbirds. Raptors may utilize the open area within the Project site for hunting lizards and small rodents, but no trees within the Project site are tall enough to support nesting by raptors.

There are three (3) species with low potential to occur within the Project site, including monarch butterfly, valley elderberry longhorn beetle, and Swainson's hawk and one species, northwestern pond turtle with moderate potential to occur within the study area. The Project could have a potentially significant impact to these special-status species, and mitigation is required.

Mitigation Measure 3.4-1: Impacts to Special-Status Species, Sensitive Habitats, and Aquatic Resources:

The following actions shall be undertaken to reduce impacts to special-status species:

1. A Storm Water Pollution Prevention Plan (SWPPP) shall be developed prior to the ground disturbing activities. The SWPPP shall identify specific best management practices

(BMPs) which shall be implemented during construction to prevent discharges of sediment, oil, turbid water, and/or other potential toxic or hazardous substances to surface waters. The BMPs shall be installed and maintained so that they demonstrate effectiveness.

2. All areas of earth disturbance remaining after project implementation shall be stabilized and revegetated with a native seed mix.
3. Avoided trees shall be protected during construction activities. Specifically, work shall not be conducted within dripline of native oak trees to prevent vehicles from damaging the roots.
4. Removal of any native oak trees shall adhere to the replacement ratios required by the Sacramento County Tree Ordinance.
5. All work equipment shall be washed at an offsite location.
6. All fueling and maintenance of vehicles and equipment shall occur a minimum of 100 feet from aquatic resources and away from the dripline of native oak trees.
7. All vehicles and equipment shall be inspected for leaks prior to use.
8. Prior to construction, but not more than 14 days before grading, demolition or site preparation activities, a qualified biologist shall conduct a pre-construction survey to determine the presence of western pond turtles on or adjacent to the Project site. A temporary non-climbable fencing (or other solid fencing/barrier) shall be installed along the Project boundary adjacent to Lake Natoma as to exclude turtles from the active construction zone. If turtles are found within the construction zone, they shall be moved out of harm's way to appropriate areas by a qualified biologist as approved by CDFW and/or USFWS.
9. No elderberry shrubs (potential habitat for VELB) were observed within the Biological Study Area during the survey conducted on February 15, 2024. If more than two years have passed since the site visit, additional surveys for the elderberry shrubs shall be conducted by a qualified biologist prior to the start of work. If present, the USFWS shall be consulted to determine appropriate avoidance, minimization, and mitigation measures.
10. Pre-construction surveys shall be conducted by a qualified biologist during the appropriate bloom time to determine if milkweed (host plant for the monarch butterfly) is present. If present, CDFW shall be consulted to determine appropriate avoidance, minimization, and mitigation measures.
11. To avoid impacts to common and special-status migratory birds pursuant to the Migratory Bird Treaty Act and CDFW Codes, a nesting survey shall be conducted prior to construction activities if the work is scheduled between February 1 and August 31. The pre-construction nesting bird surveys will identify on-site bird species. If no nesting birds are found in or within 500 feet of the Project alignment during the pre-construction clearance surveys, construction activities may proceed as scheduled.

If pre-nesting behavior is observed, but an active nest has not yet been established (e.g., courtship displays, but no eggs in a constructed nest), a nesting bird deterrence and

removal program will be implemented. Such deterrence methods include removal of previous year's nesting materials and removal of partially completed nests in progress. Once a nest is situated and identified with eggs or young, it is considered to be "active" and the nest cannot be removed until the young have fledged.

If an active nest is found in or within 500 feet of the Project alignment during construction, a "No Construction" buffer zone will be established around the active nest (usually a minimum radius of 50 feet for passerine birds and 500 feet for raptors) to minimize the potential for disturbance of the nesting activity. The Project biologist/biological monitor will determine and flag the appropriate buffer size required, based on the species, specific situation, tolerances of the species, and the nest location. Project activities will resume in the buffer area when the Project biologist/biological monitor has determined that the nest(s) is (are) no longer active or the biologist has determined that with implementation of an appropriate buffer, work activities would not disturb the birds nesting behavior.

If special-status bird species are found nesting in or within 500 feet of the Project site, SMUD's Environmental Services shall notify CDFW or USFWS, as appropriate, within 24 hours of first nesting observation shall be consulted to determine appropriate avoidance, minimization, and mitigation measures.

Significance after Mitigation

With implementation of Mitigation Measure 3.4-1, the impact to special-status species would be reduced to a less-than-significant level.

- b) **Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?**

No Impact. The Project site does not contain riparian habitat or other sensitive natural communities. Therefore, there would be no impact on riparian habitat or sensitive natural communities.

- c) **Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

No Impact. No aquatic resources were observed within the Project site. A formal U.S. Army Corps of Engineers protocol-level wetland delineation was not conducted within the Project site, but no signatures of wetlands were present. The site is relatively flat with only one distinct depression. Lake Natoma was determined to be the only aquatic resource observed within the study area, and a search of the USFWS National Wetland Inventory did not reveal any other wetlands within the study area. Therefore, the Project would have no substantial adverse effect on state or federally protected wetlands, and there would be no impact.

- d) **Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?**

Less than Significant. The riparian area adjacent to the Project site within the study area is a corridor for animals moving along the river. Migrating species such as birds and Monarch butterflies have the potential to pass through the area. However, implementation of the Project would not have a direct impact on the movement of wildlife. While construction noise may temporarily deter movement through the riparian area adjacent to the American River, construction would be limited to daylight hours and wildlife would not be disturbed during the times they typically travel such as dawn, dusk, and night. Therefore, impacts would be less than significant, and no mitigation is required.

- e) **Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?**

No Impact. The Project does not conflict with local policies or ordinances protecting biological resources.

Specifically, the Project would be constructed in consistency with the requirements of the River District Master Plan which is currently being developed. The Project would also be consistent with the goals and policies outlined in the Folsom 2035 General Plan. For example, the Project would not conflict with Policies NCR 1.1.1: Habitat Preservation, NCR 1.1.2: Preserve Natural Resources, as well as NCR 1.1.8: Planting in New Development.

The Project has been designed to avoid sensitive habitats to the extent feasible. The Project could require the removal of a few interior, live oak trees that are currently within the Project site. However, pursuant to subsection 12.16.050(C)(11) of the Folsom Municipal Code, SMUD is exempt from the requirements of City's Tree Preservation Ordinance, as a public utility performing tree removal activities to maintain a safe operation of SMUD facilities. The Project would result in ***no impact*** due to a conflict with local policies or ordinances protecting biological resources.

- f) **Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?**

No Impact. The Project site is not located within the plan area of an adopted habitat conservation plan, natural community conservation plan or other applicable and approved habitat conservation plan. As a result, it would not conflict with the provisions of any such plan. Therefore, the Project would result in no impact, and no mitigation is required.

3.5 Cultural Resources

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
V. Cultural Resources.				
Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

This discussion of the environmental setting and project impacts of the Project to cultural resources is based on the Cultural Resources Assessment prepared by the Bargas Environmental Consulting, included as **Appendix C**. The Cultural Resources Assessment also references a prior site evaluation conducted by AECOM, on behalf of SMUD.

3.5.1 Environmental Setting

In May 2023, AECOM contacted the North Central Information Center (NCIC) of the California Historical Resources Information System (CHRIS) located at California State University, Sacramento with a request for a records search. The purpose of this review was to determine whether any portion of the Project site has been surveyed for cultural resources and whether known archaeological or historic-era resources are documented in the immediate area. The NCIC provided the results of a record search dated June 2, 2023 and identified six (6) previously recorded resources within a quarter-mile radius of the Project site. Of these, two (2) resources were identified within and immediately adjacent to the Project site.

P-34-000206, is a pre-contact milling feature that was originally mapped on the western boundary of the Project site. However, documentation provides a location within the American River Canyon, which is now inundated by Lake Natoma.

P-34-000335 (CA-SAC-308H), is the historic-era Folsom Mining District, which represents the extensive placer mining activities that occurred in the area and includes thousands of linear feet of dredge tailings and other mining features covering thousands of acres in and around Folsom. Components of this district (P-34-002276 Loci C-1) are adjacent to the western edge of the Project site. The district has been

determined eligible for listing in the National Register of Historic Places (National Register) and is therefore considered a historical resource for CEQA purposes.

The Built Environment Resource Directory (BERD) was reviewed to identify any built environment resources within or in the vicinity of the Project site. Historic maps as well as historic aerial photographs were also reviewed to determine the extent of past land use within the Project site. No built environment resources were identified within 0.25-mile of the Project site.

Data on known cultural resources, literature on ethnographic villages, proximity to fresh water, and geologic sediment types were reviewed to assess the buried site sensitivity of the Project site. Soils within the Project site are comprised of non-marine sedimentary rock from the Pleistocene/Holocene Period. These older sediments, which predate pre-contact occupation of California, have a low potential for buried archaeological deposits. When considered with the paucity of pre-contact sites within 0.25 miles, lack of recorded ethnographic village sites, and the older age of the geologic sediments, the Project site has a relatively low potential for buried archaeological materials.

A qualified archaeologist conducted a pedestrian survey of the Project site on February 15, 2024. The survey consisted of north-to-south 15-meter transects across the Project site. Visible inspections of the ground surface were conducted to identify pre-contact and historic-period cultural material. Periodic boot scrapes were employed to increase ground surface visibility. No pre-contact material was identified during the pedestrian survey.

One historic-era resource was identified during the survey. This resource is an update to P-34-002276, a component of the Folsom Mining District. Within the Project site the updated resource consists of a small tailings pile and associated depression. The tailings pile measures 8 to 10 feet in diameter by 3 to 4 feet tall. The depression is roughly 25 feet southeast of the tailings pile and is roughly 20 feet in diameter and 6-feet-deep at the center. Cobbles are present along the base and edge of the depression. No diagnostic artifacts or other features consistent with historic-era placer mining were identified. Aerial photography shows that the entire lot was cleared in the 1980s, when Shore Court and the surrounding industrial/office buildings were constructed. The closest recorded component of the Folsom Mining District is P-34-002276 Loci C-1, which is just west and adjacent to the western border of the Project site.

3.5.2 Discussion

- a) **Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?**

No Impact. The cultural resources assessment identified one resource, an update to P-34-002276, within the Project site. This resource is a contributing element to P-34-000335, the Folsom Mining District, which has been determined eligible for listing in the National Register and is therefore considered a historical resource for CEQA purposes. However, based on the documented cultural constituents associated with the update to P-34-002276, destruction of this resource in the Project site would not cause a substantial adverse change in the overall significance to the Folsom Mining District. The Project would not materially alter in an adverse manner the overall physical characteristics of the Folsom Mining

District that account for its inclusion in the National Register or its identification as a historical resource. Therefore, based on this assessment, there would be no impacts to historical resources from implementation of the Project and no mitigation is required.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Less than Significant with Mitigation Incorporated. No pre-contact archaeological resources were identified within the Project site and the archaeological sensitivity assessment determined a relatively low potential to uncover buried archaeological resources in the Project site. While unlikely, there remains the possibility that archaeological resources could be found during ground disturbing activities associated with construction of the Project. Potential significant impacts to previously undiscovered archaeological resources would be avoided through implementation of Mitigation Measure 3.5-1.

Mitigation Measure 3.5-1: Worker Environmental Awareness and Cultural Respect Training and Procedures for Inadvertent Discovery of Cultural Resources

Prior to excavation or other subsurface disturbance activities, individuals conducting the work will be required to participate in Worker Environmental Awareness and Cultural Respect Training. Workers will be advised to watch for cultural resource materials. If workers observe any evidence of pre-contact cultural resources (freshwater shells, beads, bone tool remnants or an assortment of bones, soil changes including subsurface ash lens or soil darker "midden" in color than surrounding soil, lithic materials such as flakes, tools or grinding rocks, etc.), or historic cultural resources (adobe foundations or walls, structures and remains with square nails, refuse deposits or bottle dumps, often associated with wells or old privies), all ground-disturbing activity within 100 feet of the discovery must immediately cease and a qualified archaeologist must be consulted to assess the significance of the cultural materials. SMUD will be notified of the potential find and a qualified archaeologist shall be retained to investigate its significance. If the qualified archaeologist determines the archaeological material to be Native American in nature, Mitigation Measure 3.18-1 shall be implemented. If the find is determined to be significant by the archaeologist (i.e., because it is determined to constitute a unique archaeological resource), the archaeologist shall work with SMUD to develop and implement appropriate procedures to protect the integrity of the resource and ensure that no additional resources are affected. Procedures could include but would not necessarily be limited to preservation in place, archival research, subsurface testing, or contiguous block unit excavation and data recovery.

Significance after Mitigation

Implementation of Mitigation Measure 3.5-1 would reduce potential impacts to archaeological resources discovered during Project construction activities to a less-than-significant level.

- c) Disturb any human remains, including those interred outside of formal cemeteries?

Less than Significant with Mitigation Incorporated. There are no known past cemeteries or burials on the Project site or immediate area. While unlikely, because earthmoving activities associated with Project construction would occur, there is potential to encounter buried human remains or unknown cemeteries in areas with little or no previous disturbance. This impact would be potentially significant.

Mitigation Measure 3.5-2: Procedures for Discovery of Human Remains

If human remains are discovered, all work within a 100 feet of the find must immediately cease, and the local coroner must be contacted. Procedures for the discovery of human remains will be followed in accordance with provisions of the State Health and Safety Code, Sections 7052 and 7050.5 and the State Public Resources Code Sections 5097.9 to 5097.99. If the Coroner determines that the remains are those of Native American origin, the Coroner shall contact the Native American Heritage Commission (NAHC) and subsequent procedures shall be followed, according to State Public Resources Code Sections 5097.9 to 5097.99, regarding notification of the Native American Most Likely Descendant. Following the coroner's and NAHC's findings, SMUD and the NAHC-designated Most Likely Descendant shall determine the ultimate treatment and disposition of the remains and take appropriate steps to ensure that additional human interments are not disturbed.

Significance after Mitigation

Implementation of Mitigation Measure 3.5-2 would reduce potential impacts related to human remains to a less-than-significant level.

3.6 Energy

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VI. Energy.				
Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.6.1 Environmental Setting

California's energy system includes electricity, natural gas, and petroleum fuels. According to the California Energy Commission (CEC), in 2022, California's energy system generated 52 percent of the electricity, 48 percent of the natural gas, and less than one percent of the petroleum consumed or used in the state. The rest of the state's energy is imported and includes electricity from the Pacific Northwest and the Southwest; natural gas purchases from Canada, Rocky Mountain states, and the southwest; and petroleum imported from Alaska and foreign sources (CEC, 2022a; 2022b; 2021a). The total amount of energy consumed in Sacramento County in 2022 from residential and non-residential sectors was 11,410 gigawatt-hours (GWh) (CEC, 2024).

SMUD is a community owned electricity utility that serves Sacramento County and adjoining parts of Placer and Yolo County. It provides a combination of mainly solar, wind, and hydroelectric power, with other renewables like biomass and geothermal power, and natural gas power (SMUD, 2022).

Gasoline is by far the largest transportation fuel by volume used in California. Nearly all the gasoline used in California is obtained through the retail market. In 2023, approximately 13.5 billion gallons of gasoline were sold in California's retail market (California Department of Tax and Fee Administration [CDTFA], 2023a). Diesel fuel is the second largest transportation fuel by volume used in California behind gasoline. It is estimated that nearly 51 percent of all diesel sales are retail sales. In 2023, 3 billion gallons of diesel were sold in California (CDTFA, 2023b). According to the U.S. Department of Energy's Energy Information Administration, nearly all semi-trucks, delivery vehicles, buses, trains, ships, boats and barges, farm, construction, and military vehicles and equipment have diesel engines.

Regular unleaded gasoline is used primarily to fuel passenger cars and small trucks. Diesel fuel is used primarily in large trucks and construction equipment. Both fuels are used widely within Sacramento

County. The CEC estimates that 535 million gallons of gasoline and approximately 51 million gallons of diesel were sold in 2022 in Sacramento County (CEC, 2023).

3.6.2 Discussion

- a) **Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?**

Construction Energy Use

Less than Significant. Construction of the Project would result in the consumption of energy in the form of transportation fuels (i.e., diesel and gasoline fuel) from a variety of sources, including off-road construction equipment and on-road workers, vendors, and hauling vehicles. The level of energy consumption would fluctuate depending on the type of construction activities underway during any particular time period. Energy use would be higher during the period of construction involving the initial site clearance, above earth-moving/grading, and building construction, where the largest and most powerful equipment would be required to excavate, lift, and transport large volumes of soil and building materials (such as concrete and asphalt) from the site. Gasoline and diesel fuel would be the primary energy source for vehicles driven by construction crews and to power the large trucks used to deliver and remove construction equipment and materials.

Phase 1

Based on the Project's estimated equipment use and construction duration for Phase 1, the construction of the Project is estimated to result in the consumption of a total of approximately 212,586 gallons of diesel fuel, and a total of approximately 6,194 gallons of gasoline during the construction period. Fuel use during Phase 1 construction would represent 0.42 percent of diesel and less than 0.01 percent of gasoline sold in Sacramento County in 2022. Therefore, fuel use during construction would be minimal in comparison to the overall usage within Sacramento County.

Phase 2

Based on the Project's estimated equipment use and construction duration for Phase 2, the construction of the Project is estimated to result in the consumption of a total of approximately 155,900 gallons of diesel fuel, and a total of approximately 3,449 gallons of gasoline during the construction period. Fuel use during Phase 2 construction would represent 0.31 percent of diesel and 0.001 percent of gasoline sold in Sacramento County in 2022. Therefore, fuel use during construction would be minimal in comparison to the overall usage within Sacramento County.

Operational Energy Use

Less than Significant. Project operations would require long-term consumption of energy in the form of electricity, natural gas, gasoline, and diesel fuel. The electricity, natural gas, and water usage that would be required for operation of the Project have been estimated based on specific building area estimates

and CalEEMod default factors. Mobile source fuel use associated with the operation of the Project was estimated based on vehicle miles travelled (VMT). The VMT data were used to estimate diesel fuel, and gasoline consumption volumes for the Project's buildout conditions based on vehicle fleet-average fuel estimated using the EMFAC2021 emissions inventory model.

The annual energy use requirements estimated for full buildout operations of the Project are summarized in **Table 3.6-1** by energy use type. The energy use presented in **Table 3.6-1** does not discount the existing energy use associated with those land uses, and as such, the reported Project's energy uses estimates are considered conservative.

Table 3.6-1 Summary of Project Operational Energy Consumption (Annual)

Energy Use Type	Energy Consumption: Phase 1 Operations	Energy Consumption: Phase 2 Operations	Full Buildout
Electricity (MWh/year)			
Total Electricity Generation/Use	1,257	610	1,867
Total Water Use	155	76	231
Natural Gas (MMBtu/year)			
Total Natural Gas Use	0	0	0
Diesel (gallons/year)			
Total Diesel Use	176	93	269
Gasoline (gallons/year)			
Total Gasoline Use	42,788	22,678	65,466
NOTES: Project energy consumption for building electricity, and building natural gas were estimated using CalEEMod® 2022.1.1.			
Abbreviations: MMBTU - million British Thermal Units; MWh - megawatt-hour			
SOURCE: ESA 2024.			

The anticipated operational energy consumption for electrical usage is approximately 2,098 MWh/year. This represents less than 0.0001 percent of the total 2022 Sacramento County electricity usage. Based on this comparison, the Project-related electricity consumption would not cause adverse effects on local and regional energy supplies nor require additional generation capacity. Fuels would also be utilized to maintain equipment during operation and would be used in vehicles related to employees' travel. Project operation would generate vehicle trips associated with ongoing operation of the office building. These vehicle trips by SMUD employees would be essential to ensuring that the new office building is safe and functional. The building will not include any natural gas usage. Therefore, the Project would not result in an inefficient, wasteful, or unnecessary consumption of energy resources. This impact would be *less than significant*, and no mitigation is required.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency

Less than Significant. During construction of all the Project components, construction activities would comply with State and local requirements designed to minimize idling and associated emissions, which also minimizes fuel use. Construction equipment used would be subject to CARB's In-Use Off Road Diesel-Fueled Fleets regulation, which applies to certain off-road diesel engines, or equipment greater than 25 hp. The regulation (1) imposes limits on idling, requires a written idling policy, and requires a disclosure when selling vehicles; (2) requires that all vehicles be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled; (3) restricts the addition of older vehicles into fleets after January 1, 2014; and (4) requires that fleets reduce their emissions by retiring, replacing, or repowering older engines or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits).

Construction activities would use fuel-efficient equipment and on-road vehicles consistent with federal and state regulations, such as the fuel efficiency regulations in CARB's Pavley Phase II standards for light-duty vehicles like worker commute and vendor vehicles; the anti-idling regulation in 13 CCR section 2485; and fuel requirements for stationary equipment in 17 CCR section 93115 (concerning the Airborne Toxic Control Measures). In accordance with 13 CCR sections 2485 and 2449, idling by commercial vehicles heavier than 10,000 pounds and off-road equipment greater than 25 hp would be limited to a maximum of five minutes. The intent of these regulations is to reduce construction emissions; however, compliance with the anti-idling and emissions reduction regulations would also result in fuel savings from the more efficient use of equipment.

Sacramento's 2030 General Plan Policy LU 8.1.5 requires new or renovated City-owned buildings to be energy efficient and meet, as appropriate, LEED (Leadership in Energy and Environmental Design) Silver or equivalent standard. The Project would be required to comply with the California Green Building Standards Code (CALGreen) and target LEED™ certification rating of Silver or equivalent standard. Consistent with SMUD's 2030 Zero Carbon Plan, the Project's objectives contribute to SMUD's goals for ensuring electrical service reliability, provide safe and reliable electrical service to existing and proposed developments in the Folsom region, and minimize impacts to nearby sensitive receptors and sensitive natural communities.

All relevant provisions that are designed to conserve and reduce energy consumption would be implemented. Overall, energy use during construction and operation activities associated with the Project would not be considered, nor would any sources or activities conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Therefore, this impact would be less than significant.

3.7 Geology and Soils

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VII. Geology and Soils.				
Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to California Geological Survey Special Publication 42.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.7.1 Environmental Setting

A Geotechnical Engineering Report was prepared for the subject property by Wallace Kuhl & Associates in 2005 (see **Appendix D**). The following discussion is based primarily on this report.

The Project site is at an elevation of approximately 150 feet above mean sea level (msl) and is relatively flat to gently undulating with the exception of the mid-point of the western perimeter of the site. A circular depression approximately three to five feet deep is located on the western central portion of the site and is filled with mature oak trees and brush. Just west of the western perimeter of the site the surface slopes down at a 1:1 slope towards the American River. These site features are shown in **Figure 2-2**.

Surface material across the majority of the site consists of rounded cobbles and gravels. Site soils are a mixture of gravel and cobbles with varying percentages of sand and silt. According to Wallace Kuhl & Associates (2005), several test pits encountered gravel and cobbles with very little fine-grain soils (leveled tailings piles).

Dredging operations were performed at the site in the early to mid-1900's. These operations utilized large floating dredges to mine alluvial deposits for gold. Piles and ridges ("windrows") of gravel and cobbles were formed during the dredging operations and low areas between the piles and ridges were filled with sand, silt, and clay. Sand, silt and clay suspended in the water used to float the dredges gradually settled to the bottom of the ponds. The sand, being heaviest, settled out first and the clay settled last and generally came to rest on top of the sand and silt. The windrows and piles of cobbles are commonly referred to as dredge tailings and the silt and clay are referred to as "slickens" deposits.

The dredge tailings were leveled, and the low areas were filled during grading operations performed in the mid-1980's. Thick growths of trees and vegetation were removed and soils containing predominantly cobbles and boulders from the tailing deposits were placed and compacted in the low areas. The site was graded essentially level by about 1986, with only slight elevation differences.

3.7.2 Discussion

- a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:
 - i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to California Geological Survey Special Publication 42.)

Less than Significant. There are no Alquist-Priolo Earthquake Fault Zones within Sacramento County (DOC 2021). Based on the published geologic maps and aerial photographs reviewed by Wallace Kuhl & Associates (2005), no active or potentially active faults are known to underlie the Project area. Furthermore, Wallace Kuhl & Associates did not observe any surface evidence of faulting during their

site reconnaissance. Therefore, ground rupture at the site resulting from seismic activity is considered unlikely and this impact would be less than significant.

ii) Strong seismic ground shaking?

Less than Significant. The Project site is located in the Sacramento Valley, which has historically experienced a low level of seismic ground shaking. The California Geological Survey has identified the region as an area of low to moderately low earthquake shaking potential (CGS 2016).

Depending on the strength of groundshaking, it is possible that structures in the area could be damaged during such an event. However, the Project would be constructed in a manner consistent with California Building Code (CBC) Title 24, which identifies specific design requirements to reduce damage from strong seismic ground shaking, ground failure, landslides, soil erosion, and expansive soils. Therefore, this impact would be less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less than Significant. Wallace Kuhl & Associates (2005) determined that based on the known geologic, seismologic, groundwater, and soils conditions of the Project site, the potential for liquefaction to occur beneath the site is very low. It was further determined that the potential for ground lurching, differential settlement, or lateral spreading occurring during or after seismic events near the site is also low, provided prudent geotechnical engineering recommendations are following during site preparation.

The Project would comply with CBC Title 24, which includes specific design requirements to reduce damage from ground failure. The Project would also be required to comply with the specific recommendations of the Geotechnical Engineering Report prepared for the Lake Forest Technical Center. Compliance with these requirements and recommendations would reduce this impact to a level that is less than significant.

iv) Landslides?

Less than Significant. The Project site is essentially flat and has been mass graded. The Project is anticipated to require excavation and removal of existing soil and import of backfill to re-establish grade within the site. Excavations would also be needed for building foundations and installation of infrastructure. According to Wallace Kuhl & Associates (2005), the native soils are readily excavatable with conventional methods and are not susceptible to caving or sloughing. However, where fill materials were encountered, caving and sloughing of test pit sidewalls was observed at depths greater than about five feet. As such, the Geotechnical Engineering Report recommends sloping of the sides of the building pad excavation if loose soils are encountered as well as sloping of all excavations deeper than five feet in accordance with OSHA regulations. Compliance with existing OSHA requirements and the recommendations of the Geotechnical Engineering Report prepared for the Lake Forest Technical Center would reduce this impact to a level that is less than significant.

b) Result in substantial soil erosion or the loss of topsoil?

Less than Significant. The Project site has been cleared and graded exposing soils to wind erosion and surface water runoff during storm events. Project construction would involve grading, excavating, trenching, and cut/fill within the Project site. Sediment from construction activities could be transported within stormwater runoff and could drain to Lake Natoma and degrade local water quality.

The Project would be subject to the National Pollutant Discharge Elimination System (NPDES) Statewide Construction General NPDES permit for stormwater runoff (Order No. 2022-0057-DWQ and NPDES No. CAS 000002 [Construction General Permit]) and would be required to implement a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP would include Best Management Practices (BMPs) to be implemented and maintained on the site both during and post-construction to prevent erosion and protect water quality. Additionally, the Project must comply with the City's Grading Ordinance (Folsom Municipal Code 14.29) which requires submittal of an erosion and sediment control plan as part of the improvement plans. The City's stormwater inspector inspects construction projects for compliance with the City's stormwater regulations.

Furthermore, and as noted above, the Project would be constructed in accordance with CBC standards. These standards require that appropriate soil and geotechnical reports be prepared and that site-specific engineering design measures, including those related to general site grading, clearing and grubbing, soil stabilization, and general erosion control, be implemented to appropriately minimize potential adverse impacts related to erosion. This, coupled with preparation of a SWPPP and an Erosion and Sediment Control Plan, would minimize potential adverse impacts related to erosion and loss of topsoil at the Project site, resulting in a less than significant impact related to soil erosion or the loss of topsoil.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less than Significant. As discussed previously, the site's geologic and soils conditions were analyzed as part of the Geotechnical Engineering Report prepared for the Project. Wallace Kuhl & Associates (2005) determined that site soils are adequate for development and that the potential for landslide and ground failure is very low with implementation of the recommended measures. Compliance with the recommended measures would be required as a condition of project approval of City entitlements, which are required for implementation of the Project. Therefore, this impact would be less than significant.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated), creating substantial direct or indirect risks to life or property?

Less than Significant. Expansive soils shrink and swell as a result of moisture change. These volume changes can result in damage over time to building foundations, underground utilities, and other subsurface facilities and infrastructure if they are not designed and constructed appropriately to resist

the damage associated with changing soil conditions. According to Wallace Kuhl & Associates (2005), most of the native soils are essentially granular, and are anticipated to have a low expansion potential. Special reinforcement of foundations and floor slabs, and special moisture conditioning during site grading to resist soil expansion pressures were determined not to be necessary. Therefore, this impact would be less than significant.

- e) **Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?**

No Impact. The Project would be served by the City's sewer system and would not require the use of septic tanks or alternative wastewater disposal systems. Therefore, there would be no impact.

- f) **Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**

Less than Significant. The Project site has been heavily disturbed by past dredging operations and, more recently, mass grading of the site. Therefore, the potential to encounter intact paleontological resources during ground-disturbing activities would be low. Nonetheless, further ground-disturbing activities could result in uncovering currently unknown resources and cause a substantial change in the significance of an undiscovered unique paleontological resource or geologic feature.

To avoid impacts to paleontological resources, the Folsom General Plan provides Implementation Program NCR 8 (Management of Paleontological Resources), which requires the paleontological sensitivity of the geologic units affected by a discretionary project to be determined through literature review and records research. If a project area is determined to be sensitive for paleontological resources, conditions must be added to the project approval to monitor for and salvage paleontological resources during ground-disturbing activities.

According to geologic maps of the Project area (California State Parks 2004), the site overlies mine and dredge tailings originating from Quaternary sediments. Given the disturbed nature of mine and dredge tailings the sensitivity of the site for paleontological resources is considered low. The University of California Museum of Paleontology's (UCMP; 2024) records of paleontological localities show that fossil remains have been found at 13 localities in Sacramento County. Most of these localities are underlain by Mariposa and Riverbank geologic formations which are not found near the Project site. Based on these findings, the Project site is not considered sensitive for paleontological resources and no project conditions are required to avoid impacts. Therefore, this impact would be less than significant.

3.8 Greenhouse Gas Emissions

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VIII. Greenhouse Gas Emissions.				
Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.8.1 Environmental Setting

Greenhouse gases (GHGs) trap heat by preventing some of the solar radiation that hits the earth from being reflected back into space. Some GHGs occur naturally and are needed to keep the earth's surface habitable. Over the past 100 years, human activity has substantially increased the concentration of GHGs in our atmosphere. This has intensified the greenhouse effect, increased average global temperatures, and resulted in climate change.

Carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) are the principal GHGs of concern. CO₂, CH₄, and N₂O occur naturally and through human activity. Emissions of CO₂ are largely by-products of fossil fuel combustion, CH₄ results from off-gassing associated with agricultural practices and landfills, and N₂O is emitted during agricultural, land use, and industrial activities.

CO₂ is the reference gas for climate change because it is the predominant GHG emitted. The effect that each of the gases can have on global warming is a combination of the mass of their emissions and their global warming potential (GWP). GWP indicates, on a pound-for-pound basis, how much a gas contributes to global warming relative to how much warming would be predicted to be caused by the same mass of CO₂. CH₄ and N₂O are substantially more potent GHGs than CO₂, with 100-year GWPs of 25 and 298 times that of CO₂, respectively (IPCC 2007). In emissions inventories, GHG emissions are typically reported in metric tons of CO₂ equivalents (MTCO₂e). CO₂e is calculated as the product of the mass emitted of a given GHG and its specific GWP. While CH₄ and N₂O have much higher GWPs than CO₂, CO₂ is emitted in such vastly greater quantities that it accounts for the majority of GHG emissions in CO₂e.

The state of California is leading the nation in setting goals and regulating GHG reduction. The most notable of these is Assembly Bill (AB) 32 – California Global Warming Solutions Act of 2006 (AB 32),

which requires that ARB adopt a quantified cap on GHG emissions representing 1990 emissions levels, disclose how it arrives at the cap, institute a schedule to meet the emissions cap, and develop tracking, reporting, and enforcement mechanisms to ensure that the state achieves reductions in GHG emissions necessary to meet the cap.

The Legislature enacted AB 1279 on September 16, 2022. AB 1279 establishes the policy of the State to achieve net zero greenhouse gas emissions, carbon neutrality, as soon as possible, but no later than 2045 and achieve and maintain net negative greenhouse gas emissions thereafter. Additionally, AB 1279 ensures that by 2045 Statewide anthropogenic greenhouse gas emissions are reduced at least 85 percent below 1990 levels. SB 1279 also requires the California Air Resources Board (CARB) to ensure that the Scoping Plan identifies and recommends measures to achieve carbon neutrality, and to identify and implement policies and strategies for carbon dioxide removal solutions and carbon capture, utilization, and storage technologies.

The 2022 Scoping Plan, adopted by CARB in December 2022, expands on prior Scoping Plans and responds to AB 1279 by outlining a technologically feasible, cost-effective, and equity-focused path to achieve the state's climate target of reducing anthropogenic emissions to 85 percent below 1990 levels and achieving carbon neutrality by 2045 or earlier (CARB 2022). The 2022 Scoping Plan outlines the strategies the state will implement to achieve carbon neutrality by reducing GHGs to meet the anthropogenic target and by expanding actions to capture and store carbon through the state's natural and working lands and using a variety of mechanical approaches.

Sacramento Metropolitan Air Quality Management District (SMAQMD) is the primary agency responsible for addressing air quality concerns in Sacramento County and has established quantitative significance thresholds for evaluating GHG emissions. The SMAQMD guidance establishes a threshold of 1,100 MTCO₂e per year from construction. For operational emissions, the SMAQMD takes a tiered qualitative approach such that projects that implement applicable Best Management Practices (BMPs) demonstrate consistency with the Climate Change Scoping Plan and would have a less than significant impact (SMAQMD 2020).

3.8.2 Discussion

- a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less than Significant. GHG emissions from construction activities were estimated using the California Emissions Estimator Model (CalEEMod) (version 2022.1.1) with the same assumptions as discussed in Section 3.3, *Air Quality*. **Table 3.8-1** and **Table 3.8-2** present the maximum annual construction GHG emissions for the Project. It is estimated that the maximum annual concentration will be 1,023 MTCO₂e in Phase 1 (year 2026) and 1,061 MTCO₂e in Phase 2 (year 2028). This is less than the SMAQMD threshold of 1,100 MTCO₂e per year; therefore, construction of the Project would not result in a significant impact.

Table 3.8-1. Phase 1 Annual Construction GHG Emissions (MTCO₂e per Year)

Construction Year	Project Construction GHG Emissions	Exceeds Threshold of 1,100 MTCO ₂ e?
2025	433	No
2026	1023	No
2027	784	No

Table 3.8-2. Phase 2 Annual Construction GHG Emissions (MTCO₂e per Year)

Construction Year	Project Construction GHG Emissions	Exceeds Threshold of 1,100 MTCO ₂ e?
2027	159	No
2028	1061	No
2029	409	No

Table 3.8-3 presents the annual GHG emission for the Project. GHG emissions during operations would primarily occur from mobile source emission by employee vehicle trips to the operational office building. GHG emissions would also be generated from the electricity used to treat, pump and deliver water and wastewater generated by the staff, as well as from disposal of solid waste generated. The Project would not utilize natural gas and would therefore not generate direct natural gas GHG emissions from building energy use. It is estimated that the Project's operational activities would result in the generation of approximately 817 MTCO₂e in Phase 1 operations and 393 MTCO₂e in Phase 2 operations, combined for a total of 1,073 MTCO₂e per year once fully operational. Per SMAQMD thresholds, the Project would be required to implement tier 1 BMPs (BMP 1 & 2).

- BMP 1 - projects shall be designed and constructed without natural gas infrastructure.
- BMP 2 - projects shall meet the current CalGreen Tier 2 standards, except all electric vehicle capable spaces shall instead be electric vehicle ready.

Table 3.8-3. Annual Operational GHG Emissions (MTCO₂e per Year)

Source	Phase 1 Operation	Phase 2 Operation	Full Operation MT CO ₂ e per year
Mobile	450	228	678
Area	1.05	0.54	1.59
Energy	214	104	318
Water	9.76	5.06	14.82
Waste	14.5	7.69	22.19
Refrigerant	0.02	0.01	0.03
Stationary	38.2	-	38.2
Total Project Emissions	817	392	1,073
SMAQMD Threshold	1,100	1,100	1,100
Significant?	No	No	No

NOTES:
The GHG total emissions may not add up due to rounding.

SOURCE: ESA 2024

Based on the above, the construction and operational GHG emissions in all years and phases of the Project would not exceed the applicable thresholds of significance, resulting in a less than significant impact.

- b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than Significant. The applicable plans adopted for the purpose of reducing GHG emissions is CARB's 2022 Scoping Plan Update (2022 Update). The 2022 Update does not contain any actions or measures that address GHG emissions from construction, as the majority of typical land use development project GHG emissions come from the operational phase and therefore most plans target reducing operational GHG emissions. Any electrical power required during construction will be supplied from Sacramento Municipal Utility District (SMUD), which is required to comply with SB 100 and the Renewable Portfolio Standards (RPS). SB 100 requires that the proportion of electricity from renewable sources be 60 percent by 2030 and 100 percent renewable power by 2045. The goals in the SMUD Zero Carbon Plan align with SB 100 energy requirements.



Additionally, the Project would be required to implement the SMAQMD's identified Basic Construction Emissions Control Practices (BCECPs), which are considered by the SMAQMD to be the applicable construction BMPs. The Project would be required to implement the SMAQMD's tier 1 BMPs (BMP 1 & 2), as described in the section above, which are considered as the required operational BMPs.

The Project would be consistent with 2022 Update, SMAQMD BMPs, and would not obstruct the goals in the SMUD 2030 Zero Carbon Plan. As a result, the Project would not conflict with any applicable GHG reduction plans and impacts would be less than significant.

3.9 Hazards and Hazardous Materials

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
IX. Hazards and Hazardous Materials.				
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and/or accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.9.1 Environmental Setting

A Phase I Environmental Site Assessment (Phase I ESA) was prepared for the Project on August 17, 2023, to assess the existing environmental conditions of the Project site with respect to hazardous conditions

and substances (Brown and Caldwell, 2023; see **Appendix E**). According to the Phase I ESA, there are no permanent structures on the site and no hazardous materials or visual signs of contamination were noted during the site inspection. Brown and Caldwell (2023) did not identify any Recognized Environmental Conditions (RECs)³ and concluded that no further investigation of the site is warranted.

3.9.2 Discussion

- a) **Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?**
- b) **Create a significant hazard to the public or the environment through reasonably foreseeable upset and/or accident conditions involving the release of hazardous materials into the environment?**

Less than Significant. Construction activities would involve the temporary use of hazardous materials, such as fuels, solvents, lubricants, asphalt, and oil on the Project site. The use and storage of these materials could potentially expose and adversely affect workers, the public, or the environment as a result of improper handling or use, accident, environmentally unsound disposal methods, fire, explosion, flooding, wildfire or other emergencies, resulting in adverse health or environmental effects.

The California Highway Patrol and Caltrans are responsible for enforcing regulations related to the transportation of hazardous materials on local roadways, and the use of these materials is regulated by the California Department of Toxic Substances Control (DTSC), as outlined in CCR Title 22. SMUD and its construction contractors would be required to comply with the California Environmental Protection Agency's (Cal EPA's) Unified Program, which protects Californians from hazardous waste and hazardous materials by ensuring consistency throughout the state regarding the implementation of administrative requirements, permits, inspections, and enforcement at the local regulatory level. Regulated activities would be managed in accordance with the regulations included in the Unified Program by the Sacramento County Environmental Management Department, which is the designated Certified Unified Program Agency (CUPA) for Sacramento County and its incorporated cities, including Folsom. These regulations include, but are not limited to, hazardous materials release response plans and inventories and California Uniform Fire Code hazardous materials management plans and inventories. Compliance with these existing regulations under the authority of the Sacramento County Environmental Management Department would reduce the potential for accidental release of hazardous materials during project construction.

During operation, the Project would require the storage of diesel fuel to power the proposed onsite backup generators. It is anticipated that fuel storage for the generators would total approximately 1,300 gallons within two 650-gallon storage tanks. Sacramento County requires businesses handling or storing

³ Recognized Environmental Conditions (RECs) as defined in ASTM 1527-13 means the presence or likely presence of any hazardous substances or petroleum products on a property that indicates an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products, both unauthorized and permitted, into the ground, groundwater, or surface water of the property

hazardous substances in volumes greater than 55 gallons to prepare a Hazardous Materials Business Plan (HMBP) including an emergency response plan and obtain a permit. The Sacramento County Environmental Management Department would provide oversight including inspections and hazardous materials incident response to ensure public safety. Project operation would also involve the routine use of common hazardous substances used for cleaning, building maintenance, landscaping, and vehicle use. These materials, if present, would be in small quantities and would be used, stored, and disposed of in accordance with product labeling and applicable regulations. Compliance with these existing regulations would ensure that this impact would be less than significant.

- c) **Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**

No Impact. The Project site is within an existing business park. There are no schools or similar uses within one-quarter mile. Furthermore, the Project would not involve any activities that would emit hazardous emissions or handle hazardous or acutely hazardous materials. Therefore, there would be no impact.

- d) **Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code §65962.5 and, as a result, would it create a significant hazard to the public or the environment?**

Less than Significant. Government Code Section 65962.5 requires that DTSC compile and maintain a list of hazardous waste facilities subject to corrective action, land designated as hazardous waste property, or hazardous waste disposals on public land. This list is known as the Cortese List and can be accessed on Cal EPA's website. As part of the Phase I ESA completed for the Project site, a search of federal and State databases containing known and suspected sites of environmental contamination was completed by Environmental Data Resources, Inc. (EDR). No such sites were identified on or adjacent to the Project site. The EDR search did reveal multiple sites within the radius search required by the American Society for Testing and Materials (ASTM) standard practice (see Appendix E for a complete list). Due to distance from the Project site, current cleanup status, or the nature of the contamination, Brown and Caldwell (2023) Bole & Associates (2019) determined that none of these sites are considered RECs and would not affect development of the Project site as proposed.

In addition, the Phase I ESA found no record of previous site uses which may have involved hazardous substances and no signs of potential contamination on the site such as the presence of storage tanks or containers, old buildings, pits, ponds, or lagoons, solid waste dumping, stained soils, or stressed vegetation. Based on their findings, Brown and Caldwell (2023) Bole & Associates (2019) concluded that no further investigations are warranted. Therefore, this impact would be less than significant.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. Airports closest to the Project site include Sacramento Mather Airport (8.5 miles southwest); Cameron Airpark (11 miles east); and Sacramento McClellan Airport (11 miles west). The Project site is not within an airport land use plan or within two miles of a public airport or public use airport, or within the vicinity of a private air strip. Therefore, implementation of the Project as proposed would not result in an aviation-related safety hazard for people residing or working in the Project area. Therefore, there would be no impact.

- f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant. Project construction may temporarily generate truck trips on Folsom Boulevard and require temporary lane closures on Woodmere Road/Blue Ravine Road as materials and equipment are transported to the site. These traffic obstructions could interfere with or slow emergency vehicles, temporarily increasing response times and impeding existing services on these roadways. However, any Project activities that may involve public right of way would be required to obtain an encroachment permit from either Caltrans or the City of Folsom. As part of this encroachment permit application, SMUD would be required to prepare and submit a traffic control plan providing measures to ensure maintenance of emergency access during construction (City of Folsom 2023). Project operations would be similar to the adjacent office uses and would not interfere with emergency response or evacuation plans. Therefore, this impact would be less than significant.

- g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

Less than Significant Impact. The Project is in an urban area generally surrounded by existing development and separated from open space areas by Lake Natoma on the west and US 50 on the south. The trail corridor just west of the site as well as the Willow Creek Recreation Area just to the south contain trees and vegetation but are separated from larger open space areas and the area is routinely maintained by the State. Development of the site and operation of the proposed facility would not expose people or structures to significant risk involving wildland fires. Therefore, this impact would be less than significant.

3.10 Hydrology and Water Quality

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
X. Hydrology and Water Quality.				
Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) Result in substantial on- or offsite erosion or siltation;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.10.1 Environmental Setting

Surface Water

The Project site is within the Willow Creek Watershed, which drains to Willow Creek and ultimately Lake Natoma. The Project site does not contain any surface water features and has been previously graded.

Groundwater

The Project site is within the Sacramento River Hydrologic Basin, as defined by the California Department of Water Resources (DWR). Wallace Kuhl & Associates (2005) reviewed the Spring 2003 *Groundwater Elevations* map prepared by the Sacramento County Department of Public Works, Water Resources Division and determined that regional groundwater flow is predicted to be southwesterly. It was further determined that groundwater beneath the Project area is at an elevation of approximately 110 feet above msl, or roughly 40 feet below the ground surface of the site.

Stormwater Drainage

As described previously, the Project site is relatively flat to gently undulating apart from a circular depression approximately three to five feet deep located in the site's west-central portion that is filled with mature oak trees and brush. Just west of the site's western boundary the surface slopes down at a 1:1 slope.

As described in greater detail in Section 3.19, Utilities and Service Systems, drainage infrastructure runs through the site from the property to the north to Shore Court within an existing access easement.

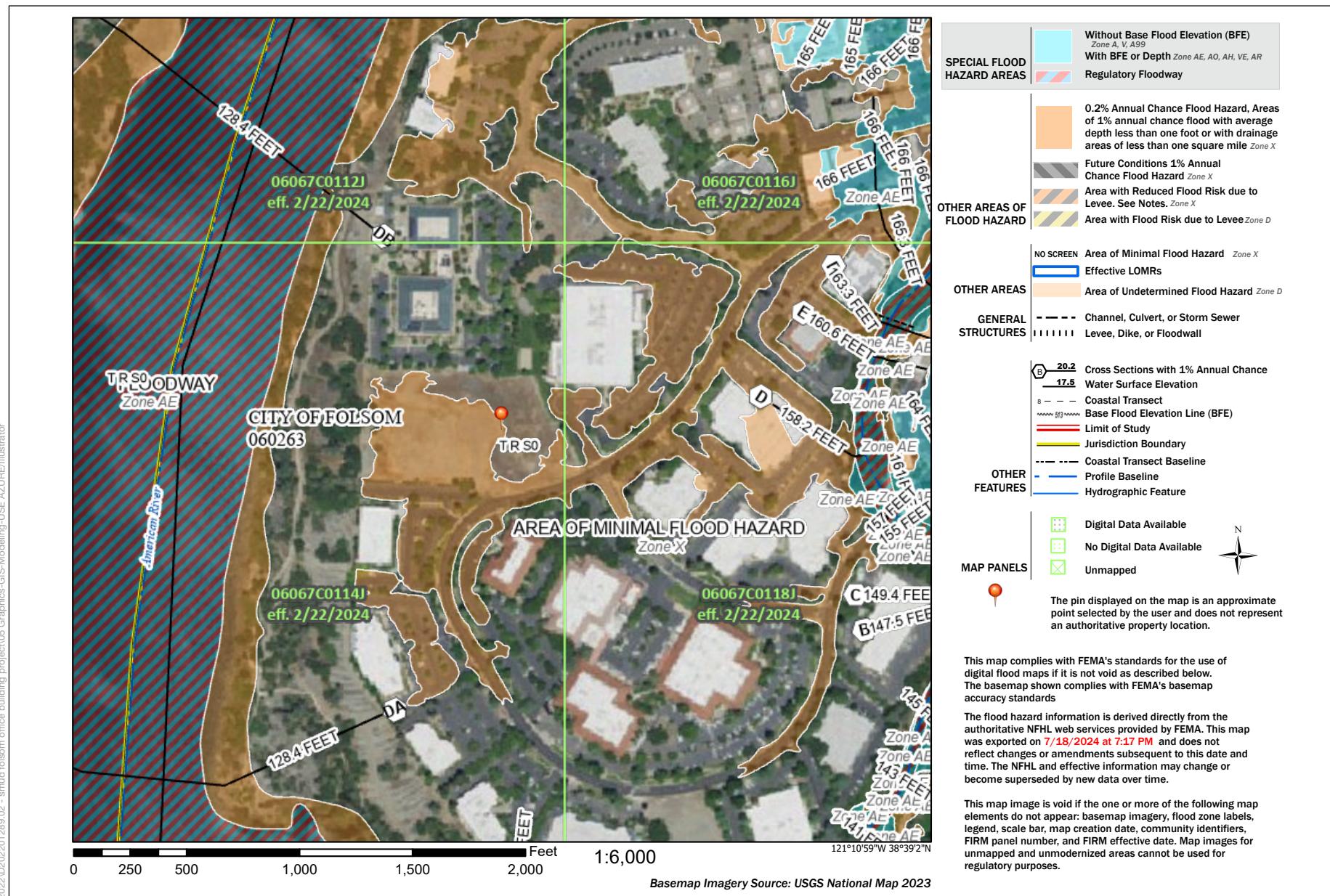
Flooding Hazards

According to the Federal Emergency Management Agency (FEMA; 2024), the Project site is in an area of 0.2 percent chance of flooding (Zone X 500-year floodplain). **Figure 3.10-1** illustrates the FEMA flood hazard zones on and around the Project site.

3.10.2 Discussion

- a) **Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?**

Less than Significant. The City of Folsom has a Phase I National Pollutant Discharge Elimination System (NPDES) permit and is part of the Sacramento Stormwater Quality Partnership (SSQP). The City of Folsom is regulated by Order No. R5-2002-0206 NPDES No. CAS082597, "Waste Discharge Requirements for County of Sacramento and the Cities Citrus Heights, Elk Grove, Folsom, Galt and Sacramento Storm Water Discharges From Municipal Separate Storm Sewer Systems Sacramento County" issued by the Central Valley Regional Water Quality Control Board (CVRWQCB).



SOURCE: FEMA

SMUD Folsom Office Building Project

Figure 3.10-1
FEMA Flood Designation Map

The City of Folsom participates in the County-wide Sacramento Stormwater Quality Improvement Program (SQIP), which was established in 1990 to reduce the pollution carried by stormwater into local creeks and rivers. The SQIP is based on the NPDES municipal stormwater discharge permit. The comprehensive SQIP includes pollution reduction activities for construction sites, industrial sites, illegal discharges and illicit connections, new development, and municipal operations.

Stormwater runoff generated during both construction and operation of the Project could degrade water quality by increasing sedimentation and by increasing the volume and flow rate of runoff. Site preparation would involve excavations and fill to raise the building pad, trenching for the relocation and installation of utilities, and further grading to create building pads and appropriate slopes for drainage. During these early stages of construction, the potential exists for wind and water erosion to discharge sediment and/or pollutants into stormwater runoff. Once constructed, runoff flowing across the site could carry pollutants such as oils and grease from vehicles and pesticides and fertilizers used in landscaping into the public storm drainage system. The discharge of sediment and pollutants into stormwater runoff could adversely affect the water quality in the Project area. However, the SWRCB adopted statewide general NPDES permits for stormwater discharge associated with construction and operation that requires implementation of Best Management Practices (BMPs) to protect water quality.

The Project would be required to implement all applicable goals, policies, and BMPs set forth by the above programs. BMPs to be implemented during Project construction would likely include, but are not limited to, installation of storm drain inlet protection, stabilization of construction exits, and proper maintenance of material stockpiles. BMPs to be implemented during Project operation would include the diversion of stormwater through water quality swales and routine inspection and maintenance of onsite BMPs.

The Project's compliance with the requirements of the CVRWQCB, the SQIP, and the City of Folsom's Stormwater Quality Program would ensure that neither construction nor operation of the Project results in degradation of downstream water quality or an increase in erosion. The Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality. Therefore, this impact would be less than significant.

- b) **Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?**

Less than Significant. Water would be supplied to the Project site by the City of Folsom exclusively from the Folsom Lake reservoir which is supplied by the south fork of the American River. Thus, the Project would have no potential to directly decrease groundwater supplies. According to the City's 2020 Urban Water Management Plan (UWMP; City of Folsom 2021), the City overlies two subbasins: the North American Subbasin and the South American Subbasin, which are part of the Sacramento Valley Groundwater Basin. The site was previously cleared and graded, and soils have become compacted prohibiting significant groundwater recharge from occurring. Thus, development of the site would not be expected to further impede groundwater recharge. Conversely, the proposed drainage plan would divert drainage to a swale and landscaped areas to treat drainage and allow for percolation into the soil,

thereby contributing to groundwater recharge. Furthermore, the Project site is designated for urban development and the loss of groundwater infiltration due to its development was addressed in the City of Folsom's General Plan PEIR. This impact would be less than significant.

- c) **Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:**
 - i) **Result in substantial on- or offsite erosion or siltation;**

Less than Significant. See Section 3.7, Geology and Soils, Response (b) and Section 3.10, Hydrology and Water Quality, Response (a). The Project has been previously graded in preparation for development and is essentially flat. However, construction would disturb and expose site soils to erosion and sediment could be transported in stormwater runoff degrading local water quality. As discussed previously, the Project would be subject to multiple layers of regulations intended to protect water quality during and post construction including the NPDES statewide permits requiring implementation of a SWPPP, the City's Grading Ordinance requiring implementation of an erosion and sediment control plan, and the CBC standards related to erosion and sediment control. Compliance with these existing regulations would minimize potential adverse impacts related to erosion or siltation at the Project site. Therefore, this impact would be less than significant.

- ii) **Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;**

Less than Significant. See Section 3.10, Hydrology and Water Quality, Response (a). Development of the Project site with the proposed building, tower, paved parking areas, and other impervious surfaces would increase the volume and flow rate of surface runoff on the site. Conformance with City of Folsom Municipal Code Sections 14.29.321 and 14.29.322 would include preparation of a drainage plan. The drainage plan would describe the existing and proposed site contours and surface water flow patterns on the site, proposed building and road elevations, and existing and proposed drainage channels. The drainage plan would demonstrate that the proposed drainage facilities would not result in stormwater runoff that could cause flooding, ponding, soil erosion, sediment production, or sediment pollution. Implementation of the proposed drainage and landscaping plans would ensure that site runoff would not result in flooding on- or off-site. Therefore, this impact would be less than significant.

- iii) **Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or**

Less than Significant. As described previously, the Project would prepare a drainage plan as part of conformance with City of Folsom Municipal code. In accordance with City of Folsom Municipal Code Section 14.29.322, the Project's drainage facilities must not result in stormwater runoff that could cause flooding or ponding. The Project proposes to direct stormwater runoff to a drainage swale and other landscaped areas of the site which would reduce the volume and flow rate of runoff prior to discharge to

the City's stormwater drainage system. Compliance with existing City regulations would reduce this impact to a level that is less than significant.

iv) Impede or redirect flood flows?

Less than Significant. The Project site is in an area of minimal flood risk (FEMA 2024) that is designated for urban development in local land use plans and surrounded by similar development. Construction activities and staging would only occur onsite and would be halted during storm event to protect water quality. Therefore, construction equipment and activities would not impede runoff in public roadways or drain inlets during a storm events. Once construction is completed, the proposed building would be raised out of the 500-year floodplain and floodwaters would flow unimpeded through the proposed parking areas and surrounding roadways. This impact would be less than significant.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Less than Significant. Tsunamis are defined as sea waves created by undersea fault movement, whereas a seiche is a long-wavelength, large-scale wave action set up in a closed body of water, such as a lake or reservoir. The Project site is not located in proximity to a coastline and would not be at risk of flooding from a tsunami. The Project site is located adjacent to Lake Natoma; however, the Project area historically has been subject to minimal seismic activity and the lake has a relatively small surface area. Furthermore, the Project would not require the use or storage of substantial quantities of hazardous substances which could be released in the event of site inundation. The risk of inundation from a seiche is minimal and does not represent a significant project impact.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less than Significant. See Response (a) above. The Project would avoid and/or minimize its effects on water quality through its compliance with the requirements of the CVRWQCB, the SQIP, and the City of Folsom's Stormwater Quality Program. Neither construction nor operation of the Project would result in the degradation of local water quality. Therefore, the Project would not conflict with or obstruct implementation of a water quality control plan. See Response (b) above. The Project would not directly or indirectly decrease groundwater levels or otherwise conflict with a sustainable groundwater management plan. Therefore, this impact would be less than significant.

3.11 Land Use and Planning

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XI. Land Use and Planning.				
Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.11.1 Environmental Setting

The Project site is located within the incorporated City of Folsom and is identified as APN 069-0240-031. The site lies west of Folsom Boulevard, south of the Lake Forest Industrial Park, east of Lake Natoma and the American River, and north of the Willow Creek Recreation Area. The unincorporated community of Orangevale is located further to the west, across Lake Natoma. The site is vacant and has been previously mass graded. Land uses immediately surrounding the Project site include existing office and industrial uses to the north, south, and east and open space/recreation to the west.

The *Folsom General Plan 2035* (adopted 2018; amended 2021) designates the site as “Industrial/Office Park (IND).” This designation provides for office, research and development, wholesale, light industrial and similar uses with a floor area ratio (FAR) of 0.2 to 1.2.

The City’s zoning regulations are contained in Title 17, *Zoning*, of the City’s Municipal Code. The City has zoned the site as “M-1 (Light Industrial)” with a “PD (Planned Development)” combining district. The M-1 zoning district allows for all uses permitted within the C-3 (Heavy Commercial) zoning district which allows for all commercial uses but is intended for the highest-intensity commercial uses. The PD combining district is intended to allow greater flexibility in the design of integrated developments and to encourage the creative and efficient use of land.

The site is part of the established Lake Forest Technical Center business park for which the *Lake Forest Technical Center Development Standards* were adopted by the City in 1981 (Ordinance No. 425). The development standards are intended to provide for the development of a visually attractive, well-maintained and functional industrial park consistent with the character of Folsom and to mitigate and/or avoid potential impacts of such development to the unique and sensitive open space lands along Lake Natoma and Willow Creek.

The Project site is adjacent to Lake Natoma and land that is within the American River Parkway (Parkway). The Parkway is an open space greenbelt that extends from Folsom Dam approximately 29 miles southwest to the American River's confluence with the Sacramento River. The Parkway crosses multiple jurisdictional boundaries and includes portions of unincorporated Sacramento County, the cities of Sacramento and Rancho Cordova, and the Lake Natoma portion of the Folsom Lake State Recreational Area. The American River Parkway Plan (Sacramento County 2008) provides guidance for land use decisions affecting the Parkway and specifically addresses the preservation, use, development, and administration of the Parkway. The plan was most recently updated in 2008.

3.11.2 Discussion

a) Physically divide an established community?

No Impact. The Project site is located within a developed business park in an urban area of the city. While the site is within an established community, the Project proposes a use that is consistent with adjacent uses and with local land use plans. The Project does not propose any new roadways or other linear barriers to the movement of people through the area. There would be no impact.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less than Significant. As described in greater detail in the following discussion, if the Project and the entitlements it requests are approved, the Project would be consistent with all applicable local land use plans, policies, and regulations and this impact would be less than significant.

Folsom General Plan 2035

As discussed below, the Project would be consistent with the goals and policies of the Folsom General Plan 2035 adopted for the purpose of avoiding or mitigating an environmental effect:

- Land Use Element: Office and similar uses, such as the Project, are allowable uses within the Industrial/Office Park (IND) land use designation. The proposed facility would have a 75,000-square-foot building footprint on an approximately 218,236 square-foot parcel which equates to an FAR of 0.33. This is consistent with the allowable density/intensity range of FAR 0.2 to 1.2 for the IND land use designation. The Project would also be consistent with the more restrictive 50 percent maximum lot coverage (FAR 0.5) imposed by the Lake Forest Technical Center Development Standards (see further discussion of the Project's consistency with these standards below).
- Mobility Element: The Project does not propose any improvements to the existing roadways or bicycle/pedestrian facilities along Woodmere Road and would be consistent with the City's Pedestrian Master Plan (Policy M 2.1.1) and Bikeway Master Plan (Policy M 2.1.5).

- Natural and Cultural Resources Element: The Project would be consistent with the City's policies to protect natural and cultural resources by proposing to shield and direct outdoor lighting downward to avoid impacts to views, the night sky, and wildlife within the adjacent open space corridor (Policies NCR 1.1.7 and NCR 2.1.3). In addition, the Project proposes landscaping throughout the site to reduce the heat island effect consistent with Policy NCR 1.1.8. The Project would protect scenic views by complying with the City's development standards related to building form, materials, and colors and through the use of landscaping as screening (Policies NCR 2.1.1 and 2.1.2) (see also Section 3.1, Aesthetics). As discussed further in Section 3.10, Hydrology and Water Quality, the Project would avoid and minimize effects on water quality consistent with the policies under Goal NCR 4.1 through the implementation of BMPs during construction and operation.
- Public Facilities and Services Element: The Project would be served by existing utility systems with sufficient capacities and would not increase demand for public services consistent with the City's Public Facilities and Services goals and policies (see Section 3.15, Public Services, and Section 3.19, Utilities and Service Systems). Project landscaping would meet the requirements of the City's Water Efficient Landscape Ordinance (Policy PFS 3.1.3). Furthermore, the Project proposes an onsite drainage system with adequate capacity to serve the site consistent with the policies under Goal PFS 5.1.
- Safety and Noise Element: As discussed in Section 3.9, Hazards and Hazardous Materials, the Project would not impede emergency operations and would be consistent with the City's Emergency Operations Plan (Policy SN 1.1.1) and Multi-Hazard Mitigation Plan. As discussed in Section 3.7, Geology and Soils, the Project site is on dredge tailings and would conform to the guidelines and regulations of the California Geological Survey.

Folsom Zoning Code and Lake Forest Technical Center Development Standards

The M-1 (Light Industrial) zoning designation allows for business and professional office uses by right and conditionally allows for new telecommunications towers. As the site is also zoned PD (Planned Development), the conditional approval of the proposed telecommunications tower would be approved through a Use Permit from the City. The Project site is also subject to the development standards adopted for the Lake Forest Technical Center including a maximum building height of 40 feet. The PD combining district allows for variances from the regulations of the underlying zone relating to height, setback, lot area and coverage, and parking. The proposed site design would conform to the M-1 zoning regulations and Lake Forest Development Standards related to setbacks, building coverage, building exteriors, landscaping and screening, fencing, and signs. However, the proposed 100-foot telecommunications tower would exceed the height limit and require a variance, which would be approved through a Planned Development Permit. The Project would undergo concurrent design review by the City to determine Project consistency with applicable standards. Thus, approval of the Planned Development Permit and Conditional Use Permit would ensure Project consistency with the City's zoning regulations.



American River Parkway Plan

The Project is adjacent to Lake Natoma and a narrow corridor of public open space that is managed under the American River Parkway Plan. Project activities would be limited to the Project site and would not encroach on the Parkway during construction or operation. The Project would not conflict with implementation of the American River Parkway Plan.

3.12 Mineral Resources

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XII. Mineral Resources.				
Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.12.1 Environmental Setting

The Project is located in the northeastern portion of Sacramento County. Principal mineral resources in Sacramento County include construction aggregates (sand and gravel) and natural gas. Natural gas production areas are located in the southwestern extent of the county and aggregate deposits are located south of the American River (Sacramento County 1993). There are no mineral resource extractions activities near the Project site.

Under the State Mining and Reclamation Act, areas containing economically significant mineral deposits are classified and mapped. The Project site is not classified as an area that is likely to contain substantial mineral deposits (DOC 2018).

3.12.2 Discussion

- a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

Less than Significant Impact. The Project site is classified as MRZ-2 indicating a high likelihood for the occurrence of significant aggregate deposits. However, as discussed above, MRZ classifications are determined without regard to existing land use. The site is within an established business park that has been almost entirely developed. Thus, even if mineral resources are present, the Project area has been committed to urban uses and is not available for mineral resource development. Furthermore, the City has zoned the site for development indicating that any potential mineral resources in the area are not of significant value to the region or its residents. Therefore, this impact would be less than significant.

- b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. The Project site and surrounding area are not designated as a locally important mineral resource recovery site (City of Folsom 2018). Therefore, there would be no impact.

3.13 Noise

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIII. Noise.				
Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or in other applicable local, state, or federal standards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.13.1 Environmental Setting

Sound is mechanical energy transmitted by pressure waves through a medium such as air. Noise can be defined as unwanted sound. Sound is characterized by various parameters that include the rate of oscillation of sound waves (frequency), the speed of propagation, and the pressure level or energy content (amplitude). In particular, the sound pressure level has become the most common descriptor used to characterize the loudness of an ambient sound level. Sound pressure level is measured in decibels (dB), with 0 dB corresponding roughly to the threshold of human hearing, and 120 to 140 dB corresponding to the threshold of pain.

The typical human ear is not equally sensitive to all frequencies of the audible sound spectrum. As a consequence, when assessing potential noise impacts, sound is measured using an electronic filter that de-emphasizes the frequencies in a manner corresponding to the human ear's decreased sensitivity to low and extremely high frequencies instead focusing on the frequency mid-range. This method of frequency weighting is referred to as A weighting and is expressed in units of A weighted decibels (dBA). All sound pressure levels and sound power levels reported below are A-weighted.

Noise Exposure and Ambient Noise

An individual's noise exposure is a measure of the noise experienced by the individual over a period of time. A noise level is a measure of noise at a given instant in time. However, noise levels rarely persist consistently over a long period of time. In fact, noise varies continuously with time with respect to the contributing sources in the noise environment. Noise is primarily the product of many distant noise sources, which constitute a relatively stable background noise exposure, with the individual contributors unidentifiable. Background noise levels change throughout a typical day, but do so gradually, corresponding with the addition and subtraction of distant noise sources and atmospheric conditions. The addition of short duration single event noise sources (e.g., aircraft flyovers, motor vehicles, sirens) makes noise constantly variable throughout a day.

These successive additions of sound to the noise environment vary the noise level from instant to instant, requiring the measurement of noise exposure over a period of time to legitimately characterize a noise environment and evaluate noise impacts. This time-varying characteristic of environmental noise is described using statistical noise descriptors. Different noise descriptors used to characterize environmental noise are summarized below:

- L_{eq} : The equivalent sound level is used to describe noise over a specified period of time, in terms of a single numerical value. The L_{eq} is the constant sound level which would contain the same acoustic energy as the varying sound level, during the same time period (i.e., the average noise exposure level for the given time period).
- L_{dn} : The energy average of the A-weighted sound levels occurring during a 24-hour period, and which accounts for the greater sensitivity of most people to nighttime noise by weighting noise levels at night ("penalizing" nighttime noises). Noise between 10 p.m. and seven a.m. is weighted (penalized) by adding 10 dBA to take into account the greater annoyance of nighttime noises. L_{dn} is also referred to as DNL.
- L_{max} : The instantaneous maximum noise level measured during the measurement period of interest.

Effects of Noise on People

The effects of noise on people can be placed into three categories:

- subjective effects of annoyance, nuisance, dissatisfaction;
- interference with activities such as speech, sleep, learning; and
- physiological effects such as hearing loss or sudden startling.

Environmental noise typically produces effects in the first two categories. Workers at industrial plants often experience noise in the last category. There is no completely satisfactory way to measure the subjective effects of noise, or the corresponding reactions of annoyance and dissatisfaction. A wide

variation exists in the individual thresholds of annoyance, and different tolerances to noise tend to develop based on an individual's past experiences with noise.

Thus, an important way of predicting a human reaction to a new noise environment is the way the new noise compares to the existing noise levels that one has adapted to, which is referred to as the "ambient noise" level. In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will be judged by those hearing it. With regard to increases in A weighted noise level, the following relationships occur:

- Except in carefully controlled laboratory experiments, a change of 1 dBA cannot be perceived;
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference when the change in noise is perceived but does not cause a human response;
- A change in level of at least 5 dBA is required before any noticeable change in human response would be expected; and
- A 10-dBA change is subjectively heard as approximately a doubling in loudness, and can cause an adverse response.

These relationships occur in part because of the logarithmic nature of sound and the decibel system. The human ear perceives sound in a non-linear fashion; hence, the decibel scale was developed. Because the decibel scale is based on logarithms, two noise sources do not combine in a simple additive fashion, rather they combine logarithmically. For example, if two identical noise sources produce noise levels of 50 dBA, the combined sound level would be 53 dBA, not 100 dBA. However, where ambient noise levels are high in comparison to a new noise source, there will be a small change in noise levels. For example, when 70 dBA ambient noise levels are combined with a 60 dBA noise sources, the resulting noise level equals 70.4 dBA.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal and is typically expressed in units of inches per second (in/sec). The PPV is most frequently used to describe vibration impacts on buildings. The root mean square (RMS) amplitude is most frequently used to describe the effect of vibration on the human body. The RMS amplitude is defined as the average of the squared amplitude of the signal. Decibel notation (VdB) is commonly used to measure RMS. The decibel notation acts to compress the range of numbers required to describe vibration (FTA, 2018). Typically, ground-borne vibration generated by man-made activities attenuates rapidly with distance from the source of the vibration.

Some common sources of ground-borne vibration are trains, heavy trucks traveling on rough roads, and construction activities such as blasting, pile driving, and operation of heavy earth-moving equipment.

The effects of ground-borne vibration include movement of the building floors, rattling of windows, shaking of items on shelves or hanging on walls, and rumbling sounds. In extreme cases, vibration can cause damage to buildings. Building damage is not a factor for most projects, with the occasional exception of blasting and pile-driving during construction. In residential areas, the background vibration velocity level is usually around 50 VdB (approximately 0.0013 in/sec PPV).

Sensitive Receptors

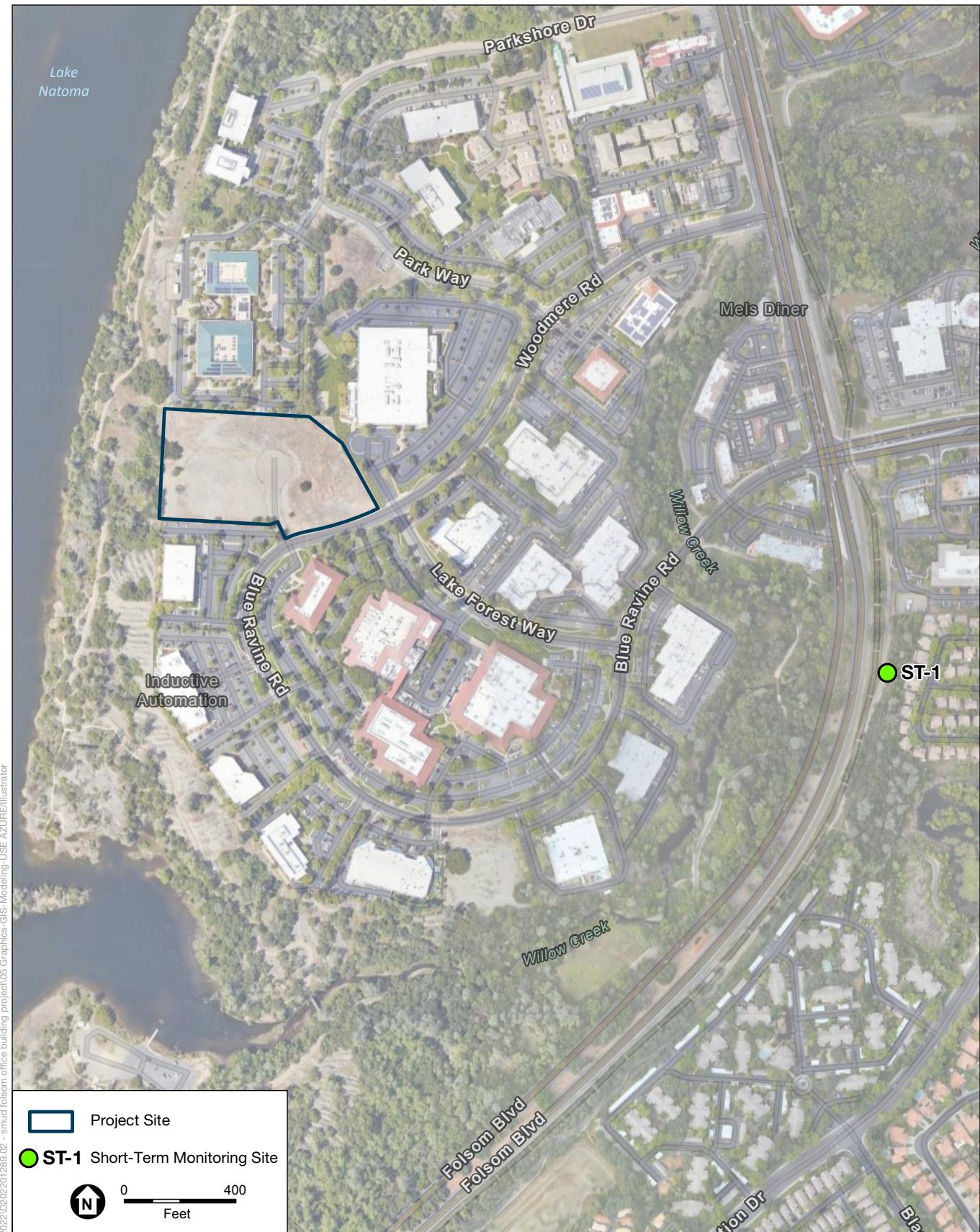
Human response to noise varies considerably from one individual to another. Effects of noise at various levels can include interference with sleep, concentration, and communication, and can cause stress and hearing loss. Given these effects, some land uses are considered more sensitive to ambient noise levels than others. In general, residences, schools, hotels, hospitals, and nursing homes are considered to be the most sensitive to noise. Places such as churches, libraries, and cemeteries, where people tend to pray, study, and/or contemplate are also sensitive to noise. Commercial and industrial uses are considered the least noise-sensitive.

The Project is in a suburban area. Sensitive receptors in the vicinity include single-family residences located on Coventry Circle approximately 1,940 feet to the southeast of the Project site.

To quantify the ambient noise levels in the vicinity of the Project, a noise measurement survey was conducted on March 7, 2024, near sensitive land uses that could be impacted by noise generated by the Project. The noise measurement was conducted using calibrated Larson Davis 831 noise meter. The noise measurement survey consisted of two 15-minute short-term (ST) noise measurements. Noise measurement results and location are shown in **Table 3.13-1** and **Figure 3.13-1**, respectively.

Table 3.13-1. Short-Term Noise Measurement Data

Measurement Location	Measurement Location Description	Major Noise Sources	Start Time	Noise Level (dBA) L _{eq}
ST-1	Behind residences on Coventry Circle, east of Folsom Boulevard	Distant traffic on Folsom Boulevard	11:14 a.m.	60.7
Notes: ST=short-term Source: ESA 2024.				



SOURCE: ESRI, 2023; Sacramento County, 2023; ESA, 2024

SMUD Folsom Office Building Project

Figure 3-4
Noise Monitoring Location

3.12.3 Regulatory Setting

Federal, state, and local agencies regulate different aspects of environmental noise. Federal and state agencies generally set noise standards for mobile sources such as aircraft and motor vehicles, while regulation of stationary sources is left to local agencies. Local regulation of noise involves implementation of general plan policies and noise ordinance standards. Local general plans tend to identify general principles intended to guide and influence development plans; local ordinances establish standards and procedures for addressing specific noise sources and activities.

Federal

Truck Operations

Federal regulations establish noise limits for medium and heavy trucks (more than 4.5 tons, gross vehicle weight rating) under 40 Code of Federal Regulations, Part 205, Subpart B. The federal truck pass-by noise standard is 80 dBA at 15 meters (approximately 50 feet) from the vehicle pathway centerline. These regulatory controls are implemented on truck manufacturers.

Vibration

The FTA has adopted vibration standards that are used to evaluate potential building damage impacts related to construction activities. The vibration damage criteria adopted by the FTA are shown in **Table 3.13-2**.

Table 3.13-2. Construction Vibration Damage Criteria

Building Category	PPV (in/sec)
I. Reinforced-concrete, steel, or timber (no plaster)	0.5
II. Engineered concrete and masonry (no plaster)	0.3
III. Non-engineered timber and masonry buildings	0.2
IV. Buildings extremely susceptible to vibration damage	0.12

Source: FTA, 2018.

State

Vehicle Operations

The State of California establishes noise limits for vehicles licensed to operate on public roads. The pass-by standard for heavy trucks is consistent with the federal limit of 80 dBA. The pass-by standard for light trucks and passenger cars (less than 4.5 tons, gross vehicle rating) is also 80 dBA at 15 meters from the centerline. These standards are implemented through controls on vehicle manufacturers and by legal sanctions on vehicle operators by State and local law enforcement officials.

Vibration

The California Department of Transportation (Caltrans) has developed guidance on addressing vibration issues associated with construction, operation, and maintenance of transportation projects (Caltrans, 2013a). **Table 3.13-3** shows the Caltrans criteria for human response to transient vibration.

Table 3.13-3. Human Response to Transient Vibration

Human Response	PPV (inches/second)
Severe	2.0
Strongly Perceptible	0.9
Distinctly Perceptible	0.24
Barely Perceptible	0.035

Source: Caltrans, 2013.

Local

City of Folsom General Plan 2035

Noise is addressed in the City of Folsom General Plan within the Safety and Noise Element (City of Folsom, 2018). The following goals and policies from the General Plan, relevant to noise and vibration are applicable to the Project.

Goal: Protect the citizens of Folsom from the harmful effects of exposure to excessive noise and to protect the economic base of Folsom by preventing the encroachment of incompatible land uses within areas affected by existing noise-producing uses.

Policy 6.1.1: Noise Mitigation Strategies Ensure. Develop, maintain, and implement strategies to abate and avoid excessive noise exposure in the city by requiring that effective noise mitigation measures be incorporated into the design of new noise-generating and new noise-sensitive land uses.

Policy 6.1.2: Noise Mitigation Measures. Require effective noise mitigation for new development of residential or other noise sensitive land uses to reduce noise levels as follows:

1. For noise due to traffic on public roadways, railroad line operations, and aircraft: achieve compliance with the performance standards within Table SN-1 (see **Table 3.13-4**).
2. For non-transportation-related noise sources: achieve compliance with the performance standards contained within Table SN-2 (see **Table 3.13-5**).

3. If compliance with the adopted standards and policies of the Safety and Noise Element will not be achieved even with feasible mitigation measures, a statement of overriding considerations for the Project must be provided.

Table 3.13-4. (Table SN-1) Noise Compatibility Standards

Exterior Noise Level Standard for Outdoor Activity Areas ^a	Major Noise Sources	Interior Noise Level Standard	
	Ldn/CNEL, dB	Ldn/CNEL, dB	Leq, dB ^b
Residential (Low Density Residential, Duplex, Mobile Homes)	60 ^c	45	N/A
Residential (Multi-Family)	65 ^d	45	N/A
Transient Lodging (Motels/Hotels)	65	45	N/A
Mixed-Use Developments	70	45	N/A
Schools, Libraries, Churches, Hospitals, Nursing Homes, Museums	70	45	N/A
Theaters, Auditoriums	70	N/A	35
Playgrounds, Neighborhood Parks	70	N/A	N/A
Golf Courses, Riding Stables, Water Recreation, Cemeteries	75	N/A	N/A
Office Buildings, Business Commercial and Profession	70	N/A	45
Industrial, Manufacturing, and Utilities	75	N/A	45

Notes: Where a proposed use is not specifically listed on this table, the use shall comply with the noise exposure standards for the nearest similar use as determined by the Community Development Department.

a) Outdoor activity areas for residential developments are considered to be the back yard patios or decks of single-family residential units, and the patios or common areas where people generally congregate for multifamily development. Outdoor activity areas for nonresidential developments are considered to be those common areas where people generally congregate, including outdoor seating areas. Where the location of outdoor activity areas is unknown, the exterior noise standard shall be applied to the property line of the receiving land use. 9-12 Adopted August 28, 2018; Amended August 24, 2021

b) As determined for a typical worst-case hour during periods of use.

c) Where it is not possible to reduce noise in outdoor activity areas to 60 dB, Ldn/CNEL or less using a practical application of the best-available noise reduction measures, an exterior level of up to 65 dB, Ldn/CNEL may be allowed provided that available exterior noise level reduction measures have been implemented and interior noise levels are in compliance with this table.

d) Where it is not possible to reduce noise in outdoor activity areas to 65 dB, Ldn/CNEL or less using a practical application of the best-available noise reduction measures, an exterior level of up to 70 dB, Ldn/CNEL may be allowed provided that available exterior noise level reduction measures have been implemented and interior noise levels are in compliance with this table.

Source: City of Folsom General Plan 2035

Table 3.13-5. (Table SN-2) Noise Level Standards from Stationary Sources

Noise Level Descriptor	Daytime (7:00 A.M. to 10:00 P.M.)	Nighttime (10:00 P.M. to 7:00 A.M.)
Hourly Leq, dB	55	45
Maximum level, dB	70	65

Notes: Noise levels are measured at the property line of the noise-sensitive use.
Source: City of Folsom General Plan 2035

Policy 6.1.3: Acoustical Analysis. Require an Acoustical Analysis prior to approval of proposed development of residential or other noise-sensitive land uses in a noise-impacted area.

Policy 6.1.7: If noise barriers are required to achieve the noise level standards contained within this Element, the City shall encourage the use of these standards:

1. Noise barriers exceeding six feet in height relative to the roadway should incorporate an earth berm so that the total height of the solid portion of the barrier (such as masonry or concrete) does not exceed six feet.
2. The total height of a noise barrier above roadway elevation should normally be limited to 12 feet.
3. The noise barriers should be designed so that their appearance is consistent with other noise barriers in the Project vicinity.

Policy 6.1.8: Vibration Standards. Require construction projects and new development anticipated to generate a significant amount of vibration to ensure acceptable interior vibration levels at nearby noise-sensitive uses based on Federal Transit Administration criteria as shown in Table SN-3 (Groundborne Vibration Impact Criteria for General Assessment).

City of Folsom Municipal Code

Section 8.42.040 of the City of Folsom Municipal Code established exterior noise level standards for sensitive receptors. As shown in **Table 3.13-6**, the City's daytime noise standards are from the hours of 7 a.m. to 10 p.m., and the nighttime noise standards are from the hours of 10 p.m. to 7 a.m. The ordinance further states that if the measured ambient noise level exceeds the applicable noise level standard, then the measured ambient noise level becomes the new standard. Also, Section 8.42.060 states that construction activities are prohibited between the hours of 6 p.m. and 6 a.m. on weekdays, and between the hours of 5p.m. and 8 a.m. on weekends.

Table 3.13-6. (Table 8.42.040) Exterior Nosie Level Standards, dBA

Noise Level Category	Cumulative Number of minutes in any 1-hour time period	dBA Daytime (7 a.m. to 10 p.m.)	dBA Nighttime (10 p.m. to 7 a.m.)
1	30	50	45
2	15	55	50
3	5	60	55
4	1	65	60
5	0	70	65

Source: City of Folsom Municipal Code Section 8.42.040

3.13.2 Discussion

- a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or in other applicable local, state, or federal standards?

Construction-Related Noise

Less than Significant. The proposed Project would generate noise primarily during construction as discussed below.

Construction of the proposed Project would take place over a period of 17 months from April 2024 to July 2025. Construction activities associated with the proposed Project are detailed in Section 2 of the Project Description.

Construction would involve use of equipment that could generate substantial noise at and adjacent to construction areas. Noise impacts from construction would depend on the type of activity being undertaken and the distance to the receptor location. Construction noise impacts are most severe if construction activities take place during noise-sensitive hours (early morning, evening, or nighttime hours), in areas immediately adjoining noise-sensitive land uses, and/or when construction duration lasts over extended periods of time.

Table 3.13-7 shows typical noise levels produced by the types of construction equipment that are expected to be used for Project construction.

Construction of the Project would occur within the City's construction exempt hours. The nearest off-site sensitive land use to the Project are residences located approximately 1,940 feet southeast from the Project site.

Table 3.13-7. Typical Nosie Levels From Construction Equipment

Human Response	PPV (inches/second)	
Dump Truck	84	80/40%
Air Compressor	80	76/40%
Concrete Mixer (Truck)	85	81/40%
Scraper	85	81/40%
Jack Hammer	85	78/20%
Dozer	85	81/40%
Paver	85	82/50%
Generator	82	79/50%
Backhoe	80	76/40%

Source: Federal Highway Administration (FHWA), Roadway Construction Noise Model User's Guide, 2018

Noise from construction activities generally attenuates at a rate of 6 to 7.5 dBA for every doubling of distance (Caltrans, 2013a). Assuming an attenuation rate of 7.5 dBA per doubling of distance and two of the loudest pieces of construction equipment (i.e., Loaders, Tractors) operating at the same time, the nearest sensitive land uses located 2,390 feet from the center of the proposed Project site would be exposed to a noise level of approximately 48 dBA L_{eq}. However, because construction would occur during the exempt daytime hours, construction of the Project would not generate of a substantial temporary increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance. This impact would be considered less than significant.

Operational Noise

Less than Significant. The Project would generate operational noise from activities associated with the proposed commercial activities in the Project vicinity.

Commercial uses proposed as part of the Project would generate operational noise from Heating, Ventilation and Air Conditioning (HVAC) units, and backup generators. However, this noise would be minimal and would not be audible to the nearest receptors, the residents located to the southeast of the Project site.

HVAC Noise

HVAC units can generate noise levels of approximately 51 dBA L_{eq} at a reference distance of 100 feet from the operating units during maximum heating or air conditioning operations. HVAC units are typically housed in equipment rooms or in exterior enclosures on the building's rooftop. The nearest proposed sensitive land use is located approximately 2,230 feet southeast of Phase 2 building where operational HVAC noise levels would be 24 dBA, L_{eq}. Therefore, the nearest sensitive land use would not

be exposed to noise generated by the onsite HVAC equipment that would exceed the City's nighttime noise standard of 45 dBA. Therefore, the impact from HVAC operations would be less than significant.

Backup Generator Noise

Regular maintenance operation testing of the Project building emergency standby generators would occur for approximately one hour per week (50 hours annually). These emergency generators are proposed to be located adjacent to the west of the Phase 1 buildings' ground floor.

A recent acoustical study for an emergency generator modeled noise from such a facility to be 82 dBA at 23 feet (ESA, 2023). The emergency generator noise from the Project was conservatively modeled assuming operation of the Project emergency generator unit located closest to the nearest off-site sensitive residential receptors and conservatively did not account for noise reduction that would be afforded by their enclosures. Modeled noise levels from operation of this generator are predicted to be 41 dBA at the nearest residential receptor at approximately 2,660 feet. As shown in Table 3.13-1, the existing ambient noise levels at the nearest receptor is 61 dBA. Given the substantial distance of the nearest residential receptors from the Project site buildings, the contribution of emergency generator noise would not exceed the daytime 61 dBA threshold and would, therefore, be less than significant.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Construction

Less than Significant. Operation of the Project would not include any activities that would generate significant levels of vibration. Therefore, it is not anticipated that Project operation would expose the nearest sensitive receptors or structures to vibration levels that would result in annoyance. For this reason, the following analysis of the Project's vibration impacts evaluates only the effects of on-site construction activities.

Construction activity can result in varying degrees of ground-borne vibration, depending on the type of soil, equipment, and methods employed. Operation of construction equipment can cause ground vibrations that spread through the ground and diminish in strength with distance. Buildings on the soil near the construction site respond to these vibrations with varying results, ranging from no perceptible effects at the lowest levels, low rumbling sounds and perceptible vibrations at moderate levels, and slight damage at the highest levels. While ground vibrations from construction activities do not often reach the levels that can damage structures, fragile buildings must receive special consideration.

There are no structures of historical significance in the vicinity of the proposed Project alignment that would be impacted by the proposed Project. The nearest structures are commercial buildings located from the south, east, and north of the Project site and both are approximately 80 feet from the Project boundary. Therefore, the analysis below uses a vibration threshold of 0.5 in/sec which is consistent with the FTA's construction vibration criteria for buildings of modern, conventional construction and the Caltrans-identified vibration level that could generate a distinctly perceptible human response to assess impacts.

Construction vibration may generate perceptible vibration when impact equipment (i.e., jack hammer, drill rig) or heavy earth moving equipment (i.e., front end loader, roller compactor, excavator) are used.

Based on groundborne vibration levels for standard types of construction equipment provided by the FTA, other than pile driving equipment, the use of a vibratory roller would be expected to generate the highest vibration levels. Vibratory rollers typically generate vibration levels of 0.210 in/sec PPV at a distance of 25 feet (FTA, 2018). Even if such equipment operated as close as 25 feet from existing adjacent structures to the south and east of the Project site, vibration levels would be less than the 0.5 in/sec PPV threshold. In addition, the operation of each piece of construction equipment at the Project site would not be constant throughout the day, equipment would be operating at different locations within the Project site and would not always be operating concurrently. Consequently, vibration levels during the majority of the construction period at the nearest receptors would be much lower. Project construction would be restricted to the hours of the day consistent with the City of Folsom Municipal Code and reduce nuisance impacts from both construction noise and vibration by prohibiting such activity during sensitive time periods. Therefore, the Project would have a less-than-significant impact with regard to ground-borne vibration during construction.

Operation

No Impact. Once operational, the Project would not include any sources of vibration. Therefore, there would be no impact.

- c) **For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?**

No Impact. The nearest airfield to the Project area is the Sacramento Mather Airport located approximately 8 miles to the southwest of the Project site. The 60 CNEL noise contour for airport operations is well over 3.5 miles from the Project site (Sacramento County, 1998). As a result, development allowed under the Project would not expose people residing or working in the area to excessive noise levels from aircraft, and no impact would occur.

3.14 Population and Housing

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIV. Population and Housing.				
Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.14.1 Environmental Setting

As of January 1, 2023, the City of Folsom had a population of 85,498 residents living in 32,083 households for an average household size of 2.67 (DOF 2023). The Project site is currently vacant and does not provide housing for any residents.

3.14.2 Discussion

- a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less than Significant Impact. The Project involves the development of a new SMUD facility that would be staffed primarily by workers relocated from an existing SMUD facility elsewhere in the Sacramento region. While some new workers would be added, the Project site is zoned for development with an office or commercial use which would be expected to create substantially more new employment opportunities. Furthermore, the Project site is within an established business park and would not extend any roads or infrastructure to previously unserved areas. Therefore, the Project would directly or indirectly induce population growth. Therefore, this impact would be less than significant.

- b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. No persons or homes would be displaced as a result of Project implementation. Therefore, there would be no impact.

3.15 Public Services

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XV. Public Services.				
Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3.15.1 Environmental Setting

The Project site is in the City of Folsom and is served by City of Folsom and Sacramento County public services (law enforcement, fire protection, schools, parks, and libraries).

Fire Protection Services

Fire Protection Services are provided to the Project area by the City of Folsom Fire Department (FFD). The Fire Department is a full-service fire department, providing emergency medical, fire suppression, water and technical rescue, hazardous materials response, fire prevention, and public education to the community. Calls for FFD service in 2023 totaled 9,527. The fire station closest to the Project site is Station 35, located at 535 Glen Drive, about 1.6 miles to the northeast (FFD 2024).

Law Enforcement Services

Law enforcement services in the Project area are provided by the City of Folsom Police Department (FPD). The Folsom Police Station is located at 46 Natoma Street about 2.5 miles northeast of the Project

site. According to the Police Department's 2022 Annual Report, the Department has 28 officers supervised by five corporals and six sergeants as well as one community service officer and two cadets. The Department answered 38,305 calls for service in 2022 (FPD 2022).

Schools

The Project site is within the Folsom Cordova Unified School District (FCUSD). The FCUSD operates 21 elementary schools, four middle schools, and three high schools with a total student enrollment of about 21,000 (FCUSD 2024). The nearest public school to the site is the Natoma Station Elementary School, approximately 0.6 miles to the east.

Parks and Recreational Facilities

See Section 3.16, Recreation, for a discussion of parks and recreational facilities.

3.15.2 Discussion

- a) **Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:**

Fire Protection

Less than Significant. Implementation of the Project would not significantly increase demand for fire protection services because the Project would not generate new residents, which is the driving factor for fire protection services. As discussed in Section 3.14, Population and Housing, the Project is a new use on the site but would be staffed by employees relocated from SMUD's existing facility. Furthermore, the Project proposes construction of a standard office building that would comply with the City's development standards and would not require special equipment for fire suppression or generate higher than anticipated calls for service. The Project would not result in the need for new or expanded Fire Department facilities. Therefore, this impact would be less than significant.

Police Protection

Less than Significant Impact. Implementation of the Project would not significantly increase demand for law enforcement services because the Project would not generate new residents or create a use that exhibits higher than normal calls for law enforcement services. The Project would not result in the need for new or expanded Police Department facilities. Therefore, this impact would be less than significant.

Schools

Less than Significant Impact. The Project would not provide any new housing that would generate new student enrollments at public schools. As discussed in Section 3.14, Population and Housing, the Project is a new use on the site but would be staffed by employees relocated from SMUD's existing facility.

Regardless, the Project would be required to pay development impact fees to the Folsom Cordova Unified School District to mitigate any potential increase in demand for public school facilities. Therefore, this impact would be less than significant.

Parks

Less than Significant Impact. The Project would not directly or indirectly induce unplanned population growth in the Project area. The Project would not increase the use of existing parks or recreational facilities necessitating new or expanded facilities. Therefore, this impact would be less than significant.

Other Public Facilities

No Impact. As described previously, the Project would not induce substantial population growth in the Project area and would have no impact on other public facilities such as the Sacramento County Library System. Therefore, there would be no impact.

3.16 Recreation

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVI. Recreation.				
Would the project:				
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.16.1 Environmental Setting

The Project site is in the City of Folsom within an area of abundant recreational facilities primarily associated with Lake Natoma, which lies immediately to the west. The lake and adjacent Jedidiah Smith Memorial Trail are part of the American River Parkway and the Folsom Lake State Recreation Area. Just south of the Lake Forest Technical Center, where Willow Creek drains into Lake Natoma, is the Willow Creek Recreation Area and boat launch. West of the site and Lake Natoma is the Mississippi Bar area with an extensive system of hiking, biking, and equestrian trails. The nearest developed park is the Natoma Station Neighborhood Park and Ernie Sheldon Youth Sports Park about one half mile east of the Project site on Natoma Station Drive.

3.16.2 Discussion

- a) **Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

No Impact. As discussed in Section 3.14, Population and Housing, the Project would not directly or indirectly induce unplanned population growth in the Project area. The Project would not have the potential to significantly increase the use of existing parks or recreational facilities in the area. Therefore, there would be no impact.

- b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?

No Impact. The Project would not include or require the construction or expansion of any recreational facilities. Therefore, no impact would occur.

3.17 Transportation

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVII. Transportation.				
Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.17.1 Environmental Setting

The Project site is approximately 0.9 miles north of Highway 50 and approximately 0.3 miles west of Folsom Boulevard, a four-lane, two-way major arterial roadway. The Project site can currently be accessed through Shore Court off Woodmere Road, which is a minor collector roadway that becomes Blue Ravine Road southwest of the Project site. Woodmere Road intersects Folsom Boulevard perpendicularly as it continues to the east.

Bicycle facilities include routes along Jedediah Smith Memorial Trail immediately west of the site as well as Willow Creek Trail to the southeast continuing north. Additionally, Folsom Boulevard contains a designated bike lane along the east of the site.

The Sacramento Regional Transit Gold Line Train runs along Folsom Boulevard, with the nearest stops at Glenn Station approximately 0.7 miles northeast of the site, and at Iron Point Station approximately 0.6 miles south.

Pedestrian access to the site is provided via sidewalks along Blue Ravine Road/Woodmere Road. Additional pedestrian facilities exist along Jedediah Smith Memorial Trail to the west, Parkshore Drive to the northeast, as well as Lake Forest Way to the southeast.

3.17.2 Discussion

- a) **Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?**

No Impact. The Project would not conflict with plans and policies related to the circulation system. The Project would not modify existing roadways, transit facilities, pedestrian or bicycle facilities. There would be no roadway improvements along roadways within the Project vicinity such as Woodmere Road or Folsom Boulevard. The Project would not create new housing or otherwise increase demand for transportation facilities beyond what is already planned by local agencies. There would therefore be a no impact related to a conflict with program, plan, ordinance or policy addressing the circulation system.

- b) **Conflict or be inconsistent with CEQA Guidelines Section 15064.3(b), which pertains to vehicle miles travelled?**

Less than Significant. The Project would not create a significant increase in VMT. It would not add capacity to existing roadways nor would it create new housing or businesses that stimulate regional VMT.

Temporary construction activities would result in temporary increases in vehicle trips associated with worker commutes and equipment and materials delivery. Construction activities are estimated to require an average daily worker population of approximately 50 workers, with up to approximately 70 workers during peak construction activities.

Operational vehicle trips can be characterized through use of the SACOG Work VMT per Job map. To support SB 743 implementation, SACOG developed a screening map specific to employment using outputs from the 2016 base year model run of the SACSIM travel demand model for the 2020 MTP/SCS. SACOG's Work VMT per Job map uses "HEX" geography, wherein average work VMT per job is calculated for each HEX by tallying all work VMTs generated by both internal and external workers traveling to the HEX to work and dividing by the total number of jobs in that HEX. SACOG has made updates to this map since 2020, as data has been updated.

The Project is an employment-generating project and the Work VMT per Job map is thus applicable. Based on the most current map, the Project would be located between two HEXs. The HEX encompassing the northern half of the site generates approximately 81.0% of the regional average work VMT per job. The HEX encompassing the southern half of the site generates approximately 88.2% of the regional average work VMT per job. Because both HEXs cover approximately equal portions of the Project site, it is reasonable to conclude that the Project would generate approximately 84.6% of the regional average work VMT per job, or an average of the two HEXs. This value correlates to an average work VMT per job of 18.02.

SACOG's HEX maps show that the workplace VMT per job for the Project would fall below the 85% threshold used to typically identify a significant VMT impact, as described in the OPR Technical Advisory on Evaluating Transportation Impacts in CEQA (2018). Because work VMT would be less than the recommended threshold of significance, the impact would be less than significant, and no mitigation is required.

- c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant. The Project proposes to add an additional access driveway along the eastern edge of the site. The Project is not a public facility and there is no public ingress or egress. Neither the temporary increase in truck traffic onto the Project site during construction, nor the ongoing intermittent use of the new proposed access driveways would have a significant impact on the circulation system or roadway safety. The Project does not involve substantial changes in road geometry or incompatible uses. Therefore, the impact is less than significant, and no mitigation is required.

- d) Result in inadequate emergency access?

Less than Significant. As previously described, primary and secondary access would be provided to the Project site via Woodmere Road at the southeast edge of the site as well as along the eastern edge of the site to the adjacent property. These entrance points would provide adequate access to emergency responders in case of a fire or other emergency.

During construction, the Project would install temporary signage alerting drivers of the potential for truck traffic entering and exiting the site. The Project does not propose traffic control to stop, reroute, or block traffic. There would be a *less-than-significant* impact for emergency providers, and no mitigation is required.

3.18 Tribal Cultural Resources

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVIII. Tribal Cultural Resources.				
Has a California Native American Tribe requested consultation in accordance with Public Resources Code Section 21080.3.1(b)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Would the project cause a substantial adverse change in the significance of a Tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.18.1 Environmental Setting

The United Auburn Indian Community (UAIC), Shingle Springs Band of Miwok Indians (SSBMI), Lone Band of Miwok, and Wilton Rancheria are federally recognized Tribes comprised of both Miwok and Maidu (Nisenan) Indians and are traditionally and culturally affiliated with the proposed Project area. Although boundaries with neighboring Tribes were often fluid and overlapping, traditional Nisenan territory extended from the southern boundary beginning below the Consumnes River, north to Gold Lake then west along ridges and canyons to the south fork of the Feather River, then southwest to the Sacred Mountain, 'Estom Yanim (Marysville Buttes), and from the west bank of the Sacramento River east to Kyburz. Today, many descendants of Nisenan still reside on lands once inhabited by their ancestors or on lands set aside for Tribal communities by the federal government in California which may or may not have been traditionally inhabited by their ancestors. The Tribes possess the expertise concerning Tribal cultural resources in the area and are contemporary stewards of their culture and the landscapes. These Tribal communities represent a continuity and endurance of their ancestors by maintaining their

connection to their history and culture. It is the Tribe's goal to ensure the preservation and continuance of their cultural heritage for current and future generations.

Under PRC section 21080.3.1 and 21082.3, SMUD must consult with Tribes traditionally and culturally affiliated with the Project area that have requested formal notification and responded with a request for consultation (PRC 21080.3.1(b)). Consultation is deemed concluded when the parties agree to measures to mitigate or avoid a significant effect on a Tribal cultural resource when one is present (PRC 21080.3.2(b)(1)) or when a party concludes that mutual agreement cannot be reached (PRC 21080.3.2(b)(2)). Mitigation measures agreed on during the consultation process must be included in the environmental document.

Tribal Consultation

On November 29, 2023, SMUD sent notification letters, as required by PRC 21080.3.1(d), to the four Native American Tribes that had previously requested such notifications: Wilton Rancheria, UAIC, SSBMI, and Lone Band of Miwok Indians. The notification included a brief description of the Project and its location.

On November 30, 2023, the Lone Band of Miwok Indians requested that consultation be deferred to other interested tribes, and that if no interested tribes request consultation to reach out again to the Tribe for their consideration of further consultation.

On November 30, 2023, the UAIC stated that no areas of concern were identified through their internal registry, but stated an increased sensitivity is possible due to the Project's proximity to the American River and Lake Natoma, and requested that their unanticipated discovery measures and Traditional Cultural Resources recommendations be utilized.

No additional responses were received.

3.18.2 Discussion

Would the project cause a substantial adverse change in the significance of a Tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American Tribe, and that is:

- a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?

Less than Significant with Mitigation Incorporated. The identification of Tribal cultural resources for this Project by UAIC and the Lone Band of Miwok Indians included a review of pertinent literature and historic maps, and a records search using Tribal historic records and information databases. These Tribal databases are composed of areas of oral history, ethnographic history, and places of cultural and religious significance, including Sacred Lands that are submitted to the NAHC.

The resources shown in this region also include previously recorded indigenous resources identified through the CHRIS NCIC as well as historic resources and survey data. The UAIC reviewed the proposed Project site within their database – UAIC requested the standard mitigation measure for inadvertent discoveries to be included for this Project.

Under the California Register of Historical Resources (CRHR) criterion for a historical resource, the Project would not affect unique ethnic cultural values or religious, sacred uses as the consultation from NAHC did not turn up any sacred lands files. However, in the event Tribal cultural resources are found within the proposed Project site during construction, the standard mitigation measure for inadvertent discoveries, Mitigation Measure 3.18-3, has been included to ensure this impact is ***less-than significant***.

- b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Less than Significant with Mitigation Incorporated. Consultation with UAIC, Wilton Rancheria and SSBMI revealed no known Tribal cultural resources on the Project site as defined in PRC Section 21074; however, the area is potentially sensitive for unknown Tribal cultural resources. Therefore, it is possible that yet-undiscovered Tribal cultural resources could be encountered or damaged during ground-disturbing construction activities. This impact would be ***potentially significant***, and mitigation is required.

Mitigation Measure 3.18-1: Worker Environmental Awareness and Cultural Respect Training and Procedures for Discovery of Potential Tribal Cultural Resources

All construction personnel must receive Tribal Cultural Resources Sensitivity and Awareness Training (Worker Environmental Awareness Program [WEAP]), including field consultants and construction workers. The WEAP shall be developed in coordination with interested Native American Tribes.

The WEAP shall be conducted before any project-related construction activities begin at the Project site. The WEAP will include relevant information regarding sensitive cultural resources and Tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The WEAP will also describe appropriate avoidance and impact minimization measures for cultural resources and Tribal cultural resources that could be located at the Project site and will outline what to do and who to contact if any potential cultural resources or Tribal cultural resources are encountered. The WEAP will emphasize the requirement for confidentiality and culturally appropriate treatment of any discovery of significance to Native Americans and will discuss appropriate behaviors and responsive actions, consistent with Native American Tribal values. The training may be done in coordination with the Project archaeologist.

All ground-disturbing equipment operators shall be required to receive the training and sign a form that acknowledges receipt of the training.

During excavation or other substantial subsurface disturbance activities, all construction personnel must follow procedures and the direction of archeologists and Tribal monitors if any cultural resource materials are observed.

Mitigation Measure 3.18-2: Spot Check Monitoring for Tribal Cultural Resources

SMUD shall invite representatives of UAIC to periodically inspect the active areas of the Project, including any soil piles, trenches, or other disturbed areas. UAIC shall be notified at least 48 hours prior to start of construction.

Mitigation Measure 3.18-3: Unanticipated Discovery of Tribal Cultural Resources

If any suspected TCRs are discovered by any person on site during ground disturbing construction activities all work shall cease within 100 feet of the find, or an agreed upon distance based on the project area and nature of the find. A Tribal Representative from the consulting Tribe or a California Native American tribe that is traditionally and culturally affiliated with a geographic area shall be immediately notified and shall determine if the find is a TCR (PRC §21074). The Tribal Representative will make recommendations for further evaluation and treatment as necessary.

Preservation in place is the preferred option for mitigation of TCRs under CEQA and Tribal protocols, and every effort shall be made to preserve the resources in place, including through project redesign. If adverse impacts to TCRs, unique archeology, or other cultural resources occurs, then consultation with Tribes regarding mitigation contained in the Public Resources Code §21084.3(a) and (b) and CEQA Guidelines §15370 should occur, in order to coordinate for compensation for the impact by replacing or providing substitute resources or environments.

Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, or returning objects to a location within the project area where they will not be subject to future impacts. Permanent curation of TCRs and cultural belongings will not take place unless approved in writing by the consulting Tribe.

Treatment that preserves or restores the cultural character and integrity of a TCR may include paid Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil. These recommendations will be documented in the project record. For any recommendations made by traditionally and culturally affiliated Native American Tribes that are not implemented, a justification for why the recommendation was not followed will be provided in the project record.

SMUD shall preserve TCR's in place, avoid, or minimize impacts to the resource, including, but not limited to, facilitating the appropriate Tribal treatment of the find, as necessary. Treatment that preserves or restores the cultural character and integrity of a TCR may include Tribal Monitoring,

culturally appropriate recovery of cultural objects, and reburial of cultural objects and belongings or cultural soil.

Work at the discovery location cannot resume until all necessary investigation and evaluation of the discovery under the requirements of CEQA, including AB52, have been satisfied.

Mitigation Measure 3.5-2: Procedures for Discovery of Human Remains (Described in Section 3.5, Cultural Resources)

Significance after Mitigation

Implementation of Mitigation Measure 3.18-1, 3.18-2, 3.18-3, and 3.5-2 would reduce impacts to Tribal cultural resources to a ***less than significant*** level.

3.19 Utilities and Service Systems

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIX. Utilities and Service Systems.				
Would the project:				
a) Require or result in the relocation or construction of construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunication facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have insufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a determination by the wastewater treatment provider that serves or may serve the project that it has inadequate capacity to serve the project's projected demand, in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Fail to comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.19.1 Environmental Setting

All utilities necessary to support the Project, including electricity, natural gas, telecommunications, water, sanitary sewer, and stormwater drainage services would be provided to the Project site by way of new connections to existing infrastructure in the immediate Project area. Following is a discussion of each utility service including provider and current capacity to serve new development:

Electricity, Natural Gas, and Telecommunications

Electric service is provided to the Project area by SMUD. Natural gas service is provided by Pacific Gas and Electric (PG&E). Telecommunications services would be provided by AT&T and Comcast/Xfinity. Existing infrastructure is available within public right-of-way adjacent to the Project site.

Water

Water service would be provided to the Project by the City of Folsom Environmental and Water Resources Department via an existing water main located within Shore Court/Woodmere Road. The City's water supply is obtained solely from Folsom Lake and is treated prior to delivery at the City's water treatment plant located on Natoma Street.

Wastewater

Sanitary sewer services would be provided to the Project site by the City of Folsom Wastewater Collection Division, which is responsible for the operation and maintenance of the sewer system, including 271 miles of pipeline and 11 sewer lift stations. The sewer lift stations pump raw wastewater that is collected throughout the City to the Sacramento County Regional Sanitation District Wastewater Treatment Plant (Sacramento Regional WWTP), which is located over 20 miles southwest of the Project site. The Sacramento Regional WWTP treats an average of 135 million gallons per day (mgd) serving a population of 1.6 million in the region (Regional San 2023).

Stormwater Drainage

The City's stormwater drainage system is operated and maintained by its Public Works Streets Division and includes 190 miles of pipe, 23 miles of natural drainage channels and creeks, 30 flood control and/or water quality detention basins, and more than 200 outfalls to creeks and rivers.

Solid Waste

Solid waste, recyclable materials, and compostable materials are collected and transported by the City's Public Works Department to the Sacramento County Landfill located on Kiefer Boulevard (Kiefer Landfill). The Kiefer Landfill has a permitted disposal area of 660 acres and is permitted to accept up to a maximum of 10,815 tons of waste per day. Recently expanded, the Kiefer Landfill has a total permitted capacity of 117,400,000 cubic yards. According to the California Department of Resources Recycling and Recovery (CalRecycle 2024), the facility has a remaining capacity of 112,900,000 cubic yards, or 96 percent.

3.19.2 Discussion

- a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunication facilities, the construction or relocation of which could cause significant environmental effects?

Less than Significant with Mitigation Incorporated. The Project site is within a developed business park. All utilities exist within the adjacent public right-of-way at sufficient capacities to serve the proposed facility. The Project would not require the construction of new or the relocation of existing offsite facilities and would not exceed the capacities of any utility systems requiring their expansion, with the exception of the required relocation of the existing drainage infrastructure within the Project site. The relocation of drainage facilities would place all accesses within existing public right of way, as required by the City of Folsom's Environmental & Water Resources Department. The potential environmental effects of onsite construction, including the installation of water and sewer lines and construction of the proposed drainage easement and associated facilities are identified throughout this document and, where necessary, mitigation measures are provided to reduce them to less than significant levels. These include Mitigation Measure 3.3-1, which requires adherence to all applicable SMAQMD construction emissions control practices; Mitigation Measure 3.4-1, which requires various measures to avoid impacts to special-status species and habitats; Mitigation Measures 3.5-1 and 3.5-2, which provide procedures to avoid impacts to cultural resources and human remains; and, Mitigation Measures 3.18-1 through 3.18-3, which provide procedures to avoid impacts to tribal cultural resources. The full text of these measures is provided in the applicable technical sections of this initial study for each.

Mitigation Measure 3.3-1. Implement SMAQMD Emissions Controls and BMPs.

Mitigation Measure 3.4-1. Impacts to Special-Status Species, Sensitive Habitats, and Aquatic Resources.

Mitigation Measure 3.5-1. Worker Environmental Awareness and Cultural Respect Training and Procedures for Inadvertent Discovery of Cultural Resources.

Mitigation Measure 3.5-2. Procedures for Discovery of Human Remains.

Mitigation Measure 3.18-1. Worker Environmental Awareness and Cultural Respect Training and Procedures for Discovery of Potential Tribal Cultural Resources.

Mitigation Measure 3.18-2. Spot Check Monitoring for Tribal Cultural Resources.

Mitigation Measure 3.18-3. Unanticipated Discovery of Tribal Cultural Resources.

Significance After Mitigation

The mitigation measures listed above would reduce this impact to a less than significant level by requiring implementation of various measures during construction activities to avoid or minimize adverse effects to air quality, biological resources, cultural resources, and tribal cultural resources. With implementation of these measures, this impact would be less than significant.

- b) Have insufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?

Less than Significant. The Project proposes an office use with limited staffing and would have a correspondingly low water demand compared to offices of similar size. Given that the Project would be consistent with the City's General Plan zoning and land use designation, water demand associated with buildup of the Project site with an office use has been anticipated by the City and accounted for in regional planning efforts, including development of the City's 2020 Urban Water Management Plan (UWMP). According to the 2020 UWMP, which projects limited population growth for Folsom West until stagnating after 2030, water supplies are projected to meet expected demand for normal year, single-dry year, and multiple-dry year scenarios through 2045 (City of Folsom 2021). Therefore, sufficient water supplies would be available to serve the Project and this impact would be less than significant.

- c) Result in a determination by the wastewater treatment provider that serves or may serve the project that it has inadequate capacity to serve the project's projected demand, in addition to the provider's existing commitments?

Less than Significant. The Project would be served by the City's public wastewater collection and treatment system and would connect with an existing sewer line in the adjacent public right-of-way along Shore Court/Woodmere Road. As an office use, the Project would generate a low level of wastewater and would not exceed the existing capacity of either the City's conveyance system or Regional San's WWTP. Furthermore, given that the Project would be consistent with the City's General Plan land use designation, wastewater generated by a business use operating on the Project site has been anticipated by the City and County and was accounted for in regional planning efforts. Therefore, adequate wastewater system capacity is available to serve the Project and this impact would be less than significant.

- d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?
- e) Fail to comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less than Significant. The Project would cause a temporary increase in the generation of solid waste during construction; however, project construction waste is not expected to be substantial as no demolition would be required. The Project would be subject to the City's Construction and Demolition Debris Ordinance (Municipal Code Chapter 8.30), which requires submittal of a waste management plan identifying the selected waste hauler and describing how the Project would meet the diversion requirements. Once constructed, the Project would not be expected to generate significant solid waste. Furthermore, the site has been designated for development for many years and would have been accounted for in long range plans for solid waste service and disposal.

3.20 Wildfire

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XX. Wildfire.				
Is the project located in or near state responsibility areas or lands classified as high fire hazard severity zones?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require the installation of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.20.1 Environmental Setting

The Project site is not located in a fire hazard severity zone (CAL FIRE 2024). The Project site is within a Local Responsibility Area (CAL FIRE 2024). Local Responsibility Areas are incorporated cities and urban regions, agriculture lands, and portions of the desert where the local government is responsible for wildfire protection (CAL FIRE 2022). The Project site is primarily surrounded by existing industrial land uses with the American River Parkway and Lake Natoma to the west. The Folsom Fire Department provides fire protection and emergency rescue services in the Project area. Folsom Fire Department Station No. 35 is located at 535 Glenn Drive, approximately 1.5 miles northeast of the Project site. Additionally, Folsom Fire Department Station No. 37 is located approximately 3 miles east of the Project area (City of Folsom 2024).

3.20.2 Discussion

- a) Substantially impair an adopted emergency response plan or emergency evacuation plan?
- b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?
- c) Require the installation of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?
- d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact. The Project would not exacerbate wildfire risks because the Project site is not located within a fire hazard severity zone and would not expose people or structures to wildfire risks. Construction equipment would be stored away from vegetation that could provide fire fuel if ignited. In addition, vegetation would be removed or trimmed on the Project site, as needed, to ensure that construction activities do not increase risks associated with wildfires. Thus, the Project would not affect the potential for wildfires to ignite or spread within areas surrounding the Project site. There would be no impact, and no mitigation is required.

3.21 Mandatory Findings of Significance

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XXI. Mandatory Findings of Significance.				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.21.1 Discussion

- a) **Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?**

Less than Significant with Mitigation Incorporated. As discussed in Section 3.4, "Biological Resources," of this IS/MND, the Project has potential to adversely affect special status species, including the monarch butterfly, valley elderberry longhorn beetle, northwestern pond turtle, Swainson's hawk and Other Nesting Birds. Potentially significant impacts would be reduced to a less than significant level with implementation of Mitigation Measure 3.4-1.

As discussed in Section 3.5, “Cultural Resources,” proposed ground-disturbing activity for Project construction could result in the disturbance of undiscovered archaeological materials or remains. Mitigation Measures 3.5-1 and 3.5-2 would reduce potential impacts to archaeological resources and/or human remains discovered during Project construction activities to a ***less than significant*** level by requiring construction worker training, and, in the case of a discovery, preservation options (including data recovery, mapping, capping, or avoidance) and proper curation if significant artifacts are recovered. Similarly, in Section 3.18, “Tribal Cultural Resources,” proposed ground-disturbing activity for Project construction could result in the disturbance of undiscovered Tribal cultural resources. Mitigation Measures 3.18-1 would reduce potential impacts to Tribal cultural resources discovered during Project construction activities to a ***less than significant*** level by requiring construction worker training, and, in the case of a discovery, preservation options or other options, including reburial or culturally appropriate recovery, mapping, capping, or avoidance).

- b) Does the project have impacts that are individually limited, but cumulatively considerable?**
("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less than Significant. The Project is not growth inducing and impacts would primarily be related to construction activities. Project impacts would be individually limited due to the temporary and site-specific nature of the potential impacts. Potential short-term, cumulative impacts would only occur if construction of the Project occurred simultaneously with other projects in the area, which is not anticipated. Therefore, Project impacts would not combine with the impacts of other cumulative projects to result in a cumulatively considerable impact on the environment as a result of project implementation. Therefore, this impact would be ***less than significant***.

- c) Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?**

Less than Significant with Mitigation Incorporated. The Project would have potentially significant impacts related to air quality, biological resources, cultural resources, Tribal cultural resources, and Utilities and Service Systems. However, all of these impacts would be reduced to less than significant levels with incorporation of the mitigation measures included in the respective section discussions above. These measures include Mitigation Measure 3.3-1, which would reduce air quality emissions, Mitigation Measures 3.5-1 and 3.5-2, which, as described previously, would reduce potential impacts to archaeological and/or human remains, as well as Mitigation Measures 3.18-1, 3.18-2, and 3.18-3, which would implement procedures for the discovery of tribal cultural resources. No other direct or indirect impacts on human beings were identified in this IS/MND. Therefore, this impact would be ***less than significant***.

4.0 ENVIRONMENTAL JUSTICE EVALUATION

4.1 Introduction

At present, there are no direct references to the evaluation of environmental justice (EJ) as an environmental topic in the Appendix G Environmental Checklist, CEQA statute, or State CEQA Guidelines; however, requirements to evaluate inconsistencies with general, regional, or specific plans (State CEQA Guidelines Section 15125[d]) and determine whether there is a “conflict” with a “policy” “adopted for the purpose of avoiding or mitigating an environmental effect” (Environmental Checklist Section XI[b]) can implicate EJ policies. As additional cities and counties comply with Senate Bill (SB) 1000 (2016), which requires local jurisdictions to adopt EJ policies when two or more general plan elements are amended, environmental protection policies connected to EJ will become more common.

“Environmental Justice” is defined in California law as the fair treatment and meaningful involvement of people of all races, cultures, incomes, and national origins with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations, and policies (California Government Code Section 30107.3[a]). “Fair treatment” can be defined as a condition under which “no group of people, including racial, ethnic, or socioeconomic group, shall bear a disproportionate share of negative environmental consequences resulting from industrial, municipal, and commercial operations or the execution of federal, state, local, and tribal programs and policies” (USEPA 2011).

SMUD created the Sustainable Communities Initiative, which encompasses the framework of EJ, to help bring environmental equity and economic vitality to all communities in SMUD’s service area with special attention to historically underserved neighborhoods. The initiative focuses on the development of holistically sustainable neighborhoods through partnerships and collaboration. The goal of this effort is to ensure the advancement of prosperity in the Sacramento region regardless of zip code or socioeconomic status by focusing on equitable access to mobility, a prosperous economy, a healthy environment, and social well-being. To support the initiative, SMUD teams are working internally and with community partners to improve equitable access to healthy neighborhood environments, energy efficiency programs and services, environmentally friendly transit modes (including electric vehicles), and energy-related workforce development and economic development prospects. To the extent these goals seek to avoid environmental impacts affecting vulnerable communities, the State CEQA Guidelines already require consideration of whether a proposed project may conflict with goals that support sustainable communities. The following analysis has been provided by SMUD, as a proactive evaluation in excess of CEQA requirements, to identify any localized existing conditions to which the Project, as proposed, may worsen adverse conditions and negatively impact the local community, and identify the need for implementation of additional site or local considerations, where necessary. Environmental justice issues are being considered in this CEQA document to help inform decision makers about whether the Project supports SMUD's goal of helping to advance environmental justice and economic

vitality to all communities in SMUD's service area with special attention to historically underserved neighborhoods.

4.2 Regulatory Context

California legislation, state agency programs, and guidance have been issued in recent years that aim to more comprehensively address EJ issues, including SB 1000 (2016), SB 535 (2012) and AB 1550 (2016), AB 617 (2017), the California Department of Justice Bureau of Environmental Justice, the California Communities Environmental Health Screening Tool (CalEnviroScreen), and the Governor's Office of Planning and Research's (OPR's) 2020 General Plan Guidelines, Environmental Justice Element. In particular, SB 1000 has provided an impetus to more broadly address EJ; coupled with the existing requirements of CEQA, it is now time to elevate the coverage of significant environmental impacts in the context of EJ in environmental documents. These other bills have also provided the necessary policy direction to address EJ under CEQA.

4.2.1 Senate Bill 1000

SB 1000, which was enacted in 2016, amended California Government Code Section 65302 to require that general plans include an EJ element or EJ-related goals, policies, and objectives in other elements of general plans with respect to disadvantaged communities (DACs) beginning in 2018. The EJ policies are required when a city or county adopts or revises two or more general plan elements and the city or county contains a DAC. EJ-related policies must aim to reduce the disproportionate health risks in DACs, promote civic engagement in the public decision-making process, and prioritize improvements that address the needs of DACs (CCR Section 65302[h]). Policies should focus on improving the health and overall well-being of vulnerable and at-risk communities through reductions in pollution exposure, increased access to healthy foods and homes, improved air quality, and increased physical activity.

4.2.2 Senate Bill 535 and Assembly Bill 1550

Authorized by the California Global Warming Solutions Act of 2006 (AB 32), the cap-and-trade program is one of several strategies that California uses to reduce GHGs that cause climate change. The state's portion of the cap-and-trade auction proceeds are deposited in the Greenhouse Gas Reduction Fund (GGRF) and used to further the objectives of AB 32. In 2012, the California Legislature passed SB 535 (de Leon), directing that 25 percent of the proceeds from the GGRF go to projects that provide a benefit to DACs. In 2016, the legislature passed AB 1550 (Gomez), which now requires that 25 percent of proceeds from the GGRF be spent on projects located in DACs. The law requires the investment plan to allocate (1) a minimum of 25 percent of the available moneys in the fund to projects located within and benefiting individuals living in DACs; (2) an additional minimum of 5 percent to projects that benefit low-income households or to projects located within, and benefiting individuals living in, low-income communities located anywhere in the state; and (3) an additional minimum of 5 percent either to projects that benefit low-income households that are outside of, but within 0.5 mile of, DACs, or to projects located within the boundaries of, and benefiting individuals living in, low-income communities that are outside of, but within 0.5 mile of, DACs.

4.2.3 Assembly Bill 617

AB 617 of 2017 aims to help protect air quality and public health in communities around industries subject to the state's cap-and-trade program for GHG emissions. AB 617 imposes a new state-mandated local program to address nonvehicular sources (e.g., refineries, manufacturing facilities) of criteria air pollutants and toxic air contaminants. The bill requires ARB to identify high-pollution areas and directs air districts to focus air quality improvement efforts through the adoption of community emission reduction programs in these identified areas. Currently, air districts review individual stationary sources and impose emissions limits on emitters based on best available control technology, pollutant type, and proximity to nearby existing land uses. This bill addresses the cumulative and additive nature of air pollutant health effects by requiring communitywide air quality assessment and emission reduction planning, called a community risk reduction plan in some jurisdictions. ARB has developed a statewide blueprint that outlines the process for identifying affected communities, statewide strategies to reduce emissions of criteria air pollutants and toxic air contaminants, and criteria for developing community emissions reduction programs and community air monitoring plans.

4.2.4 California Department of Justice's Bureau of Environmental Justice

In February 2018, California Attorney General Xavier Becerra announced the establishment of a Bureau of Environmental Justice within the Environmental Section at the California Department of Justice. The purpose of the bureau is to enforce environmental laws, including CEQA, to protect communities disproportionately burdened by pollution and contamination. The bureau accomplishes this through oversight and investigation and by using the law enforcement powers of the Attorney General's Office to identify and pursue matters affecting vulnerable communities.

In 2012, then Attorney General Kamala Harris published a fact sheet, titled "Environmental Justice at the Local and Regional Level," highlighting existing provisions in the California Government Code and CEQA principles that provide for the consideration of EJ in local planning efforts and CEQA. Attorney General Becerra cites the fact sheet on his web page, indicating its continued relevance.

4.2.5 California Communities Environmental Health Screening Tool

CalEnviroScreen Version 4.0 is a mapping tool developed by the Office of Environmental Health Hazards Assessment (OEHHA) to help identify low-income census tracts in California that are disproportionately burdened by and vulnerable to multiple sources of pollution. It uses environmental, health, and socioeconomic information based on data sets available from state and federal government sources to produce scores for every census tract in the state. Scores are generated using 20 statewide indicators that fall into four categories: exposures, environmental effects, sensitive populations, and socioeconomic factors. The exposures and environmental effects categories characterize the pollution burden that a community faces, whereas the sensitive populations and socioeconomic factors categories define population characteristics.

CalEnviroScreen prioritizes census tracts, based on their combined pollution burden and population characteristics score, from low to high. A percentile for the overall score is then calculated from the ordered values. The California Environmental Protection Agency has designated the top 25 percent of highest scoring tracts in CalEnviroScreen (i.e., those that fall in or above the 75th percentile) as DACs, which are targeted for investment proceeds under SB 535, the state's cap-and-trade program.

4.2.6 Governor's Office of Planning and Research's 2020 Updated EJ Element Guidelines

OPR published updated General Plan Guidelines in June 2020 that include revised EJ guidance in response to SB 1000. OPR has also published example policy language in an appendix document along with several case studies to highlight EJ-related policies and initiatives that can be considered by other jurisdictions. Section 4.8 of the General Plan Guidelines contains the EJ guidance. The guidelines offer recommendations for identifying vulnerable communities and reducing pollution exposure related to health conditions, air quality, project siting, water quality, and land use compatibility related to industrial and large-scale agricultural operations, childcare facilities, and schools, among other things. It provides many useful resources, including links to research, tools, reports, and sample general plans.

4.3 Sensitivity of Project Location

4.3.1 Community Description

As part of its Sustainable Communities Initiative, SMUD created and maintains the Sustainable Communities Resource Priorities Map 2.0.⁴ which reflects several data sets related to community attributes that SMUD uses to identify historically underserved communities. One of the key components of the map is the California Communities Environmental Health Screening Tool (CalEnviroScreen Version 4.0), which identifies communities facing socioeconomic disadvantages or health disadvantages such as multiple sources of pollution. The Sustainable Communities Resource Priorities map provides an analysis of current data sets to indicate areas ranging from low to high sensitivity and can be used to describe the relevant socioeconomic characteristics and current environmental burdens of the Project area. This map analyzes current data to indicate the local areas most likely to be underserved or in distress from environmental burdens, lack of community development, income, housing, employment opportunities, transportation, and more. SMUD has determined that it would evaluate EJ effects for projects located in, adjacent to, or proximate to (e.g., within 500 feet of) a high-sensitivity area as shown on the Sustainable Communities Resource Priorities Map or located in a census tract with a CalEnviroScreen score of 71 percent or greater. The map was launched in 2020 and updated in December 2022.

⁴ The Sustainable Communities Resource Priorities Map is Available:
<https://smud.maps.arcgis.com/apps/MapJournal/index.html?appid=1a42c034497c47b0b3c3c84f10c7d541>.

The Project site is located in a medium-low (on a scale of low, medium-low, medium, medium-high, and high) sensitivity area per the Sustainable Communities Resource Priorities Map (SMUD 2022). The nearest high-sensitivity area is located more than 15 miles east of the Project site in Folsom.

The Project site is located within the census tract of 6067008504, which was in the 18th percentile for the overall CalEnviroScreen score, indicating that the area is not substantially burdened by vulnerabilities due to environmental pollutants. The results for each indicator range from 0-100 and represent the percentile ranking of census tract 6067008504 relative to other census tracts.

The CalEnviroScreen score is driven by environmental conditions such as multiple potential exposures to pollutants and adverse environmental conditions caused by pollution, and high health and socioeconomic vulnerability to pollution. The pollution burden of the Project census tract is in the 33rd percentile, with the most significant indicators being traffic and Diesel Particulate Matter. These exposures and consequent environmental conditions caused by pollution are expected in this area due to the current land uses and proximity to major arterial roads and highways. The population characteristics of the Project census tract that contribute to the community's pollution burden and vulnerability fell within the 14th percentile, with the most significant indicator being cardiovascular disease.

Additional indicators were utilized by the Sustainable Communities Resource Priorities Map in identifying and targeting communities with a greater sensitivity to social, economic, and environmental vulnerabilities. These other sources, which are used as tools for targeting economic development, indicated that the Project site is not located in an Opportunity Zone, a Sacramento Promise Zone, or designated as a Disadvantaged Community by state Senate Bill 535. Additionally, the Project site is not designated as an area with consistent high rates of poor health outcomes on the Health Equity index by Be Healthy Sacramento and the Healthy Sacramento Coalition, or designated by the Health Resources & Services Administration (HRSA) as a Medically Underserved Area or as having a Medically Underserved Population.

The Centers for Disease Control and Prevention/Agency for Toxic Substances and Disease Registry (CDC/ATSDR) Social Vulnerability Index (SVI) identifies areas with a population that is highly vulnerable and susceptible to harm from exposure to a hazard, and its ability to prepare for, respond to, and recover from hazards. The Project site is located in a low sensitivity area for social vulnerability according to the CDC/ATSDR SVI. This means that the area surrounding the Project site does not experience high levels of social vulnerability.

4.3.2 Environmental Conditions

This discussion references the analysis conducted in the Environmental Checklist of the IS/MND and provides additional detail with respect to the current environmental conditions in the Project area. The focus of this discussion is on environmental justice issues relevant to the Project.

- **Aesthetics:** The visual characteristics of the Project site and adjacent uses are an existing or planned employment center land uses. The area immediately surrounding the Project site is relatively flat and developed for office industrial uses or open space to the west. The Project area does include a scenic vistas around the Folsom Lake SRA but does not contain designated scenic highway.
- **Air Quality:** The Project site is located in Sacramento County, which is currently designated as nonattainment for both the federal and state ozone standards, the federal PM_{2.5} standard, and the state PM₁₀ standard. The region is designated as in attainment or being unclassifiable for all other NAAQS and CAAQS (ARB 2023). Air quality in Sacramento County is influenced by a variety of factors, including topography, local and regional meteorology.
- **Cultural Resources:** The Project site is within a district that contains historic resources with some resources occurring near and within the Project site.
- **Energy:** The Project area is served by SMUD, which offers the Greenergy program with electricity generated by 100 percent renewable and carbon free resources.
- **Greenhouse Gas Emissions and Climate Change Vulnerabilities:** GHG emissions in the region are associated primarily with transportation (passenger vehicles and heavy-duty vehicles are top contributors), followed by industrial/manufacturing activities, electricity generation and consumption, residential and commercial on-site fuel use, and agriculture (including livestock) (ARB 2022). As the climate changes, the Project area would likely be subject to increased heat stress and increased risk of flooding.
- **Hazards and Hazardous Materials:** There are no recognized environmental conditions or known hazards in the Project vicinity.
- **Noise:** Noise sources in the Project area include vehicle and highway traffic, as well as noise associated with nearby industrial operations. Sensitive receptors (i.e., residences) are located adjacent to the east of the Project site, across Folsom Boulevard to the east of the Project site.
- **Public Services:** Public services such as police and fire protection are available in the area.
- **Recreation:** The Project site is within the City of Folsom within an area of abundant recreational facilities. The nearest developed park is the Natoma Station Neighborhood Park and Ernie Sheldon Youth Sports Park about one half mile east of the Project site on Natoma Station Drive. The lake and adjacent Jedidiah Smith Memorial Trail are part of the American River Parkway and the Folsom Lake State Recreation Area.
- **Transportation:** The Project area includes paved roads, pedestrian sidewalks, bicycle facilities, directly accessible public transit access points (e.g., light rail, bus, and train).

- **Tribal Cultural Resources:** There are no known Tribal cultural resources on or immediately adjacent to the Project site.
- **Utilities:** The Project area is serviced by SMUD for electricity and water is provided by the City of Folsom Environmental and Water Resources Department. Sewer service is provided by the City of Folsom Wastewater Collection Division which conveys wastewater to the Sacramento County Regional Sanitation District Wastewater Treatment Plant.

4.4 Evaluation of the Project's Contribution to a Community's Sensitivity

The Project consists of constructing and operating a new administrative operations facility that would replace the existing administrative operations facility at the SMUD Headquarters Campus. Following construction of all Project features and transmission of administrative operations to the new project, the new administrative operations facility would operate in a manner substantially similar to existing conditions. The Project's contributions to the community's sensitivity are as follows:

- **Aesthetics:** Direct public views of the Project would be available from Woodmere Road, and areas to the east, and Lake Natoma and the Folsom Lake SRA. There would be temporary and minor modification of views in the Project area during construction activities due to the presence of construction equipment and the Project would add to views of existing developed areas adjacent to the Folsom Lake SRA. Impacts to public viewers is considered less than significant.
- **Air Quality:** Excavation and general construction activities would be required during project construction. This would result in emissions of DPM and fugitive dust at the Project site, as discussed in Section 3.3., Air Quality. Considering the highly dispersive properties of diesel PM, the relatively low mass of diesel PM emissions that would be generated at any single place during Project construction, and the relatively short period during which diesel-PM-emitting construction activities would take place, construction-related TACs would not expose sensitive receptors to an incremental increase in cancer risk that exceeds 10 in one million. Soil stabilization and dust suppression activities would be used as part of the SWPPP and would satisfy the requirements of Fugitive Dust Rule 403, set forth by SMAQMD, which would minimize emissions of PM₁₀ and PM_{2.5}. These measures would be consistent with the best management practices and best available control technology practices required by SMAQMD.
- **Cultural Resources:** The Project would have a less than significant affect on known cultural resources. Mitigation measures identified in Section 3.5 would be implemented to reduce, to the extent feasible, significant impacts to any inadvertent discoveries.
- **Energy:** The Project would not affect access to electricity because electrical service would be maintained throughout construction. Temporary use of grid-sourced energy and other fuel

consumption would be associated with construction and decommissioning work. Operation and maintenance of the administrative operations facility would require on-site electricity and periodic utilization of fuels.

- **Greenhouse Gas Emissions and Climate Change Vulnerabilities:** Project operation would not generate substantial GHG emissions. The Project would generate less-than-significant volumes of GHGs during construction from the use of heavy-duty off-road construction equipment and vehicle use for worker commutes. The Project would not worsen the area's flooding vulnerabilities because it would not affect the area's topography or levee system.
- **Hazards and Hazardous Materials:** The use and handling of hazardous materials during construction would be conducted in a manner consistent with existing regulations, including CCR Title 27.
- **Noise:** Noise would be generated during construction, but it would be temporary. No substantial increases in ambient noise levels at sensitive receptors in the area would occur.
- **Public Services:** As the majority of construction activities would occur on private property, the Project would not interrupt or otherwise affect the provision of public services to the area. The Project would not increase the demand for fire or police protection services.
- **Recreation:** The Project would not affect any parks or recreational opportunities.
- **Transportation:** The Project would not affect existing roadways, public transit access points, or bike lanes.
- **Tribal Cultural Resources:** The Project would not affect known Tribal cultural resources. Mitigation measures identified in Sections 3.18 would be implemented to reduce, to the extent feasible, significant impacts to any inadvertent discoveries.
- **Utilities:** The Project would not adversely affect provision of utilities to existing and future uses in the Project area. The Project is intended to ensure continued and reliable electrical service within the SMUD service area, and no interruption or reduction in service capacity would occur as a result of the Project.

As described for each environmental resource area, the Project would not contribute to the community's current sensitivity.

4.5 Summary of Environmental Justice Assessment

Per SMUD's Sustainable Communities Resource Priorities Map which reflects several data sets related to community attributes that SMUD uses to identify historically underserved communities, the Project site is located in a medium-low sensitivity area (SMUD 2022). The

Project does not have the potential to affect the community and/or worsen existing adverse environmental conditions. Therefore, ***no existing environmental justice conditions would be worsened*** as a result of the Project.

Although the Project would not worsen existing environmental justice conditions, as a leader in building healthy communities, one of SMUD's Sustainable Communities goals is to help bring environmental equity and economic vitality to all communities. By investing in underserved neighborhoods and working with community partners, SMUD is part of a larger regional mission to deliver energy, health, housing, transportation, education and economic development solutions to support sustainable communities. The following Sustainable Communities programs sponsored by SMUD serve the Project area.

- SMUD partners with the Sacramento Tree Foundation to provide free shade trees to beautify neighborhoods and improve air quality throughout Sacramento County.
- SMUD offers Energy HELP to assist qualified customers who cannot pay their bill due to financial hardship and who are at risk of having their power turned off. 100 percent of contributions go directly to pay a recipient's electric bill through partnerships with community charities.
- SMUD offers the Energy Careers Pathways program which brings education, workforce development and renewable energy to underserved communities in Sacramento County.

5.0 LIST OF PREPARERS

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Jerry Park..... Environmental Management Specialist

ENVIRONMENTAL SCIENCE ASSOCIATES (ESA)

Michael Manka..... Project Director

Jon Teofilo. Project Manager/ CEQA Specialist

Brian Boxer..... Senior Advisor

Juliana Medan..... Environmental Planner

Ethan Wynacht Environmental Planner

Nicholas Reynoso Noise Analyst

Joneil Manansala..... Air Quality, Greenhouse Gas Emissions, and Energy Analyst

Amirhosein Mousavi Senior Air Quality, Greenhouse Gas Emissions, and Energy Analyst

Eryn Pimentel..... GIS Analyst

Ron Tietel Graphic Artist

BENCHMARK RESOURCES

Bruce Steubing. Principal/Project Manager

Kristin Faoro Environmental Planner

Quinn Booker Graphics Specialist

Katharina McKillip Documentation Specialist

BARGAS ENVIRONMENTAL CONSULTING

Lily Arias Principal Investigator/ Cultural Resources Specialist

Austin Dietrich..... Archaeologist

Steven Johnson Biologist

6.0 REFERENCES

Chapter 1, “Introduction”

No sources are cited in this section.

Chapter 2, “Project Description”

No sources are cited in this section.

Section 3.1, “Aesthetics”

California Department of Transportation (Caltrans). 2024. *California Scenic Highway System Map*.

Available at:

<https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Accessed March 3, 2024.

Section 3.2, “Agriculture and Forestry Resources”

California Department of Conservation. 2018. California Important Farmland Finder.

Available: <https://maps.conservation.ca.gov/DLRP/CIFF/>. Accessed March 2024.

California Natural Resources Agency. 2021. Statewide Crop Mapping Open GIS Data.

Available: <https://data.cnra.ca.gov/dataset/statewide-crop-mapping>. Accessed March 2024

Section 3.3, “Air Quality”

California Air Resources Board (CARB), 2024a. Air Quality Data Statistics. Available: <https://www.arb.ca.gov/adam>. Accessed March 2024.

California Air Resources Board (CARB), 2024b. Diesel Particulate Matter Health Impacts. Available: <https://ww2.arb.ca.gov/resources/summary-diesel-particulate-matter-health-impacts>. Accessed March 2024.

Sacramento Metropolitan Air Quality Management District (SMAQMD), 2020. Guide to Air Quality Management in Sacramento County. Available: <https://www.airquality.org/residents/ceqa-land-use-planning/ceqa-guidance-tools>. Accessed March 2024.

U.S. Environmental Protection Agency (USEPA). 2024. Criteria Air Pollutants: NAAQS Table. Available: <https://www.epa.gov/criteria-air-pollutants/naaqs-table>. Accessed March 2024.

Section 3.4, “Biological Resources”

American Fisheries Society (AFS). 2013. Common and Scientific Names of Fishes from the United States, Canada, and Mexico, 7th edition. Special Publication 34.

American Ornithological Society (AOS). 1998. Checklist of North American Birds (and supplements). American Ornithologists Union and American Ornithological Society.

American Society of Mammalogists. 2020. Mammal Diversity Database (Version 1.2) [Data set]. Zenodo. <http://doi.org/10.5281/zenodo.4139818>

California Department of Fish and Wildlife (CDFW). California Interagency Wildlife Task Group. 2014. CWHR version 9.0 personal computer program. Sacramento, CA.

City of Folsom. 2018. Final Program Environmental Impact Report (SCH# 2017082054) for the Folsom General Plan 2035. May 2018.

Jepson Flora Project (eds.) 2021. Jepson eFlora, <https://ucjeps.berkeley.edu/eflora/>

SWRCB. 2021. State Policy for Water Quality Control: State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State. State Water Resources Control Board, p. 28, “Clean Water Act Jurisdiction - Following the U.S. Supreme Court’s Decision in Rapanos v. United States & Carabell v. United States 2008.”

Section 3.5, “Cultural Resources”

AECOM. 2023. SMUD Power Control Center Cultural Records Search: Cultural Summary of California Historical Resources Information System Records Search. June 2, 2023.

California Department of Conservation. 2015. Geologic Map of California. Electronic document, <https://maps.conservation.ca.gov/cgs/gmc/>. Accessed March 05, 2024

California State Parks Office of Historic Preservation. 2024. Built Environment Resource Directory (BERD) for Sacramento County. Electronic Document, https://ohp.parks.ca.gov/?page_id=30338. Accessed March 11, 2024.

Johnson, Jerald J. 1972. Status of Archeological Resources in Sacramento County – Overview. On file at the North Central Information Center, Sacramento State University, Sacramento California (S-).

NETRonline. 2024. Historic Aerials Online <https://www.historicaerials.com/viewer>

Peak, Ann S. 1978. Cultural Resource Assessment of the ESS Project, Sacramento County, CA. On file at the North Central Information Center, Sacramento State University, Sacramento, CA (S-000211).

Phillips, Ben. 1992. Western Area Power Administration Sacramento Area Operations Center: Lake Forest and Tributary Point Sites. On file at the North Central Information Center, Sacramento State University, Sacramento California (S-003750).

USGS and ESRI. 2024. Historical Topographic Map Explorer. USGS Historical Topographic Map Explorer (arcgis.com) (arcgis.com). Accessed March 11, 2024.

Section 3.6, “Energy”

California Emissions Estimator Model (CalEEMod), Version 2022.1. 2024.

California Energy Commission (CEC), 2023. 2022 California Annual Retail Fuel Outlet Report Results (CEC-A15). Available at: <https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-retail-fuel-outlet-annual-reporting>. Accessed March 2024.

California Energy Commission (CEC), 2024. Electricity Consumption by County. Available at: <http://www.ecdms.energy.ca.gov/elecbycounty.aspx>. Accessed March 2024.

California Energy Commission, 2022a. Total Electricity System Power, 2022 Total System Power in Gigawatt Hours. Available at: <https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2022-total-system-electric-generation>. Accessed March 2024.

California Energy Commission, 2022b. Oil Supply Sources to California Refineries. Available at: <https://www.energy.ca.gov/data-reports/energy-almanac/californias-petroleum-market/oil-supply-sources-california-refineries>. Accessed March 2024.

California Energy Commission, 2021a. Natural Gas Research and Development Program. Available at: <https://www.energy.ca.gov/sites/default/files/2021-06/CEC-500-2018-006.pdf>. Accessed March 2024.

Sacramento Municipal Utility District (SMUD). 2022 Power Content Label. Available at: <https://www.smud.org/SMUDPCL>. Accessed March 2024.

California Department of Tax and Fee Administration, 2024a. Motor Vehicle Fuel 10 Year Report. Available at: <https://www.cdtfa.ca.gov/taxes-and-fees/spftrpts.htm>. Accessed March 2024.

California Department of Tax and Fee Administration, 2024b. Taxable Diesel Gallons 10 Year Report. Available at: <https://www.cdtfa.ca.gov/taxes-and-fees/spftrpts.htm>. Accessed March 2024.

The Climate Registry, 2022. 2022 Default Emission Factors – Table 2.1, U.S. Default Factors for Calculating CO₂ Emissions from Combustion of Transport Fuels, May 2022. Available: <https://theclimateregistry.org/wp-content/uploads/2022/11/2022-Default-Emission-Factors-Final.pdf>. Accessed March 2024.

Section 3.7, “Geology and Soils”

California Department of Conservation (DOC). California Geological Survey (CGS). 2021 (September 23). California Earthquake Hazards Zone Application (EQ Zapp). Accessed at: <https://www.conservation.ca.gov/cgs/geohazards/eq-zapp>. Accessed March 3, 2024.

California Department of Parks and Recreation (California State Parks). 2004 (January). Folsom Lake State Recreation Area Resource Inventory.

University of California Museum of Paleontology (UCMP). 2024. Locality Search. Available at: <https://ucmpdb.berkeley.edu/loc.html>. Accessed March 5, 2024.

Wallace Kuhl & Associates. 2005. Geotechnical Engineering Report.

Section 3.8, “Greenhouse Gas Emissions”

CARB, 2022. 2022 Scoping Plan for Achieving Carbon Neutrality. November 16, 2022. Available at: <https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents>. Accessed March 2024.

Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report, Working Group I Report: The Physical Science Basis. Available: <https://www.ipcc.ch/report/ar4/wg1/>. Accessed March 2024.

Sacramento Metropolitan Air Quality Management District (SMAQMD), 2020. SMAQMD Thresholds of Significance. Available at: <https://www.airquality.org/LandUseTransportation/Documents/CH2ThresholdsTable4-2020.pdf>. Accessed March 2024.

Section 3.9, “Hazards and Hazardous Materials”

Brown and Caldwell. 2023. *Phase I Environmental Site Assessment, Woodmere Road and Shore Court*. August 17, 2023

City of Folsom. Community Development Department. 2023. *Encroachment Permit Minimum Requirements*.

Section 3.10, “Hydrology and Water Quality”

City of Folsom. 2021. 2020 Urban Water Management Plan.

City of Folsom. 2023. Folsom Municipal Code. Available at:
<https://www.codepublishing.com/CA/Folsom/>. Access March 4, 2024.

Federal Emergency Management Agency (FEMA). 2024 (February 22). Flood Insurance Rate Map Panels 06067C0114J and 06067C0118J. Effective February 22, 2024.

Wallace Kuhl & Associates. 2005. Geotechnical Engineering Report.

Section 3.11, “Land Use and Planning”

City of Folsom, 1981. Lake Forest Technical Center Development Standards (Ordinance No. 425).

City of Folsom. 2018. City of Folsom General Plan 2035. Adopted August 28, 2018; Amended August 24, 2021.
<https://www.folsom.ca.us/home/showdocument?id=12958&t=638100643766099105>.

City of Folsom. 2018. Final Program Environmental Impact Report (SCH# 2017082054) for the Folsom General Plan 2035. May 2018.

County of Sacramento. 2008. American River Parkway Plan.

Section 3.12, “Mineral Resources”

California Department of Conservation (DOC). 2018. Mineral Land Classification Map of Concrete Aggregate in the Greater Sacramento Area Production-Consumption Region.

City of Folsom. 2018. Final Program Environmental Impact Report (SCH# 2017082054) for the Folsom General Plan 2035. May 2018.

Section 3.13, “Noise”

California Department of Transportation (Caltrans). 2013a. Technical Noise Supplement to the Caltrans Traffic Noise Analysis Protocol. September 2013.

City of Folsom. 2018. City of Folsom General Plan 2035. Adopted August 28, 2018; Amended August 24, 2021.
<https://www.folsom.ca.us/home/showdocument?id=12958&t=638100643766099105>.

Environmental Science Associates (ESA). 2023. 1200-1340 Old Bayshore Highway Project Environmental Impact Report. February 2023.

Federal Transit Administration (FTA). 2018. Transit Noise and Vibration Impact Assessment Manual. September 2018.
https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf

Sacramento County, 1998. Sacramento County General Plan.
https://sacramento.aero/scas/environment/noise/mather_airport_mhr/noise_contacts2

Section 3.14, “Population and Housing”

California Department of Finance (DOF). 2023. E-1 Population and Housing Estimates for Cities, Counties, and the State – January 1, 2022 and 2023. Accessed February 22, 2024. <https://dof.ca.gov/forecasting/demographics/estimates-e1/>

Section 3.15, “Public Services”

Folsom Cordova Unified School District. 2024. Folsom Cordova Unified School District About Us. Available at: <https://www.fcusd.org/domain/739>. Accessed March 5, 2024.

Folsom Fire Department. 2022. Folsom Fire Department. Available at: <https://www.folsom.ca.us/government/fire>. Accessed March 5, 2024.

Folsom Police Department. 2024. Folsom Police Department Annual Report.

Section 3.16, “Recreation”

No sources are cited in this section.

Section 3.17, “Transportation”

Governor’s Office of Planning and Research, 2018. Technical Advisory on Evaluating Transportation Impacts in CEQA. December 2018.

Sacramento Area Council of Governments (SACOG), 2021. Work Tour Screening Map.

Available at

<https://www.arcgis.com/apps/webappviewer/index.html?id=d2338e53b7524c21aa19001e677f2b82&extent=-13567654.7115%2C4600993.0408%2C-13330394.1757%2C4791168.3671%2C102100>. Accessed. January 16, 2024.

Section 3.18, “Tribal Cultural Resources”

No sources are cited in this section.

Section 3.19, “Utilities and Service Systems”

City of Folsom. 2021 (May 6). 2020 Urban Water Management Plan Public Draft.

Regional San. 2023 (May 15). Regional San’s Monumental Wastewater Treatment Plant Expansion Project Delivered ON Schedule and UNDER Budget. Available at: <https://www.regionalsan.com/press-release/regional-sansmonumental-wastewater-treatment-plant-expansion-project-delivered>. Accessed March 1, 2024.

Section 3.20, “Wildfire”

CAL FIRE, Fire and Resource Management Assessment. 2024. FHSZ Viewer.

Available: <https://egis.fire.ca.gov/FHSZ/>. Accessed March 2024.

CAL FIRE. 2022. Frequently Asked Questions About: 2022 Fire Hazard Severity Zones.

Available: <https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones>.

The City of Folsom. 2024. Fire. Accessed March 2024. Available:

<https://www.folsom.ca.us/government/fire/about-us/fire-station-locations>.

Section 3.21, “Mandatory Findings of Significance”

No sources are cited in this section.

Chapter 4, “Environmental Justice Evaluation”

California Air Resources Board (ARB). 2022. California Greenhouse Gas Emissions Inventory: 2000-2019. Available:

https://ww2.arb.ca.gov/sites/default/files/classic/cc/ca_ghg_inventory_trends_2000-2019.pdf.

California Air Resources Board. 2023. Air Quality Data Statistics. Available:

<https://www.arb.ca.gov/adam>.

EPA. See U.S. Environmental Protection Agency.

Sacramento Municipal Utility District. 2022. Sustainable Communities Resource Priorities Map. Available:
<https://smud.maps.arcgis.com/apps/MapJournal/index.html?appid=1a42c034497c47b0b3c3c84f10c7d541>. Accessed March, 2024.

SMUD. See Sacramento Municipal Utility District.

U.S. Environmental Protection Agency. 2018 (August). Overview of SF6 Emissions Sources and Reduction Options in Electric Power Systems. Available:
https://www.epa.gov/sites/default/files/2018-08/documents/12183_sf6_partnership_overview_v20_release_508.pdf. Accessed April 11, 2023.

U.S. Environmental Protection Agency. 2011 (September). Plan EJ 2014. Available:
<https://nepis.epa.gov/Exe/ZyPDF.cgi/P100DFCQ.PDF?Dockey=P100DFCQ.PDF>. Accessed 2023.

USEPA. See U.S. Environmental Protection Agency.

SSS No.
BOD 2024-006

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date
ERCS – 2024
Board Meeting Date
N/A

TO				TO				
1.	Frankie McDermott			6.				
2.	Suresh Kotha			7.				
3.	Brandy Bolden			8.				
4.	Lora Anguay			9.	Legal			
5.				10.	CEO & General Manager			
Consent Calendar		<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> x	No If no, schedule a dry run presentation.				
FROM (IPR) Brandon Rose / Crystal Henderson			DEPARTMENT Board Office			MAIL STOP B304	EXT. 5424	DATE SENT 01/21/24
NARRATIVE:								
Requested Action: A summary of directives is provided to staff during the committee meeting.								
Summary: The Board requested an ongoing opportunity to do a wrap up period at the end of each committee meeting to summarize various Board member suggestions and requests that were made at the meeting to make clear the will of the Board. The Energy Resources & Customer Services (ERCS) Committee Chair will summarize Board member requests that come out of the committee presentations for this meeting.								
Board Policy: Governance Process GP-4, Board/Committee Work Plan and Agenda Planning states the Board will (<i>Number & Title</i>) “[focus] on the results the Board wants the organization to achieve.”								
Benefits: Having an agendized opportunity to summarize the Board’s requests and suggestions that arise during the committee meeting will help clarify the will of the Board.								
Cost/Budgeted: There is no budgetary impact for this item.								
Alternatives: Not to summarize the Board’s requests at this meeting.								
Affected Parties: Board of Directors and Executive Staff								
Coordination: Crystal Henderson, Special Assistant to the Board of Directors								
Presenter: Brandon Rose, ERCS Chair								

Additional Links:

SUBJECT Energy Resources & Customer Services Summary of Committee Direction	ITEM NO. (FOR LEGAL USE ONLY)
---	-------------------------------

ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.