

DOCKETED

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From: Gregory Darvin [darwin@atmosphericdynamics.com]
Sent: 10/23/2025 5:20:53 PM
To: Wang, Tianyi@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=daf800d05a634d4692c2a2d6bd1127ba-b03e91a7-bf]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Harrison, Joe [joe.harrison@tetrattech.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]; Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]; Hughes, Joseph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd5e80572b644209e9607ba7bdc630-Hughes, Jos]; Ding, Yifan@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=49ee78637b0648578196965a7385b6f2-6d1c78d5-11]; Urry, Doug [doug.urry@tetrattech.com]; Omercajic, Nadan [nadan.omercajic@nexteraenergy.com]
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives
Attachments: cecresponseattachment.pdf

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Hi Tianyi.

Sorry for the late response to your email. Here are the responses:

1. Please provide the Ineris 2022 report which shows the gas yield data in the spreadsheet.

Response: This reference should be removed. The INERIS data was not used in calculating the minimum, maximum, or average values in the lower portion of the table provided in the technical report as Table 4 (attached). The INERIS data in every case represented outliers that were not used.

2. Please provide the specific study/calculation of Hynynen 2023 which gives the battery's gas yield data (in terms of g/g) at SOC 90%, as shown in the spreadsheet.

Response: Please find the attached Hynynen 2023 reports.

3. Please explain why the HCl gas yield data from the studies of Willstrand et al 2020 and Hynynen 2023 were not used.

Response: The data from Willstrand et al 2020 and Hynynen 2023 showed an HCl value of 4600 mg/kg. Data presented in the Ramboll Vistra MBPP OCA for HCl showed a range of values from 263 to 1699 mg/kg, with an average of 1188.7 mg/kg (4.1375 lb/hr). We believe the value of 4600 mg/kg is simply an outlier and therefore it was replaced by the average from the Ramboll report. We also note that data from Baseline Environmental for the Soda Mtn. Solar AQ Report (BESS) shows an emissions factor of 3.803 lbs/hr, which is close to the Ramboll derived data. Therefore, we are confident that the use of averaging the Ramboll data is the best approach to use given the wide range of emission factors from the different reports.

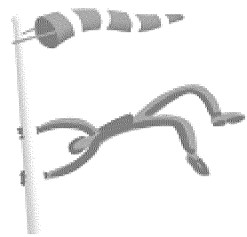
4. One additional question: the studies cited appear to focus on NFC batteries. Do you have any data or references for LFP batteries?

Response: The BESS Data Summary file (attached) represents the extent of the data identified from the various BESS LSFT reports as summarized by ADI as part of the literature review. At this time, we have no additional data or references to LFP batteries.

Gregory Darwin

Atmospheric Dynamics, Inc.

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From: Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>

Sent: Tuesday, October 14, 2025 3:22 PM

To: Gregory Darwin <darwin@atmosphericdynamics.com>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Harrison, Joe <joe.harrison@tetrattech.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Hi Gregory,

Thank you for providing the spreadsheet. We've reviewed the file and have a few follow-up questions:

1. Please provide the Ineris 2022 report which shows the gas yield data in the spreadsheet.
2. Please provide the specific study/calculation of Hynynen 2023 which gives the battery's gas yield data (in terms of g/g) at SOC 90%, as shown in the spreadsheet.
3. Please explain why the HCl gas yield data from the studies of Willstrand et al 2020 and Hynynen 2023 were not used.
4. One additional question: the studies cited appear to focus on NFC batteries. Do you have any data or references for LFP batteries?

Please let us know if you have any problems. Thanks!

Best regards,
Tianyi Wang
10/14/2025

From: Gregory Darwin <darwin@atmosphericdynamics.com>
Sent: Friday, October 10, 2025 5:43 PM
To: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Harrison, Joe <joe.harrison@tetrattech.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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Hi Wenjun.

Attached is the calculation spreadsheet that presents the emission factor data used to formulate the emissions data in Table 2 of the previously submitted report. This spreadsheet expands on our conversation yesterday and presents the averaged data sets used in Table 2. Also as noted in the table, we did use the Ramboll HCl data but the average of the three listed data sets which ranged from a low of 179 mg/kg to 2575 mg/kg.

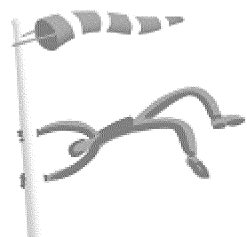
Let me know if you have any questions or need anything else.

Regards.

Gregory Darwin

Atmospheric Dynamics, Inc.

Torres Street 3 SW of Mountain View
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P.O. Box 5907
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From: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>
Sent: Thursday, October 9, 2025 11:16 AM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Gregory Darvin <darvin@atmosphericdynamics.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Thank you, Greg and Nadan. We noticed that the emission factors (in mg/kg) used for Corby are much lower than those used in the Vistra Morro Bay analysis done by Ramboll. For comparison purposes, I included snapshots of the emission factors used for Corby and those used for Vistra Morro Bay. It would be helpful for us if you could explain how you determined to use these emission factors and which reference you used for each TAC. I would prefer to review a detailed written response for each of the TACs, so that we can confirm the numbers. Greg, if you have any questions, please give me a call.

Corby (in Response to DR Set #4):

Table 2 BESS Fire Emissions Conversions and Calculations										
						Site Evaluated:		Corby BESS		
mg/kg to lb/lb battery weight										
Substance >>>>		Hydrogen Fluoride	Hydrogen Chloride	Formaldehyde	Hydrogen Cyanide	Hydrogen Bromide	NH3	NOx	SOx	THC
Enter mg/kg value:		2460	1188.7	500	170	367	20	1426	2375	9800

Vistra Morro Bay (Ramboll 2024):

Table 3-4: Selected emission factors

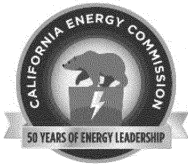
Species	Emission Factor [mg/kg of battery]	Basis
HF	11,320	Study #2. Maximum of all studies reviewed with enough data to derive mg/kg emission factor.
HCl	2,575	Study #9. Maximum of all studies reviewed with enough data to derive mg/kg emission factor.
HCN	1,253	Study #10. Maximum of all studies reviewed with enough data to derive mg/kg emission factor. The study involved testing of batteries of different masses and capacities and reports a representative (or average) emission rate (in g/s). To convert this rate to mass basis, emission factor was derived assuming the smallest battery cell mass considered in the study (0.5 kg). This approach produces the most conservative (maximum) emission factor in mg/kg.
CO	46,228	Study #11. Maximum of all studies reviewed with enough data to derive mg/kg emission factor.

Thanks.

Wenjun Qian, Ph.D., P.E.

Program and Project Supervisor
 Air Quality and Public Health Unit
 Engineering Branch
 Siting, Transmission, and Environmental Protection Division
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California Energy Commission
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From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Sent: Thursday, October 9, 2025 7:36 AM

To: Gregory Darvin <darwin@atmosphericdynamics.com>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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Thank you, Greg. If the subject warrants further discussion based on CEC staff review, we are happy to facilitate a call with the key stakeholders to discuss in detail.

Thanks again,

Nadan Omercajic | Environmental Project Manager

NextEra Energy Resources, LLC

One California Street

San Francisco, CA 94111

Mobile: (415) 770-8214

Nadan.Omercajic@NextEraEnergy.com



From: Gregory Darvin <darwin@atmosphericdynamics.com>

Sent: Wednesday, October 8, 2025 4:44 PM

To: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Hi Wenjun.

The link below contains the requested information from your October 7th email.

The seven zip files (C1-C7.zip) contain the HARP output results for the seven modeling locations as described in the technical report that accompanied the data responses.

The modeling input/output files are also included in the zip file called CorbyChiQModeling.zip which also include the receptor file.

Lastly, the working spreadsheet with the emission calculations are included.

Your question as to the justification, this was simply a unit conversion. The emission factors were originally in mg of emissions per kg of battery weight. This was converted into mg/lb and then lb/lb. So

The Table 2 spreadsheet contains the emission factors from other burn studies from a variety of lithium battery types. As noted in the text, a review of the cell, module, and unit tests, as well as the large-scale burn test did not yield any emissions data on a number of other substances clearly identified as “sampled” in the test report. Graphical data for ethane, ethylene, hydrogen chloride (HCl), hydrogen cyanide (HCN), and hydrogen fluoride (HF) was presented for the large-scale test, but this data in its present form (graphical, not numerical) is not useable for purposes of determining emissions rates. Additionally, the sampling methodology did not allow for calculating a volume or flowrate associated with the graphical concentration data, which is required to calculate mass emission rates.

To supplement the test UL data, additional publicly available emissions data from reports on other BESS projects were reviewed and utilized for this analysis. This data included the use of the following sources:

- Vistra MBPP, OCA, Ramboll, 3/2024
- Baseline Environmental, Soda Mtn. Solar AQ Report, 7/2025
- Island Green Power Limited-Cottam Solar Project, Tetra-Tech, 11/2023 (LFP Battery Test)
- Dudek, Viridi Bess Project, 5/2025
- Dudek, Compass Energy Storage Project, May 2025.
- Fisher Engineering, Tesla Megapack 2, Jan 2023.
- Hithium Block 5 LSFT, UL LLC, 2025
- INERIS, 2022 (2) Willstrand et al., 2020 (3) Hynynen, 2023

The emission factors for hydrogen fluoride (HF), hydrogen chloride (HCL), hydrogen cyanide (HCN), hydrogen bromide (HBr), and formaldehyde (FORM) were developed from these sources and are based on the assumed mass of batteries experiencing a thermal event and the duration over which the emission will occur. The data shows that emissions from battery fires are closely related to the mass change from the battery before and after the fire, known as mass loss. While this data is from a variety of battery technologies which may or may not represent the lithium iron phosphate battery type at the Corby BESS, the emissions data from these studies was adjusted for the specific weights and burn time period (14.5 hours) to align with the CATL EnerC+ Large Scale Burn Test (January 2025). Then, averaged across the tests for each compound and then adjusted for the weights and time period of 14.5 hours to match the UL 9540A Cell Level Test (August 2023). The emissions of both criteria pollutants and hazardous air pollutants were modeled using the average across the tests, for each specific substance. The additional data is presented in Table 2.

 CEC

Gregory Darwin

Atmospheric Dynamics, Inc.

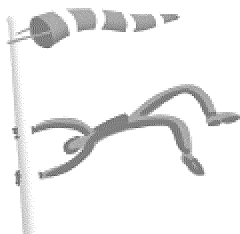
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From: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>

Sent: Tuesday, October 7, 2025 11:18 AM

To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Gregory Darvin <darwin@atmosphericdynamics.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Hi Greg,

Could you please provide the modeling files, along with the spreadsheets used for the emission calculations (Tables 1 and 2 in the data response [TN 266307])? Could you also provide a justification for the emission factors used in the modeling, particularly those presented in Table 2 (in terms of mg/kg)?

Thanks.

Wenjun Qian, Ph.D., P.E.

Supervisor (Air Quality and Public Health)

Siting, Transmission, and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Sent: Friday, October 3, 2025 6:43 PM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>

Subject: Re: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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Hi Renee,

I reached out to our consultant for the corresponding modeling file and will follow up here when I have it. Have a great weekend and talk soon.

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Friday, October 3, 2025 4:32 PM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Caution - External Email

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Report Suspicious

Hi Stephen,

We have received Data Request Response Set 4 (TN 266307). Can you please also send the corresponding modeling files?

Thank you,

Renee Longman AICP, LEED AP
Project Manager
Siting, Transmission and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Sent: Friday, October 3, 2025 4:07 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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Hi Renee,

Data Request Response #4, in response to REV 1 DR WS/FP/PH-1 through -4 (docketed August 1, 2025) and REV 2 DR ALT-1 and -2 (docketed October 2, 2025), has been docketed along with the supplemental plume model analysis. We believe that, with submittal of this information, we have achieved application completeness for this project. (PRC, sec. 25545.4 (c)(2) ["An application is deemed completed as follows: (2) Immediately upon acceptance of the additional information requested by the executive director . . ."]). For context, this completeness determination is critically important, as the project would be in jeopardy of defaulting on contractual obligations with monetary penalties in the tens of millions of dollars, as well as causing Load Serving Entities to miss the CPUC's 2027 procurement order, if the

application did not achieve completeness by October 17. Of course, we welcome continued collaboration with you and your team, as the project moves into the environmental review process. If additional information is requested post-completeness (e.g., pursuant to Public Resources Code, sec. 25545.4(d)), we will work as quickly as possible to provide such information. Thank you in advance and have a great weekend!

Stephen Ahn | *Project Director*

NextEra Energy Resources

Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Friday, September 26, 2025 5:09 PM

To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>

Subject: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Hi Stephen,

Provided below are the Corby BESS Rev. 2 Data Requests for Alternatives. If you have any questions or would like a technical call to discuss, please let us know. Responses should be filed to the project docket.

ALTERNATIVES

Per California Code of Regulations, title 20, Appendix B (f) (1) and (f) (2), an application must include a discussion of a range of reasonable alternatives to the project, or alternative locations for the project, and a comparative evaluation of the engineering, economic, and environmental merits of the alternatives.

On July 25, 2025, CEC staff submitted data request REV 1 DR ALT-1 to the applicant via an email, which was uploaded to the docket on August 1, 2025 (TN 265205). REV 1 DR ALT-1, part b, requested a discussion of the feasibility of the following non-lithium-ion battery technologies: flow battery, sodium-ion battery, and iron-air battery.

On September 5, 2025, the applicant submitted Data Request Response #3 to the docket (TN 265885), which provided a partial response to REV 1 DR ALT-1. In Data Request Response #3, the applicant provided a discussion of the feasibility of flow batteries, sodium-ion batteries, and lead-acid batteries. The applicant's response did not include a discussion of the feasibility of iron-air batteries as requested.

REV 2 DR ALT-1. Please provide a discussion of the feasibility of iron-air battery technology. If this technology is infeasible for the project, please provide justification of its infeasibility.

On January 23, 2024, the Solano County Board of Supervisors (BOS) adopted an interim ordinance (Ordinance No. 2024-1852-U) to prohibit new front-of-the-meter BESS facilities, and directed County planning staff to develop policy recommendations and standards for BESS facilities. On August 12, 2025, the Solano County BOS provided feedback and direction to County planning staff on the proposed policy recommendations and standards for BESS facilities. On August 26, 2025, the County BOS amended Ordinance No. 2024-1852-U to remove the complete prohibition on front-of-the-meter BESS facilities in Manufacturing and Industrial Zoning Districts, subject to specific standards. On September 18, 2025, the Solano County Planning Commission recommended approval to the County BOS of a proposed permanent ordinance that would amend Chapter 28 of the Solano County Code to allow front-of-the-meter BESS in specific Manufacturing and Industrial zoning districts, subject to siting and permitting requirements.

During the County BOS meetings on August 12, 2025, and August 26, 2025, County Supervisors discussed the Lambie Industrial Park as a suitable site for a BESS facility within Solano County (<https://www.solanocounty.gov/government/board-supervisors/board-supervisors-agendas-minutes-videos>). Public comments submitted to the project docket have also identified Lambie Industrial Park as a possible site

alternative (TN 265599). Lambie Industrial Park is an approximately 1,461-acre property bounded by Lambie Road, Goose Haven Road, and Creed Road. County Supervisors identified this property as potentially suitable for a BESS facility for the following reasons:

- The property has a Solano County Land Use designation of Industrial and is zoned Manufacturing General;
- The property is located further away from sensitive receptors (residences, schools, hospitals, etc.) than sites along the I-80 corridor; and
- The Lambie Energy Center is located in the southwest corner of the property.

CEC staff reviewed parcel maps of the area surrounding the Lambie Industrial Park and noted that the Montezuma Wind Energy Center, which is owned by the applicant, is located approximately 1.6 miles south of the industrial park. A substation and switchyards are located within the Montezuma Wind property.

Staff requests additional information on the Lambie Industrial Park and Montezuma Wind Energy Center sites to inform staff's alternatives analysis.

REV 2 DR ALT-2. Please provide the information below for each of two alternative project sites in southern Solano County being considered: (1) Lambie Industrial Park, and (2) Montezuma Wind Energy Center:

- a. A map illustrating the alternative site location;
- b. Size (acreage and megawatt capacity) of a BESS facility that could be constructed;
- c. Details on project components including access roads, substation/switching station, gen-tie line, and ancillary facilities;
- d. How the site meets the project objectives; and
- e. Any other site considerations that would facilitate or inhibit the development of a BESS.

Thank you,

Renee Longman AICP, LEED AP

Project Manager

Siting and Environmental Branch

Siting, Transmission and Environmental Protection Division

1-916-937-3538

California Energy Commission

Website: www.energy.ca.gov



Table 4 Corby BESS Emissions Factor Derivation
UNIT: CATL Enerc+
Cell: CBDDO

Li-Ion Battery Characteristics			Gas Yield (g/g)														Refs.	
Chemistry	Geometry	SOC (%)	HF	CO	NOx	NO	NO2	HCN	HBr	HCl	SO2	Total VOC	PAH	Formaldehyde	CO2	THC		NH3
NMC	Unknown	50	0.007	0.014	0.0009	-	-	-	-	-	-	0.0084	0.000045	0.0005	-	-	-	INERIS, 2022
NMC	Pouch (BEV A*)	80	0.0023	0.0315	0.0016	0.0015	0.0001	-	0.0005	-	0.0023	-	0.0001	-	1.4	0.0127	-	
NMC	Prismatic (BEV B*)	80	0.0021	0.0238	0.0017	0.0015	0.0002	0.0004	0.0002	-	0.0016	-	0.0008	-	1.1	0.0069	-	
NMC	BEV*	90	0.0004	0.03	0.0016	0.0015	0.0001	0.0001	0.0004	-	0.0021	-	-	-	1.2	-	0.00002	Hynynen, 2023
NMC	Battery	90	0.0005	0.016	0.00133	0.0013	0.00003	0.00001	-	-	0.0035	-	-	-	1	-	0	

* BEV = Battery Electric Vehicle

Corby BESS Fire Data	Input Data	Units
Unit Weight	36000000	g
Total Mass Loss	22888605	g
Test Duration	52200	seconds
CATL EnerC+ Unit Level Mass Loss Rate	438.48	g/s

79367 lbs SOC = State of Charge
50461 lbs
14.5 hrs

BESS Fire Data Emission Estimates	Estimated Min/Avg/Max Release Rates															
	HF	CO	NOx	NO	NO2	HCN	HBr	HCl	SO2	Total VOC	PAH	Formaldehyde	CO2	THC	NH3	
	Min Yield (g/g)	0.0004	0.014	0.0009	0.0013	0.00003	0.00001	0.0002	0.000179	0.0016	0.0084	0.000045	0.0005	1	0.0069	0
	Avg Yield (g/g)	0.00246	0.02306	0.001426	0.00145	0.000108	0.00017	0.000367	0.001189	0.002375	0.0084	0.000315	0.0005	1.175	0.0098	0.00002
	Avg Yield (mg/kg)	2460	23060	1426	1450	107.5	170	367	1189	2375	8400	315	500	1175000	9800	20
	Max Yield (g/g)	0.007	0.0315	0.0017	0.0015	0.0002	0.0004	0.0005	0.002575	0.0035	0.0084	0.0008	0.0005	1.4	0.0127	0.00002
	Min Rate (g/s)	0.175	6.139	0.395	0.570	0.013	0.004	0.088	0.078	0.702	3.683	0.020	0.219	438.479	3.026	0.000
	Avg Rate (g/s)	1.079	10.111	0.625	0.636	0.047	0.075	0.161	0.521	1.041	3.683	0.138	0.219	515.213	4.297	0.009
	Max Rate (g/s)	3.069	13.812	0.745	0.658	0.088	0.175	0.219	1.129	1.535	3.683	0.351	0.219	613.871	5.569	0.009
REL Concentration, ug/m3	240	23000			449	340		2100				55			3200	

Note: HCl value, mg/kg based on the data average from: Ramboll Vistra Morro Bay OCA, #1690027676, March 2024. See below.

Additional References:

- 1 - CATL EnerC+ Large Scale Burn Test, DNV, Jan2025.pdf
- 2 - CATL SDS LFP System-EnerC+ C02P05306L01.pdf
- 3 - CATL Brochure_EnerCPlus.pdf
- 4 - CATL-47908386.3_306Ah Cell_Format Report 1.pdf
- 5 - CATL - 4790931774-UL 9540A Unit-Format Report.pdf
- 6. - INERIS, 2022, Willstrand et al., 2020, Hynynen, 2023

Summary Table of BESS Fire Data

Compiled by ADI, Sept 2025.

Table 1

	mg/kg of Battery Weight											Avg
Study #	1	2	4	5	6	7	9	10	11	12		mg/kg
Hydrogen Fluoride	6158	7129	33180	63	253	2221	716	1253	6168			6349.0
Hydrogen Chloride	263						1604	1699				1188.7
CO	10895			4470	517		18917	1440	1496	23976		8815.9
Hydrogen Cyanide								1253				1253.0
Battery Type	Li-ion	Li-ion	Li-ion Ni-rich	unk	Li-ion	Li-ion	Li-ion w/ 2 cathodes	unk	Li-ion LiPF6 LiFS1	Li-ion metal oxides olivine cathodes		

*Ref: Vistra MBPP, OCA, Ramboll, 3/2024**If a study presented data for a pollutant as a range of values, an average was computed from that range for the table above.***Table 2**

	g/sec	lb/hr
Benzene	0.0004	0.003
Toluene	0.0005	0.004
Hydrogen Fluoride	2.1067	16.720
Hydrogen Chloride	0.4792	3.803
Hydrogen Cyanide	0.2332	1.851

*Ref: Baseline Environmental, Soda Mtn. Solar AQ Report, 7/2025***Table 3**

	at 800 C		at 1000 C	
	g/sec	lb/hr	g/sec	lb/hr
CO	0.246	1.952424	0.342	2.7143456
Hydrogen Fluoride	0.0395	0.313499	0.056	0.4444542
Methane (CH4)	0.0225	0.178575	0.0313	0.2484182
Nox	0.00801	0.063573	0.0313	0.2484182

Ref: Island Green Power Limited-Cottam Solar Project, Tetra-Tech, 11/2023. (LFP Battery Test)

Table 4**Emissions Derived from Gas Composition Analyses**

	Supplier 1	Supplier 2	Supplier 3	Tesla	Hithium	Corby	Avg lb/hr/cell
	lbs/hr/cell						
Methane	0.001	0.0028	0.012	0.001	0.000765	0.00146	0.00317083
Acetylene	0.00005	0.00016		0.000067	0.000038	0.00004	0.000071
Ethylene	0.00102	0.0027	0.003	0.001	0.000496	0.00119	0.00156767
Ethane	0.0003	0.0009	0.002	0.0003	0.000237	0.000411	0.00069133
Propadiene	0.0000004	0.00002			0.0000024		0.0000076
Propene	0.00023	0.0016		0.00015	0.00093	0.000372	0.0006564
Propane	0.000089	0.0004	0.001	0.000055	0.000596	0.000148	0.00038133
Butylene		0.0014					0.0014
Butane	0.00024	0.0002	0.045	0.00012	0.00116	0.000648	0.00789467
Pentane	0.0082		0.157	0.004	0.000316	0.000371	0.0339774
Hexane	0.005			0.0008	0.000018	0.000164	0.0014955
Heptene	0.00033				0.0000039	0.0000316	0.00012183
CO	0.003	0.0153	0.022	0.003	0.00398	0.00527	0.00875833
CO2	0.013	0.0468	0.065	0.0116	0.00992	0.0153	0.02693667
Hydrogen	0.00103	0.00424	0.021	0.00105	0.000893	0.00112	0.00488883
Benzene	0.0000034			0.0000016	0.0000138	0.000083	0.00002545
Toluene	0.000001			0.000002	0.0000009	0.0000143	0.00000455
Styrene						0.0000175	0.0000175
Dimethyl Carbonate	0.075			0.0136	0.00295	0.00151	0.023265
Ethylmethyl Carbonate	0.0022			0.001	0.000202	0.000136	0.0008845

Ref: Dudek, Viridi Bess Project, 5/2025

Ref: Dudek, Compass Energy Storage Project, May 2025.

Ref: Fisher Engineering, Tesla Megapack 2, Jan 2023.

Ref: Hithium Block 5 LSFT, UL LLC, 2025

Ref: CATL EnerC+ LSFT, 1/2025, DNV Energy USA, Inc.

Table 5	Avg Yield		
	g/g	mg/g	mg/kg
HF	0.00133	1.33	1330
HCn	0.00017	0.17	170
HCL	0.0046	4.6	4600
Formaldehyde	0.0005	0.5	500
PAHs	0.00045	0.45	450
NH3	0.00002	0.02	20
THC	0.01187	11.87	11870
HBr	0.00037	0.37	370
Nox	0.00156	1.56	1560
SOx	0.00238	2.38	2380

Mass Consumed: 16000 lbs equals 35273.6 kg

Ref: (1) INERIS, 2022* (2) Willstrand et al., 2020 (3) Hynynen, 2023

*INERIS data considered as outliers and not used.



Analysis of combustion gases from large-scale electric vehicle fire tests

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Keywords:

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Large-scale fire test
Lithium-ion battery

ABSTRACT

Fires involving electric vehicles have attracted considerable attention in the media. In particular, the toxic gases released upon combustion of electric vehicles and lithium-ion batteries has been a major concern. In this study, the results of six large-scale vehicle fire tests are presented including three electric vehicles, two internal combustion engine vehicles, and one electric vehicle with the battery pack removed. Additionally, separate battery component tests were performed. In two of the vehicle fire tests a sprinkler system was used to assess the effect of water application on the combustion gases. Furthermore, calculations of the heat release rate, peak heat release rate and total heat release were performed, as well as chemical analysis of gas and soot. Peak heat release rate and total heat release were affected by the fire scenario and vehicle model, but not significantly by the type of powertrain. Regarding the combustion gases, hydrogen fluoride represented the largest difference between electric vehicles and internal combustion engine vehicles. Additionally, battery specific metals such as manganese, nickel, cobalt and lithium were found in higher concentrations in the electric vehicle tests than in the internal combustion vehicle tests, in which larger quantities of lead were found.

1. Introduction

Fire incidents that involve electric vehicles (EVs) have attracted considerable attention in the media during the past years [1,2]. Furthermore, increased fire risks related to lithium-ion batteries (LIBs) are often pointed out, even though most fire incidents involving EVs have fire origins other than the traction battery. The currently available statistics support the claim that EV fires are less probable than internal combustion engine vehicle (ICEV) fires [1,3,4]. Nevertheless, unexpected mechanical or thermal loading or internal failures in the LIB can lead to thermal runaway [1]. Thermal runaway is a state of rapid self-heating, driven by exothermic chemical reactions inside the battery cell/s which can lead to a fire.

For LIB fires, the emission of hydrogen fluoride (HF) has sparked a major concern. The origin of HF in LIB fires can be attributed to the combustion of the electrolyte. The electrolyte contains lithiated salts such as, lithium hexafluorophosphate (LiPF_6), as well as other fluorine containing compounds [5] which provide the possibility for HF emissions during heating and combustion. HF can also be formed upon combustion of the air conditioner coolant or from the combustion of highly fluorinated polymers such as polyvinylidene fluoride (PVDF) [6,

7].

The potential dangers of HF have naturally triggered a huge concern with the public. Since the early reports on HF emissions from LIB fires, many studies have been performed to thoroughly investigate possible hazards. For example, Wingfors et al. [8] studied the protection factor for standard firefighter protective clothing (also known as bunker gear or turnout gear) towards HF, as well as the dermal uptake of gaseous HF. The protection factor of the tested firefighting clothing was on average 120, meaning that the concentration of HF was 120 times lower on the inside of the clothing than on the outside. Furthermore, the study concluded that adverse health effects caused by skin exposure to HF during firefighting is very unlikely. Additionally, Dennerlein et al. [9] studied the dermal penetration of HF in solution. It was found that upon a 24 h exposure to HF (5–30 wt%), only a small amount (~1%) was able to penetrate the skin. Increasing the HF concentration to 50 wt% leads to a skin penetration of 8%. Furthermore, using data from Dennerlein et al. [9] and Wingfors et al. [8], the ambulance service in Stockholm (AISAB), estimated that a deadly dose of HF through inhalation, would require an exposure of 100 ppm for ~2–12 h (assuming heavy breathing of 2400 L h^{-1}) [10].

The reported concentrations of HF upon combustion of vehicles and

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LIBs vary to a large extent. In several studies attempts have been made to extrapolate emissions from single LIB cells to larger battery systems (including vehicles) [11–16]. For example, in work by Larsson et al. [11], it was estimated that 20–200 mg W⁻¹ h⁻¹ of HF could be released from a battery fire. In work by Willstrand et al. [17], a comparison between different battery fire tests and HF emissions was made; the total HF emissions ranged between 1 and 250 ppm kWh⁻¹ calculated for a reference volume of 1000 m³.

Furthermore, combustion gases from all types of vehicle fires include a range of other toxic compounds, such as carbon monoxide (CO), hydrogen cyanide (HCN), hydrochloric acid (HCl) and polycyclic aromatic hydrocarbons (PAHs). Asphyxiant gases, such as CO and HCN, may cause unconsciousness or death by asphyxia. In a study by Viklund et al. [18], the cause of death in fatal car crashes was investigated. In 55 of the cases (30%), the cause of death could be related to burns and/or smoke inhalation.

Particulate-bound compounds, such as inorganics and PAHs, are found in all vehicle fires. In work by Mellert et al. [19], it was found that metals associated with particulates from EV fires had high levels of cobalt, lithium and manganese. In work by Lönnermark and Blomqvist [20], particulate-bound metals found in ICEV fires were analysed and high concentrations of zinc, lead and copper were found. Ambient particulate matter is a serious health issue and epidemiological studies have associated several acute health effects to the inhalation of particulate matter [21–23]. PAHs are persistent and cancerogenic and are a known health risk for firefighters [24–27].

The total quantities of toxic emissions have previously been reported by many researchers, for example, in Ref. [28] for EV fire tests; in Refs. [11,12,29–32] for LIBs and in Refs. [20,33] for ICEVs. A comparison of the concentration of different gases (per vehicle or per Wh) to various health exposure limit values (from The National Institute for Occupational Safety and Health, United States Environmental Protection Agency, and The Swedish Work Environment Authority) indicates that CO and HCN were found in quantities higher than their health exposure limits.

Only a limited number of large-scale fire tests on EVs can be found in literature, which are presented in Refs. [28,34–36]. Moreover, studies on asphyxiant or irritant gases, such as HCN, HCl or HF from EV fires are even more limited. Hence, more research is needed to provide experimentally validated data to better understand the hazard associated with EV fires. The data sets reported within this work could for example be used to assess current (or future engineering of) fire protection system designs or/and to assess the environmental and human health impact of vehicle fires. In work by Lecocq et al. [28], combustion gases from both ICEVs and EVs were studied; it was highlighted that the total concentrations of CO₂, CO, total hydrocarbons, NO, NO₂, HCl and HCN were similar for both types of vehicles. In this work, the results from six large-scale vehicle fire tests as well as from several battery components (cell/module/pack) fire tests are reported. Heat release rates (HRR), total heat release (THR) and chemical analysis of the combustion gases are presented. Additionally, application of water using a sprinkler system was performed to determine the contamination of extinguishing water, which is published elsewhere [37].

Table 1
Specifications of the tested vehicles.

Test	Type	Traction energy	Cell type	Ignition source	Model	Year	Man. ^a	Sprinkler system
1	REF ^b	Removed ^b	–	30 kW burner	Small SUV	2021	A	N
2	ICEV	Petrol, 40 L	–	30 kW burner	Small SUV	2021	A	Y
3	EV	50 kWh, 90% SOC	NMC, prismatic	30 kW burner	Small SUV	2021	A	Y
4	ICEV	Diesel, 44 L	–	Pool fire	Full-size van	2011	B	N
5	EV	40 kWh, 80% SOC	NMC, pouch	30 kW burner	Full-size van	2019	B	N
6	EV	24 kWh, 80% SOC	NMC, prismatic	30 kW burner	Small car	2016	C	N

Tests 1–3 were performed in 2022 and tests 4–6 were performed in 2020 [17].

^a Vehicle manufacturer.

^b REF – Indicates an EV where the traction battery was removed and is used as a reference for test 2 and 3.

2. Materials and methods

2.1. Test setup

Six large-scale vehicle fire tests were performed. For safety reasons, some modifications of the vehicles were necessary. These modifications included puncturing the tires and disabling dampers and suspensions. Additionally, the windows were closed at the start of each test. The specifications of the vehicles, ignition sources and if a sprinkler system was active during the test are presented in Table 1. The sprinkler system used in these tests is described in the Supplementary Material section S1.1.

Tests 4–6, presented in Table 1, were performed in 2020 and have previously been published in a technical report [17]. Test results are included in this work for comparison with the more recent tests performed in 2022 (Table 1, tests 1–3).

All tests were performed inside a fire hall equipped with a large calorimeter hood (Ø = 6 m) to enable collection of smoke and gas emissions. Advanced flue gas reduction and water purification systems are linked to the fire hall to minimise exhausts to the environment. An overview of the test setup is illustrated in Fig. 1. The ignition source was selected to create a worst-case scenario and to involve the traction energy early in the fire (see Table 1 for ignition sources). For safety reasons, the propane burner used for ignition (except test 4) was kept active for the complete test duration. The heat release contribution from the burner was subtracted from the vehicle fire test measurements. In test 4, no extra fuel was added; the pool fire was created using half of the fuel in the vehicle's tank.

For tests 2 and 3, a sprinkler system was activated at a HRR of 1 MW and kept active for 30 min, delivering a total of 11 160 L of water per test. After deactivation of the sprinkler system, the fire was allowed to grow again and at the end of each test the vehicles were completely burnt-out.

A large steel tray (5 × 2 × 0.15 m) was positioned under the vehicles to contain the liquid pool fire from the petrol/diesel in tests 2 and 4. In addition, in tests 2 and 3 the tray was used to collect extinguishing water, which was further analysed and results are presented in Ref. [37].

In addition to the large-scale vehicle fire tests, two battery packs were also tested. The battery components tests performed in 2020 originated from a plug-in hybrid electric SUV manufactured in 2014 and consisted of prismatic cells with a capacity rating of 40 Ah. In total, one module was used for cell-level tests, two modules were used for module-level tests, and the remaining modules were used for a “pack” test, resulting in a total of nine battery tests at different scales. The second battery pack tested in 2022 consisted of the battery pack removed from test 1. This battery pack consisted of 218 prismatic NMC cells, with a total electrical energy of 50 kWh. Application of water using a sprinkler system was employed for the full test duration in this test. However, the pack was protected from direct water impingement to avoid cooling of the battery pack. The purpose of the battery pack fire tests was to compare heat release and gas emissions from batteries in small, medium and large-scale battery components tests as well as to study the effect of water on the combustion gases.

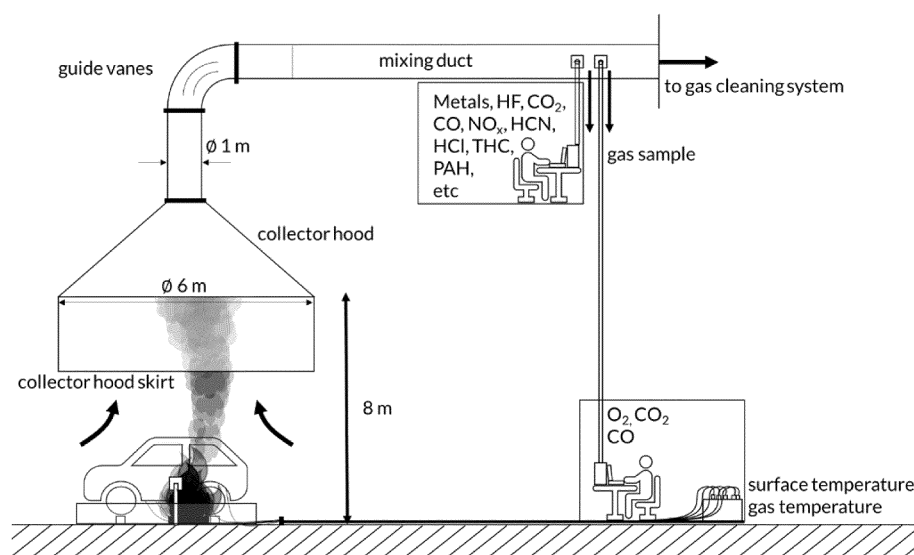


Fig. 1. Schematic overview of the test facility and test setup. The collector hood skirt was not used for tests 1–3. This schematic is reprinted with permission from Ref. [17].

2.2. Heat release rate and temperature

The mass flow rate and the concentrations of O_2 , CO and CO_2 were measured in all tests, from which the HRR could be calculated. To verify that the oxygen produced from the battery upon combustion did not have a significant effect on the calorimetry-based measurements, the convective HRR was also calculated based on temperature measurements. The method and calculations used for the total HRR and convective HRR are described in Ref. [38].

2.3. Chemical analysis

To analyse the combustion gas composition, gas and soot sampling was performed from the exhaust duct (see Fig. 1). An overview of the measurement equipment used is presented in Table 2.

2.3.1. Gas analysis

A ThermoFisher Antaris FTIR instrument with a 0.2 L heated gas cell and a spectral resolution of 0.5 cm^{-1} was used for gas analysis. Sampling was performed according to ISO 19702, using a heated ceramic particle filter and a 10 m heated PTFE sampling line, and a sampling flow rate of 3.5 L min^{-1} . The sampling equipment and cell were heated to $180\text{ }^\circ\text{C}$. The ceramic filter was dispatched to an external laboratory for analysis of fluoride, chloride and bromide using high pressure ion chromatography (HPIC).

2.3.2. Total hydrocarbon content

A SICK MAIHAK Model 3006 THC-analyser with a Flame Ionization Detector (FID) was used to analyse the total hydrocarbon content. The analyser was calibrated against propane (9000 ppm). Sampling was done using a method similar to that of the FTIR sampling, through a separate heated ceramic filter and a heated PTFE sampling line, both heated to $180\text{ }^\circ\text{C}$. Gases were extracted at a sampling flow rate of 1.0 L min^{-1} .

2.3.3. Impinger sampling

Non-filtered effluent was collected and sampled using gas-washing bottles. A carbonate buffer was used to sample water-soluble halogens. The resulting solutions were analysed using high-pressure ion chromatography (HPIC).

Table 2

Overview of the equipment used, compounds measured and their chemical formula.

Measurement method	Compounds measured	Chemical formula
Fourier-Transform Infrared spectroscopy (FTIR)	Hydrogen Fluoride	HF
	Hydrogen Chloride	HCl
	Hydrogen Bromide	HBr
	Carbon Dioxide	CO_2
	Carbon Monoxide	CO
	Hydrogen Cyanide	HCN
	Sulphur Dioxide	SO_2
	Nitrogen Dioxide	NO_2
	Nitric Oxide	NO
	Total Hydrocarbon Content (THCs)	–
Flame Ionization Detector (FID)	Total Hydrocarbon Content (THCs)	–
Gas washing bottles	Fluoride	F^-
	Chloride	Cl^-
	Bromide	Br^-
Gas Chromatography-Mass Spectrometry (GC-MS)	Polycyclic Aromatic Hydrocarbons (PAHs)	–
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) and ICP-Optical Emission Spectrometry (OES)	Aluminium	Al
	Cadmium	Cd
	Lead	Pb
	Cobalt	Co
	Chromium	Cr
	Copper	Cu
	Lithium	Li
	Manganese	Mn
	Nickel	Ni
	Zinc	Zn
High Pressure Ion Chromatography (HPIC)	Fluoride	F^-
	Chloride	Cl^-
	Bromide	Br^-

2.3.4. Filter sampling

Sampling of soot particles in the exhaust duct was performed by isokinetic sampling on quartz filters. At the sampling point, the flow rate was set to 50 L min^{-1} and the sampled gas flow was divided between two identical filters. The filters were dried at ambient temperature before analysis. One of the filters was analysed for metals and water-soluble anions of fluoride, chloride and bromide, the other filter was analysed for 16 types of PAH. For the metal and anion analysis, the filter was dissolved in nitric acid ($240\text{ }^\circ\text{C}$) before analysing the extract using inductively coupled plasma mass spectrometry (ICP-MS) and optical

emission spectrometry (ICP-OES). For analysis of PAHs, the filter was extracted using toluene in an ultrasonic bath for 30 min and extracts were analysed using gas chromatography-mass spectrometry (GC-MS); 16 external standards were used (see Supplementary Material Table S1).

3. Results and discussion

3.1. Heat release rates and total heat release

The HRR was calculated using oxygen consumption calorimetry and results are presented in Fig. 2. Upon activation of the sprinkler system in test 3 (Fig. 2a, blue), the HRR rapidly declined. To avoid having the sprinkler system active without thermal runaway in the battery, it was decided to turn off the sprinkler after 10 min and allow the fire to grow again. For the second activation of the sprinkler system, the sprinkler system was active for 20 min to keep the total volume of water the same for tests 2 and 3.

Upon rupture of the fuel tank for the ICEVs (Fig. 2a and b, red), the fires developed more rapidly compared to the EVs due to the release of a large amount of chemical energy.

For the tests performed in 2020 (Fig. 2b), the difference in battery configuration and especially the cell type resulted in a large difference in the HRR. When the pouch cells in test 5 (Fig. 2b, green) experienced thermal runaway, large amounts of gas were released in a relatively short time which contributed significantly to the peak HRR. In comparison, the prismatic cells in test 6 (Fig. 2b, blue) experienced thermal runaway somewhat later and continued to release gas for a longer period compared to test 5. The gas release was irregular with a slower thermal propagation between cells, resulting in a less apparent contribution to the overall HRR as noticed in Fig. 2b. A similar slower thermal propagation was also noticed in test 3 (Fig. 2a, blue) which also involved prismatic cells.

The shape of the HRR curves is different when comparing Fig. 2a and b. The reason for this divergence is foremost due to the activation of the sprinkler system, efficiently suppressing the HRR. At the time of sprinkler activation, only the exterior parts of the vehicles were burning, and the windows were intact. For test 2, the front window ruptured at a test time of 47:49 min, subsequently involving the passenger compartment in the fire. For test 3, the back window ruptured shortly after the activation of the sprinkler system ($t = 12:18$ min). However, during the time that the sprinkler system was active the interior of the vehicle was not involved in the fire. For test 3, the interior of the vehicle started burning at $t = 22:30$ min. Moreover, for the vehicle without traction energy

(Fig. 2a, black), the ignition source was below the engine compartment. The fire propagation from the engine towards the back of the vehicle was very slow, resulting in a split peak in the HRR graph. This gives a clear indication that the point of fire initiation may influence the HRR. However, it did not seem to prolong or shorten the active burn time, which was on the order of ~ 90 min for all tests. The total mass loss in percentage and the THR were also similar amongst the tested vehicles, as presented in Table 3.

3.1.1. THR for the battery cell, module and pack tests

The THR data from the separate battery cell/module tests are plotted together with literature data from previously performed cell/module tests found in Refs. [29,39–51]. A linear correlation between the nominal electrical energy of the battery and the THR was found and is indicated by the trendline in Fig. 3.

3.2. Chemical analysis

The total quantity and the normalized amount (in g or mg per lost g) of CO₂, CO, PAHs and THC are presented in Fig. 4., the remaining gaseous compounds (HF, HCl, HBr, SO₂, NO, NO₂ and HCN) and their normalized amounts can be found in the Supplementary Material Table S2. Additionally, the gas generation rates can be found in Supplementary Material Fig. S1 (tests 1–3) and in Ref. [17] (tests 4–6). In section 3.2.1, the PAH and THC are presented; in section 3.2.3 the analysis of particulate-bound inorganics is presented and in section 3.2.4 the total quantity of HX is presented.

3.2.1. Particulate-bound polycyclic aromatic hydrocarbons and total hydrocarbon content

For the tests performed in 2022, with an active sprinkler system, the concentration of particulate-bound PAHs for the ICEV (test 2) was

Table 3

Total mass loss and THR.

	1 - REF	2 - ICEV	3 - EV	4 - ICEV	5 - EV	6 - EV
Vehicle manufacturer	A	A	A	B	B	C
Total mass loss (kg)	240	310	330	250	250	400
Total mass loss (%)	21	26	21	19	16	26
THR (GJ)	5.0	6.1	5.7	5.9	5.2	6.7

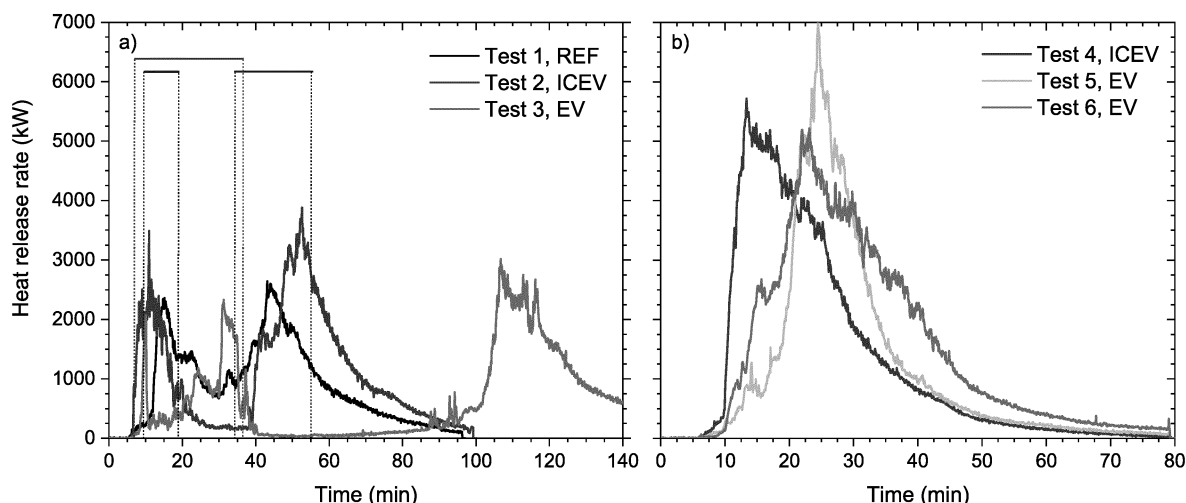


Fig. 2. HRR for a) tests 1–3, sprinkler active period for tests 2 and 3 are presented within the dotted lines and b) for tests 4–6 [17]. EVs in blue (tests 3 and 6) are prismatic cells and in green (test 5) are pouch cells. Fire ignition was performed at $t = 5$ min for all tests. (For interpretation of the references to colour in this figure legend, the reader is referred to the Web version of this article.)

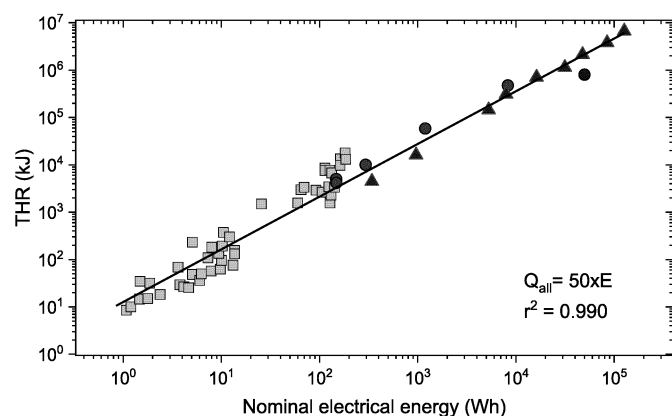


Fig. 3. THR plotted with respect to the nominal electrical energy (Q) for the test objects. Grey indicates cell/array tests, black are module/pack tests, red are cell/module tests from 2020 and blue is from the pack test in 2022. The black solid line indicates the linear fit for all data points. Note that logarithmic scales are used. (For interpretation of the references to colour in this figure legend, the reader is referred to the Web version of this article.)

somewhat higher than for the EV (test 3, Fig. 4b). The reason for the increased concentration of PAHs might be a result of the combustion of petrol. The sprinkler system was active during the time when the petrol was burning. Water application will lower the surrounding air temperature, which may result in a higher degree of incomplete combustion. Incomplete combustion of organic hydrocarbons was also noticed in the THC analysis. Here, the THC concentration was increased by a factor of two (for tests 2 and 3), compared to the free burning reference test (test 1). In addition, having an active sprinkler system reduced the total amount of soot in the combustion gases by ~50%. For test 5 (EV), the PAH concentration was much lower than for the remaining tests. Both for the particulate-bound PAHs and for PAHs in the gas phase; the reason for this discrepancy is unknown.

3.2.2. Analysis of CO_2 and CO

Looking at tests 2 and 3 (SUV) as well as tests 4 and 5 (van) (Fig. 4) it is evident that the total quantity of CO_2 and CO depends on the size/

mass of the vehicle but not on the type of traction energy (i.e., if it is an EV or ICEV). The normalized quantity of CO_2 was marginally lower for the tests with the active sprinkler system (tests 2 and 3) compared to the free burning test of the same car model (test 1). However, the normalized amount of CO was similar for all three tests performed in 2022 (tests 1–3).

3.2.3. Particulate-bound metals and ions

The total quantity of metals and anions from the soot analysis is presented in Fig. 5. The quantity of particulate-bound metals is considerably higher for EVs compared to the ICEVs, in particular for the LIB specific elements: lithium, aluminium, cobalt, manganese and nickel.

Lead was found in higher quantities for the ICEVs, 7 and 18 g for tests 2 and 4, respectively, compared to 2.5–5 g for the EVs (tests 3, 5 and 6).

3.2.4. Hydrogen halides

For the tests performed in 2020 (tests 4–6), without a sprinkler system, HF differed the most between the ICEV (test 4) and the EVs (tests 5 and 6), see Fig. 6a. For the EV tested in 2022 (test 3), where water was applied, the HF concentration was significantly lower than for the EVs tested in 2020. In the period when the sprinkler system was active, no HF could be detected using FTIR see Fig. 6b. This was also the case for the battery pack test performed in 2022, see further Supplementary Material Fig. S2. However, analysis of the extinguishing water, filters, and impinger sampling confirmed the presence of fluoride ions (Supplementary Material Table S3).

In Fig. 7 the total amount of HX (HF, HCl and HBr) from the gas measurements is presented, which includes FTIR and the FTIR pre-filter, in comparison with the impinger sampling. Note that impinger sampling and FTIR pre-filters are analysed for ions (F^- , Cl^- , Br^-) and not for the acids (HCl, HF, HBr). The impinger sampling method is very sensitive and losses can be avoided to a higher degree compared to FTIR. It is expected that the concentrations obtained by analysing the gas-washing bottle liquid would be higher than those obtained using the FTIR, as the former possibly contain other water-soluble fluorides, chlorides and bromides in addition to HF, HCl and HBr.

However, for comparison, the amount of fluoride, chloride and bromide captured by the gas washing bottles and in the FTIR pre-filters

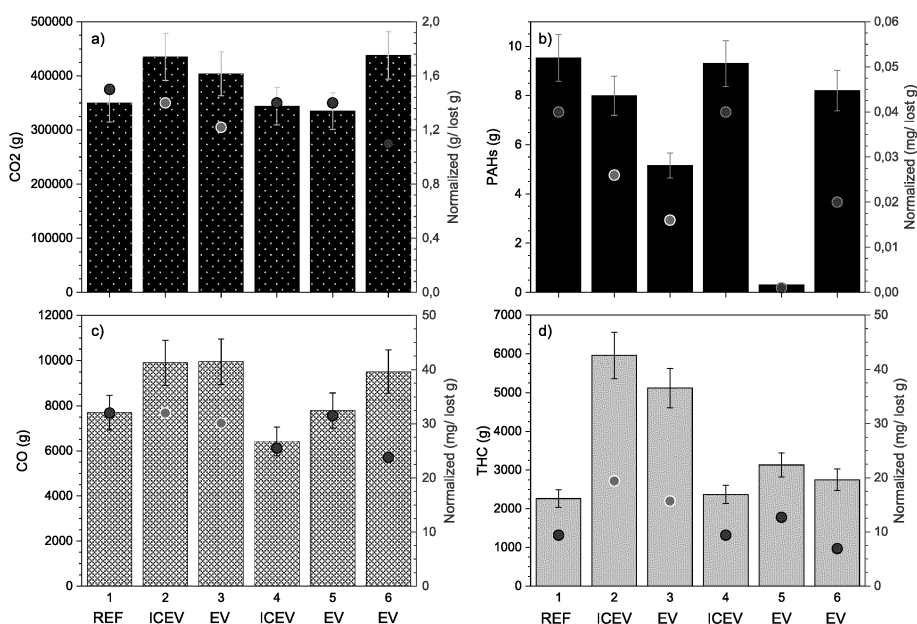


Fig. 4. Total quantity of a) CO_2 , b) PAHs, c) CO and d) THC for each test. Note that water was applied using a sprinkler system in tests 2 and 3 (blue circles). Red and blue circles indicate the normalized amount i.e., the total quantity (in g or mg) divided with the total mass loss (in g) of the vehicle. (For interpretation of the references to colour in this figure legend, the reader is referred to the Web version of this article.)

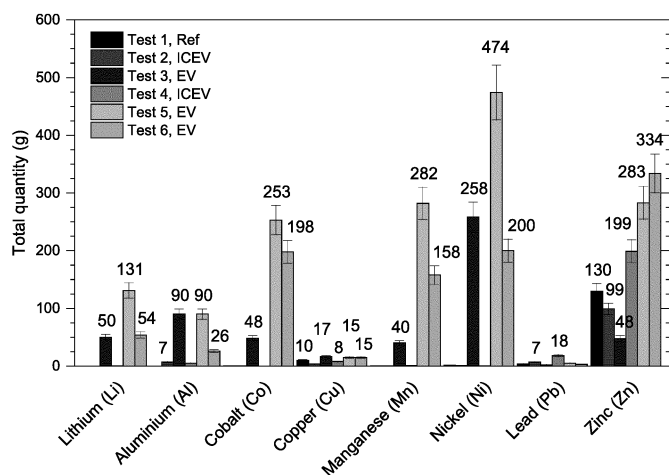


Fig. 5. Total quantities of particulate-bound metals and anions for each test.

were recalculated to HF, HCl and HBr. These extrapolations will likely lead to an overestimate of the concentration of HX. The total amount of HF ranged between 11 and 15 g for the tested ICEVs, and 120–859 g for the tested EVs.

3.3. HF concentrations from cells to vehicles

The total quantity of HF detected by the FTIR (including F^- in the pre-filter) plotted against the nominal electrical energy is presented in Fig. 8. Tests in 2020 were performed on the same type of battery cells but at different scales, from single cell to pack level. The production of HF is linearly proportional to the nominal electrical energy. For single cell tests, the only quantifiable gases detected by FTIR, in addition to HF, were CO and CO₂. Production of CO₂ is also linear, while production of CO is not. The larger the battery, the less efficient combustion, resulting in higher CO production.

Note that the tested cells were not enclosed; this means that losses of gas components/particles to the enclosure walls, i.e., “wall losses”, are prevented. Increased “wall losses” could be a possible explanation why the measured HF quantities from EV fires are typically lower than for cell level tests as seen in Fig. 8.

4. Conclusions

Analysis of the combined results for HRR and emission measurements from the large-scale vehicle fire tests performed in this work confirm trends obtained from previous studies on EV and LIB fires [17]. Results regarding the burning behaviour, HRR, THR and peak HRR of

EVs compared to ICEVs is critical for fire safety engineering. The peak HRR and THR were affected by the fire scenario and vehicle model (size of vehicle) but not significantly by the type of traction energy. The time to peak HRR was the shortest for the ICEVs, due to the release of a large

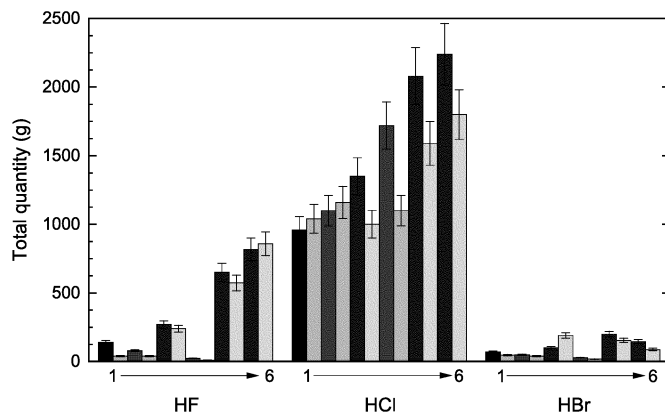


Fig. 7. Total quantity of HX for all tests, darker colours indicate impinger sampling and lighter shading FTIR. Reference test results in black/grey, ICEVs in red and EVs in blue. (For interpretation of the references to colour in this figure legend, the reader is referred to the Web version of this article.)

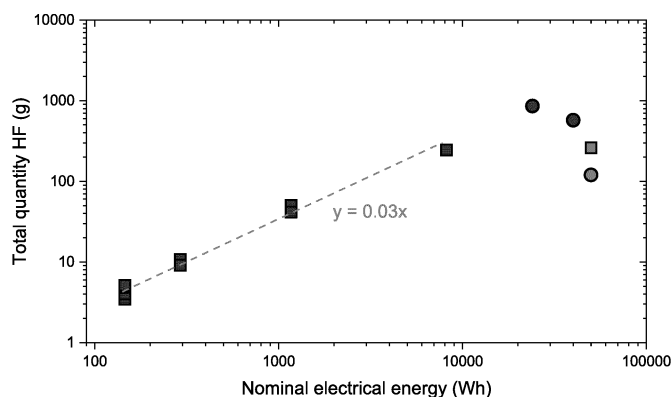


Fig. 8. HF quantity plotted with respect to the nominal electrical energy for the test objects. Red indicates tests performed in 2020, on single cells to pack level (squares) and EV tests (circles). Grey are tests performed in 2022, EV (circle) and battery pack (square). The grey dotted line shows the linear fit for the single cells to pack test series. Note that logarithmic scales are used. (For interpretation of the references to colour in this figure legend, the reader is referred to the Web version of this article.)

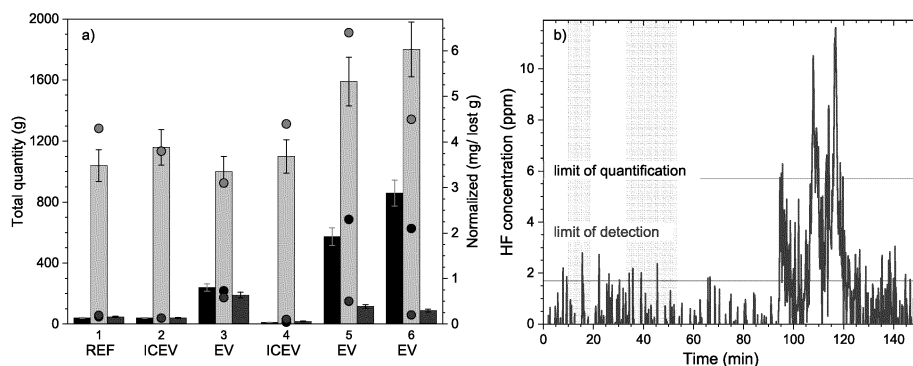


Fig. 6. a) Total quantity of HX measured using FTIR (including the FTIR pre-filter); black – HF, grey – HCl and red – HBr. Circles indicate the normalized amount of HX, HX (in mg) divided by the mass loss of the vehicle (in g). b) FTIR graph for test 3; blue shading indicates the time when the sprinkler system was active. (For interpretation of the references to colour in this figure legend, the reader is referred to the Web version of this article.)

amount of chemical energy when the fuel tank burst.

Regarding gas production, the total quantity of the gases measured were in the lower part or slightly below the quantities previously reported, especially for NO_x, HF and HCl. A higher concentration of lead was found for the tested ICEVs compared to the EVs, 7–18 g and 2.5–5 g, respectively. The ICEVs and EVs had similar lead-acid starter batteries.

HF, together with some specific battery metals such as nickel, cobalt, lithium and manganese (dependent on the cell chemistry), constituted the largest difference in the combustion gases between EVs and ICEVs. For the tested ICEVs, 11–15 g of HF was found, whereas the HF concentration for the EVs was between 120 and 859 g. Furthermore, when water was applied using the sprinkler system, quantification of HF using FTIR was inhibited. However, fluoride ions were detected in the FTIR pre-filters, impinger sampling and in the extinguishing water, indicating that fluoride containing species were released from the battery during this time. The variation in the reported concentrations of HF found in literature is vast, even for cell level tests. There could be several reasons for this large discrepancy. Firstly, the origin and amount of fluoride ions that can be released from a battery cell differ, and secondly, HF could readily react upon contact with other materials, which could lead to significant “wall losses”. Additionally, the extrapolation of data using fluoride ions to calculate HF concentrations will likely lead to an over-estimation of the HF concentration. To be able to quantify HF, the origin of the fluoride ions in the filter sampling and impinger sampling should be further investigated. Furthermore, the analysed compounds presented in this study are only representative for a small number of tests. As vehicle type, battery chemistry, fire scenario etc. are varied, the gaseous compounds and concentrations of these will be subjected to variations.

Author statement

Jonna Hynynen: Project administration, conceptualization, experimental project leader, analysis of collected data, writing - original draft, review & editing. Ola Willstrand: Conceptualization, methodology, funding acquisition, review and editing. Per Blomqvist: Chemical analysis, review & editing. Petra Andersson: review and editing.

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Declaration of competing interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

Data availability

Data can be made available upon request for non-commercial use

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Appendix A. Supplementary data

Supplementary data to this article can be found online at <https://doi.org/10.1016/j.firesaf.2023.103829>.

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Supplementary Material

Analysis of Combustion Gases from Large-Scale Electric Vehicle Fire Tests

Jonna Hynynen^{*a}, Ola Willstrand^a, Per Blomqvist^a, Petra Andersson^b

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S1.1 Sprinkler system

Four sprinkler heads were installed in a hydraulically balanced piping work, having a spacing of 3.05 m by 3.05 m (10 ft. by 10 ft.). The pipework was constructed from DN50 (2") steel pipe. A plate thermometer was placed in the centre of the pipework and a pressure transducer was installed at the end of one of the branch lines. The test object was positioned with its centre point between the four sprinklers. When installed in the fire hall, the plane of the sprinkler frame arms was parallel to the branch lines of the pipe work. The vertical distance between the deflector of the individual sprinkler heads and the lowest point of the test object was 2.85 m.

The water discharge density used for test 2 and 3 was set to 10 mm min^{-1} , corresponding to 93 l min^{-1} per sprinkler head. Four sprinkler heads were used resulting in a total flow rate of 372 l min^{-1} and each of the sprinkler heads covered an area of 9.3 m^2 . The sprinkler system was active for 30 min, resulting in a total of 11 160 l of water.

Sprinkler heads used were TYCO model Series TY FRB, Quick Response, Standard Coverage sprinklers with a nominal K-factor of $80.6 \frac{\text{l min}^{-1}}{\sqrt{\text{bar}}}$. The sprinkler heads were originally fitted with a 3 mm glass bulb that was removed for these tests. The supply line of the pipework had a solenoid valve that was remotely operated. The sprinkler system was activated when the fire reached a convective heat release rate of 667 kW, corresponding to a total heat release rate of 1 MW (corresponding to a roof temperature at 2.85 m of $\sim 68^\circ\text{C}$).

Table S1. The 16 external standards used for PAH analysis and results from the blank sample analysis for the combustion gas analysis. Limit of quantification $0.1 \mu\text{g}$

PAH	Blank sample (μg)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	0.2
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz[a]anthracene	<0.1
Chrysene	<0.1
Benzo[b,j]fluoranthene	0.1
Benzo[k]fluoranthene	0.1
Benzo[a]pyrene	<0.1
Indeno[1,2,3-c,d]pyrene	<0.1
Dibenzo[a,h]anthracene	<0.1
Benzo[g,h,i]perylene	0.1

Table S2. Total quantity and normalized amounts of analysed substances, tabulated values have been rounded. Measurement uncertainty ~ 10%

Compound	Test 1 REF	Test 2 ICEV	Test 3 EV	Test 4 ICEV	Test 5 EV	Test 6 EV
CO ₂ , [kg] (g/lost g)	350 (1.5)	440 (1.4)	403 (1.2)	340 (1.4)	340 (1.4)	440 (1.1)
CO, [g] (mg/lost g)	7700 (32)	9900 (32)	9900 (30)	6400 (26)	7800 (32)	9500 (24)
THC, [g] (mg/lost g)	2300 (9)	6000 (19)	5100 (16)	2400 (10)	3100 (13)	2800 (7)
HF, [g] (mg/lost g)	10 (0.05)	15 (0.05)	120 (0.4)	10 (0.04)	570 (2.3)	860 (2.1)
HCl, [g] (mg/lost g)	1000 (4)	1100 (4)	960 (3)	1100 (4)	1600 (6)	1800 (5)
HBr, [g] (mg/lost g)	20 (0.07)	-	130 (0.4)	20 (0.1)	120 (0.5)	90 (0.2)
HCN, [g] (mg/lost g)	110 (0.5)	70 (0.2)	40 (0.1)	-	-	150 (0.4)
SO ₂ , [g] (mg/lost g)	1600 (7)	1700 (6)	700 (2)	480 (2)	580 (2)	650 (2)
NO, [g] (mg/lost g)	550 (2)	640 (2)	490 (1.5)	450 (2)	370 (1.5)	620 (1.5)
NO ₂ , [g] (mg/lost g)	60 (0.2)	130 (0.4)	40 (0.1)	40 (0.2)	30 (0.1)	80 (0.2)
PAH, [g] (mg/lost g)	5.0 (0.02)	4.1 (0.015)	2.7 (0.008)	9.3 (0.04)	0.3 (0.001)	8.2 (0.02)

Values in red represent measurements having a noisy background, giving a higher measurement uncertainty.

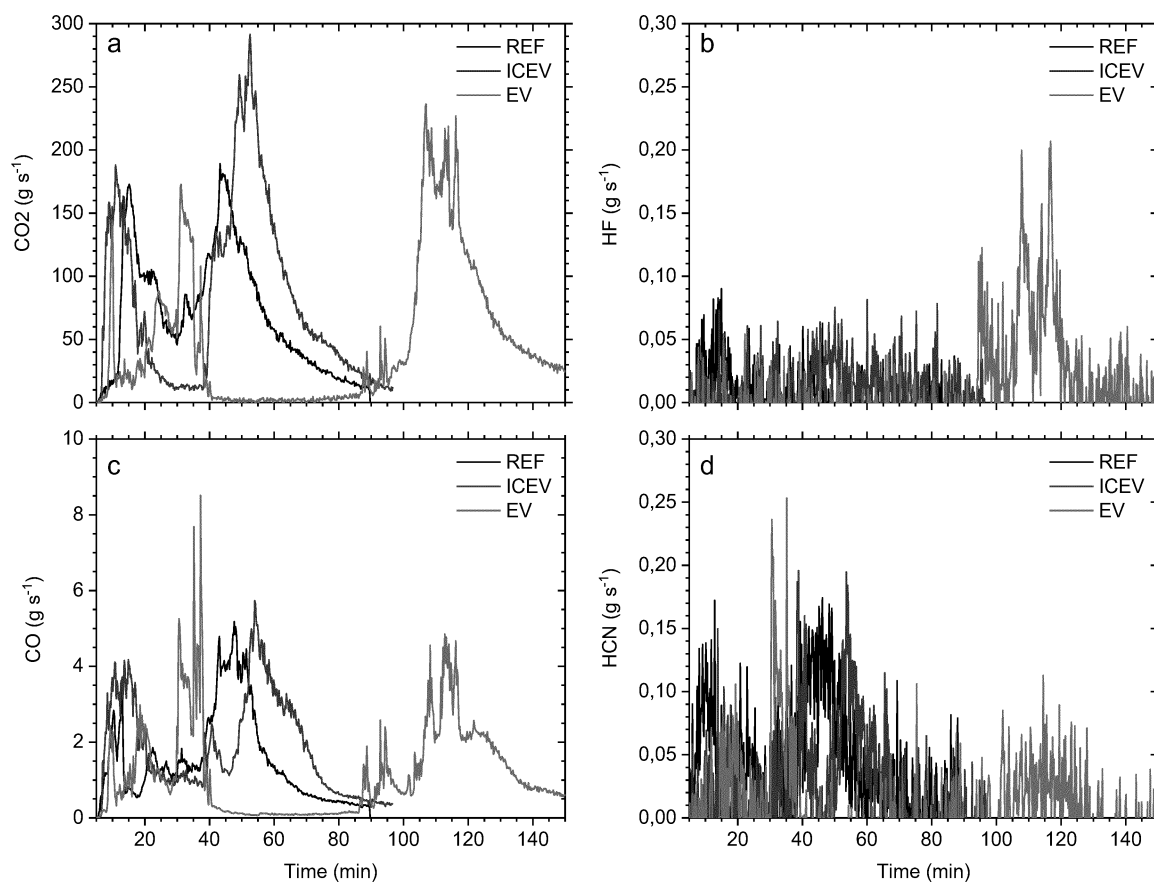


Fig. S1. Gas generation rates for a) CO₂, b) HF, c) CO and d) HCN for the reference test (Test 1), ICEV (Test 2) and EV (Test 3). For tests 4 – 6, the gas generation rates can be found in [17] appendix B.¹ Note that the y-scales are different for a – d.

¹ [17] O. Willstrand, R. Bisschop, P. Blomqvist, A. Temple, J. Anderson, Toxic Gases from Fire in Electric Vehicles, RISE Report 2020:90, 2020. <http://urn.kb.se/resolve?urn=urn:nbn:se:ri:diva-52000>.

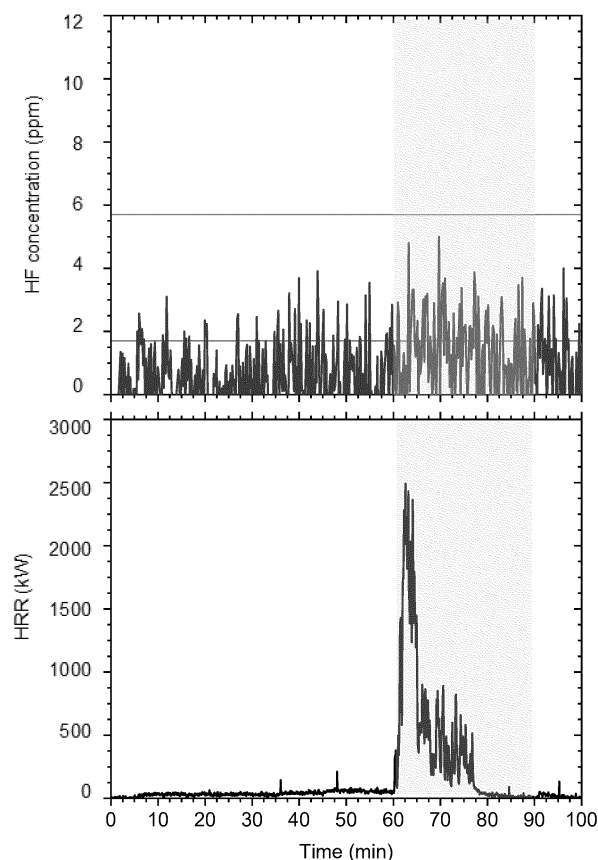


Fig. S2. Top) HF concentration against time measured for the battery pack test using FTIR and Below) HRR graph from the battery pack test.

Table S3. Fluoride concentrations for test 3 and the battery pack

Analysis method	Test 3 EV (sprinklers active)	Battery pack
	Total amount of HF or fluoride (g)	
FTIR	120	34
FTIR + pre-filter	240	290
Filter sampling	94	180
Impinger sampling	270	240
Extinguishing water 0 – 30 min	4 mg l ⁻¹ *	45 mg l ⁻¹

Value in red represent measurement having a higher background interference, creating a higher measurement uncertainty.

*Background concentration of fluoride ~ 0.05 – 0.3 mg L⁻¹. The fire scenario for the vehicle and battery pack differed to a large extent. The battery pack was burnt out in 20 min (sprinkler system active for the whole test) whilst the vehicle burn time was ~ 90 min (sprinkler system was active for ~ 25% of the total test time).

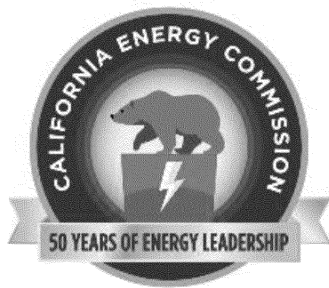
From: Bohan, Drew@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7DD07A25FCBC49B0BBB219CC3B788983-BOHAN, DREW]
Sent: 10/16/2025 8:48:51 AM
To: Baker, Simon [Simon.Baker@nexteraenergy.com]
CC: Simon, Sean@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e36c2c770a5340e0b587c829318f19fa-131dab03-54]; Villegas, Pedro [Pedro.Villegas@nexteraenergy.com]; Lukanich, Kimberly@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3f1a946e58c54794950425a4010d35a4-e94335c9-4a]
Subject: Re: Follow-up on HF BESS combustion data

Thanks for looking into that issue. I'm copying Kimberly to help coordinate a suitable time.

-db

Drew Bohan

Executive Director
California Energy Commission
www.energy.ca.gov



From: Baker, Simon <Simon.Baker@nexteraenergy.com>
Sent: Wednesday, October 15, 2025 5:35:52 PM
To: Bohan, Drew@Energy <Drew.Bohan@energy.ca.gov>
Cc: Simon, Sean@Energy <Sean.Simon@Energy.ca.gov>; Villegas, Pedro <Pedro.Villegas@nexteraenergy.com>
Subject: Follow-up on HF BESS combustion data

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

Hi Drew,

It was good seeing you at the CEC 50th event – remarkable milestone!

We spoke at the event about BESS permitting, our Corby project, etc. And you asked if we have any data on hydrogen fluoride (HF) combustion dynamics. We have been working on that request internally. We lined up one of our experts, Josh Adams from the Engineering & Construction BESS safety team. As a follow-up, we'd

like to bring him in (and other NextEra folks) to meet with relevant CEC folks. **Can we set a meeting in the coming 1-2 weeks?**

I am copying Sean, as I mentioned this to him at CREPC, and I imagine he might want to attend.

Pedro Villegas (copied) will organize the NextEra team that would attend. Pedro is Executive Director of Regulatory and Political Affairs (RPA). Among his responsibilities is the Corby project going through AB 205 permitting. He our main RPA point of contact on BESS safety issues in CA.

As an aside, thanks for all that CEC leadership (you and Sean) and staff have done to help us get this far towards Corby being deemed complete. Really appreciate the engagement and guidance.

Best,

Simon Baker

Senior Director | Regulatory Affairs, West Region

Mobile: 415-450-1183 | Simon.Baker@NextEraEnergy.com



From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 10/8/2025 2:42:09 PM
To: Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]
Subject: RE: Corby BESS (24-OPT-05)

Thank you. Note, staff still needs the modeling files for their review of Data Responses Set 4. Our understanding is that Greg Darwin would provide them later today.

Renee Longman AICP, LEED AP

Project Manager

Siting, Transmission and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Sent: Wednesday, October 8, 2025 2:24 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: Re: Corby BESS (24-OPT-05)

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Hi Renee,

Of course, we can. Thank you for all your help along the way. We also look forward to working closely with you on this and any future project endeavors. Talk soon!

Stephen Ahn | *Project Director*

NextEra Energy Resources

Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Wednesday, October 8, 2025 1:42:11 PM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: Corby BESS (24-OPT-05)

Hi Stephen and Nadan,

Can you please hold November 6 (all day) as a potential date for the Informational and Environmental Scoping Meeting? We have found it helpful to have a CEC site visit in the morning followed by the meeting in the afternoon. Let's plan on talking more about the meeting logistics on Tuesday's call (10/14).

Thank you,

Renee Longman AICP, LEED AP

Project Manager

Siting and Environmental Branch

Siting, Transmission and Environmental Protection Division

1-916-937-3538

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From: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Sent: 10/27/2025 8:54:19 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
Subject: RE: Corby BESS: Burrowing Owl

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

Hi Renee,

I would like to confirm that the smaller group is still planning to meet tomorrow (no legal). We would like to discuss logistics for the Nov 6 scoping meeting (i.e. confirm venue, meeting location for field site visit, virtual meeting link, etc.).

Please let me know. Thanks!

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Friday, October 24, 2025 10:59 AM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Field @EnergyVeterans.org <field@energyveterans.org>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Leone, Christine <Christine.Leone@nexteraenergy.com>; Esposito, Elisabeth L. <eesposito@bhfs.com>; Guillen, Christopher R. <cguillen@bhfs.com>; Loum, Mary C. <mloum@bhfs.com>; Lee, Ralph@Energy <ralph.lee@energy.ca.gov>
Subject: RE: Corby BESS: Burrowing Owl

Hi Nadan,

I'll coordinate with our bio team and get back to you. There does appear to be some schedule conflicts with our normal meeting time on Tuesday for a couple key bio team members for this project. We may need to schedule a separate call for this topic and if so, will provide a couple day/time options.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Sent: Friday, October 24, 2025 9:58 AM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Field @EnergyVeterans.org <field@energyveterans.org>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Leone, Christine <Christine.Leone@nexteraenergy.com>; Esposito, Elisabeth L. <eesposito@bhfs.com>; Guillen, Christopher R. <cguillen@bhfs.com>; Loum, Mary C. <mloum@bhfs.com>
Subject: RE: Corby BESS: Burrowing Owl

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

Hi Renee,

Happy Friday! Thank you for checking in with regard to the comments about burrowing owl. We are still discussing the comment letters and evaluating the appropriate next step.

As an initial question, we are wondering if CEC has any additional information you could share related to the owl sighting reported by the public. Your email references that CEC staff spoke with Victoria Serr and obtained additional information on the location of the sightings and possible burrow locations. If you could provide us with that additional information, as well as any additional information you received from Noelle Demartini, it would help us to evaluate the best course of action moving forward.

We note that we have undertaken multiple protocol level surveys in both the breeding and non-breeding season, and no burrowing owls or their signs were observed within the survey area. Furthermore, the Project will undertake comprehensive avoidance measures consistent with applicable guidance. These include:

- The Project will conduct pre-construction surveys for burrowing owl per PD BIO-5a (see DRR#1) and proposed COC BIO-12.1.
- If burrowing owl are identified during pre-construction surveys, impacts will be avoided by implementing avoidance buffers as identified in PD BIO-5b (see DRR#1) and proposed COC BIO-12.6b.
- Risk for burrowing owls to occur on site will be minimized through implementation of PD BIO-5c (proposed COC BIO-12.6a.) which allows for plugging or excavation of burrows that have had no historic occupancy by burrowing owls and/or showed no signs of burrowing owls during the protocol level surveys and pre-construction surveys.

Based on these measures, and with the recent survey results, we feel confident the Project can avoid take of burrowing owl. However, we of course want to evaluate all available information in deciding the best path forward. We understand Ms. Serr's property to be located approximately 800m from the Project and therefore outside the 500m disturbance distance referenced in your email. However, please clarify if our understanding is incorrect and CEC has a public report of burrowing owl within 500m of the Project site. If this is the case, we would also be interested in understanding whether CEC staff has explored whether the applicable landowner(s) would consent to providing access to their property so that a qualified biologist can evaluate signs of burrowing owl presence.

Any information you could provide on these questions would be much appreciated.

PS: Could we please add CDFW ITP as a discussion item for next week's agenda? We would like to discuss how the ITP process works under AB-205. As a heads up, our legal team (CC'd) will likely attend next week's call.

Best,

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Sent: Friday, October 17, 2025 11:30 AM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Cc: Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Field @EnergyVeterans.org <field@energyveterans.org>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>

Subject: Re: Corby BESS: Burrowing Owl

Thank you Renee,

We are going to huddle up with our biological consultant and will have a response to you on this item shortly.

Regards,
Nadan

Get Outlook for iOS

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Friday, October 17, 2025 10:34:40 AM

To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Cc: Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Field @EnergyVeterans.org <field@energyveterans.org>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>

Subject: Corby BESS: Burrowing Owl

Hi Stephen,

Our biological resources team has a question related to incidental take authorization for the burrowing owl. Staff is inquiring whether you and your team would like to apply for take coverage for this species in light of the following recent information from public comments:

On August 13, 2025, a member of the public submitted the following to the docket (TN 265585): Comments from Victoria Serr – “Burrowing Owls Present in Study Area.” The comment included photographs documenting the presence of burrowing owls within the study area. CEC staff followed up with Ms. Serr and obtained further information on locations of burrows and sitings. One location Ms. Serr noted was in the backyard of the home on Kilkenny Road that is located within the study area.

On August 14, 2025, a member of the public submitted the following to the docket (TN 265592) – Noelle Demartini Comments – “Corby Project Vacaville”, noted a burrowing owl occurrence in their comments, without specific information.

The burrowing owl is currently a candidate species for listing under the California Endangered Species Act (CESA), which affords it the same protections as a state-listed threatened or endangered species. The California Department of Fish and Wildlife (CDFW) may take a year or longer to complete its review and make an official determination regarding the species’ listing status, including whether it will be classified as threatened or endangered, and whether the listing will apply to the entire population or to specific subpopulations.

Please note that the additional information provided by the public has not been verified in the field by CEC staff. However, if the burrow located in the backyard of the residence on Kilkenny Road is occupied, it would be within approximately 500 meters of the proposed project activities, which is the standard distance used by the CDFW to evaluate potential disturbance or impacts to burrowing owls.

At this time, staff recommends that the applicant request to obtain take coverage through the CEC's in-lieu permitting authority. Take coverage would require submittal of all the information that would be included in an Incidental Take Permit (ITP) application to the CEC.

We would coordinate review with CDFW. Otherwise, the project would be required to fully avoid burrowing owls, which could constrain or delay construction if owls are present on the project site or within 500 meters of the project site.

Please let us know if your team would like to meet with our biological resources team for further clarification or discussion.

Thank you,

Renee Longman AICP, LEED AP BD+C

Project Manager

Siting and Environmental Branch

Siting, Transmission and Environmental Protection Division

1-916-937-3538

California Energy Commission

Website: www.energy.ca.gov



From: Emmanuel Orozco [EOrozco@ysaqmd.org]
Sent: 10/9/2025 3:32:55 PM
To: Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]; Eden Winniford [EWinniford@ysaqmd.org]
CC: Jiang, Tao@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=385e043d00344c059acf8926c0dbd8d1-Jiang, Tao@]; Hughes, Joseph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd5e80572b644209e9607ba7bdc630-Hughes, Jos]; Record, Jacquelyn@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=80a752975c1d44efbd17fb602595a1e7-Leyva, Jacq]; Wang, Tianyi@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=daf800d05a634d4692c2a2d6bd1127ba-b03e91a7-bf]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Ben Beattie [BBeattie@ysaqmd.org]
Subject: RE: Corby BESS project materials

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Hi Wenjun,

Thank you for providing us with this information. We will review the documents and reach out to you if we have any additional comments/concerns aside from the topics that we discussed in our meeting yesterday.

Thank you again for including us in the review process for the two BESS projects. We appreciate the coordination and opportunity to provide input.

Regards,

Emmanuel Orozco | Engineering Manager

Yolo-Solano Air Quality Management District
1947 Galileo Court, Suite 103 | Davis, CA
(530) 757-3665 | www.ysaqmd.org

From: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>
Sent: Thursday, October 9, 2025 9:51 AM
To: Emmanuel Orozco <EOrozco@ysaqmd.org>; Eden Winniford <EWinniford@ysaqmd.org>
Cc: Jiang, Tao@Energy <Tao.Jiang@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Record, Jacquelyn@Energy <Jacquelyn.Record@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Subject: Corby BESS project materials

Hi Emmanuel and Eden,

It was nice talking with you yesterday. We'd like to let you know that all project materials for the Corby BESS project are docketed on this webpage: <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=24-OPT-05>. The following are some of the documents we believe will be of most interest to you. I've also attached the latest CalEEMod .json files. Please let us know if you have any comments regarding the generator use during construction or any other concerns.

TN #	Docketed Date	Document Title	Note
259885	11/4/2024	<u>Volume 2 App 4-3 Air Quality Appendices</u> 181 page(s)	AQ appendices in the original application
263989	6/5/2025	<u>Air Quality and Greenhouse Gas Technical Report - Redline</u> Redline comparison of May 2025 AQ/GHG Report text with October 2024 version. Air Quality, Public Health, Greenhouse Gases 52 page(s)	Revised AQ and GHG technical report dated May 2025
266307	10/3/2025	<u>Data Response Set #4</u> Applicant responses to Data Requests REV 1 DR WS/FP/PH-1 through 4 and REV2 DR ALT-1 through 2 Air Quality, Alternatives, Public Health, Worker Safety and Fire Protection 40 page(s)	This includes modeling results for BESS fire/thermal runaway impacts.

Best Regards,
Wenjun Qian, Ph.D., P.E.
Program and Project Supervisor
Air Quality and Public Health Unit
Engineering Branch
Siting, Transmission, and Environmental Protection Division
Cell: (916) 695-5448

California Energy Commission
Website: www.energy.ca.gov



From: Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]
Sent: 10/13/2025 1:45:21 PM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Subject: RE: Corby BESS
Attachments: parks and Rec Facility Permit 10833 2025-10-13.pdf

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Hi Renee,

We just want to confirm that what we submitted for the alternatives section regarding the Lambie Industrial Park is adequate. We have seen a number of general comments and can provide additional information if needed.

Regarding the scoping meeting logistics, we proactively reached out to the Ulati Center. They are available on 11/6, but payment is required to reserve the venue. Please find the cost estimate attached to this email.

Finally, here is an update on the informal review:

The DoD reviewed the project in response to the Informal Review Request we submitted and indicated that there were no concerns from a DoD perspective at the time of the review. The DoD Informal Review process focuses on identifying any DoD-specific airspace concerns and does not include an FAA review.

Sara DiSciorio from Capitol Airspace Group reached out to the Clearinghouse on our behalf.

Sara DiSciorio
Capitol Airspace Group
Cell: (571) 447-9369
Email : sara.disciorio@capitolairspace.com

The DoD Clearinghouse
Military Aviation and Installation Assurance Siting Clearinghouse
Office of the Assistant Secretary of Defense (Energy Resilience and Optimization)
Email: osd.pentagon.ousd-a-s.mbx.asd-eie-rp-sc@mail.mil

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Monday, October 13, 2025 3:12 PM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS

Hi Stephen,

Are there specific items related to the Lambie Industrial Park alternative site that you would like to discuss or general comments?

Renee Longman AICP, LEED AP BD+C

Project Manager
Siting, Transmission and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Sent: Friday, October 10, 2025 4:55 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS

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Hi Renee,

Happy Friday and thank you for checking in. Our legal team is not planning to join the call and I would like to add one more item to the agenda.

- Alternatives: Lambie Industrial Park

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Friday, October 10, 2025 4:44 PM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: Corby BESS

Hi Stephen,

Happy Friday! I'd like to quickly coordinate on Tuesday's call. Here are a couple bullet points for items I would like to cover. If there are specific topics, you would like to discuss if you could please let me know. Also, please let me know if you intend to have legal counsel on the 10/14 call.

- Informational and Environmental Scoping Meeting Logistics
- Are there any updates, on the Informal Review with Travis AFB from what was submitted in the application? Can you provide the point of contact information for our mailing list?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting and Environmental Branch
Siting, Transmission and Environmental Protection Division
1-916-937-3538

California Energy Commission
Website: www.energy.ca.gov



From: Emmanuel Orozco [EOrozco@ysaqmd.org]
Sent: 10/22/2025 8:02:47 AM
To: Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]
Subject: RE: 1 Document(s) filed in Corby Battery Energy Storage System Project, 24-OPT-05, Notice of Preparation of a Draft Environmental Impact Report for the Corby Battery Energy Storage System Project

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Hi Wenjun,

Thank you for updating us on the status of this application. As we discussed when we met, we'd be very interested in any analysis that was put together by the applicant regarding potential emissions (criteria & toxics) released by the BESS storage components during thermal runaway events and/or equipment fires. Additionally, any dispersion modelling and health risk analyses which were conducted would be of interest to us.

Thank you!

Emmanuel Orozco | Engineering Manager

Yolo-Solano Air Quality Management District

1947 Galileo Court, Suite 103 | Davis, CA

(530) 757-3665 | www.ysaqmd.org

From: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>
Sent: Monday, October 20, 2025 10:29 AM
To: Emmanuel Orozco <EOrozco@ysaqmd.org>; Eden Winniford <EWinniford@ysaqmd.org>
Subject: FW: 1 Document(s) filed in Corby Battery Energy Storage System Project, 24-OPT-05, Notice of Preparation of a Draft Environmental Impact Report for the Corby Battery Energy Storage System Project

Emmanuel and Eden,

We have deemed the Corby BESS project application complete. Attached please find the NOP.

Please let us know if you have any questions or comments.

Thanks.

Wenjun Qian, Ph.D., P.E.

Program and Project Supervisor

Air Quality and Public Health Unit

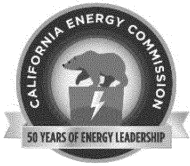
Engineering Branch

Siting, Transmission, and Environmental Protection Division

Cell: (916) 695-5448

California Energy Commission

Website: www.energy.ca.gov



From: California Energy Commission <CEC@public.govdelivery.com>

Sent: Monday, October 20, 2025 10:07 AM

To: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>

Subject: 1 Document(s) filed in Corby Battery Energy Storage System Project, 24-OPT-05, Notice of Preparation of a Draft Environmental Impact Report for the Corby Battery Energy Storage System Project

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Dear Subscribers,

The following 1 Document(s) submitted to Docket Number **24-OPT-05** have been published:

Docket Number: 24-OPT-05

Project Title: Corby Battery Energy Storage System Project

TN Number: 266663

Title: Notice of Preparation of a Draft Environmental Impact Report for the Corby Battery Energy Storage System Project

Description:

Filer: Marichka Haws

Organization: California Energy Commission

Role: Commission Staff

Submission Date: 10/20/2025 9:57:30 AM

Docketed Date: 10/20/2025

Subject(s):

Submission Type: Document

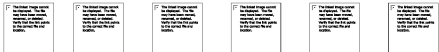
Page(s): 17

Thank you,

10/20/2025 10:06:52.443

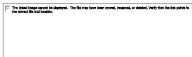
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Sacramento, CA 95814



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This email was sent to wenjun.qian@energy.ca.gov from the California Natural Resources Agency utilizing govDelivery. California Natural Resources Agency, 715 P Street, Sacramento, CA 95814



From: Luo, Yiming@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=F5DF6732DBCF4FD3A7BC7639E421BE64-D849B685-C5]
Sent: 11/12/2025 10:19:42 AM
To: rboloyan@cityofdixon.us
CC: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
Subject: Cumulative projects list request for Corby Battery Energy Storage System Project

Hello Raffi,

My name is Yiming and I'm a student assistant in the CEQA Project Management Unit at the California Energy Commission. As the lead agency under CEQA for the proposed [Corby Battery Energy Storage System Project](#), we are reaching out to see whether your jurisdiction would be able to provide a list of current and reasonably foreseeable projects that could be considered in a cumulative impacts analysis.

Please feel free to reply if you have any questions.

Thank you,
Yiming

Yiming Luo

Student Assistant

California Energy Commission

916-232-6321

STEPSiting@energy.ca.gov
www.energy.ca.gov



From: Gies, Laura [Laura.Gies@nexteraenergy.com]
Sent: 11/4/2025 5:15:04 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
CC: Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Subject: Fact Sheets for Thursday's Meeting
Attachments: ACP_Energy-Storage-Leading-on-Safety_FactSheet.pdf; NEER_generation_portfolio_Fact Sheet_09.2024 (3).pdf; FACT SHEET_Corby_10302025.pdf; California State Fact Sheet - Summer 2025 - final.pdf

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Good morning,

Here are the fact sheets we'll have available Thursday.

Please let me know if you have any questions!

Thank you,
Laura

Laura Gies
Senior Communications Strategist
Marketing & Communications
NextEra Energy Resources

Mobile: 561-906-3746
NextEra Energy Resources Media Line: 561-694-4442

Energy Storage Leading on Safety

Utility-scale battery energy storage is safe and highly regulated, growing safer as technology advances and as regulations adopt the most up-to-date safety standards.

Background

Energy storage systems (ESS) are critical to a clean and efficient electric grid, storing clean energy and enabling its use when it is needed. Installation is accelerating rapidly—as of Q3 2023, there was seven times more utility-scale energy storage capacity operating than at the end of 2020. This growth is driving job creation, investment in American manufacturing, and is improving grid resilience and energy security.

However, because energy storage technologies are generally newer than most other types of grid infrastructure like substations and transformers, there are questions and claims related to the safety of a common battery energy storage technology, lithium-ion (Li-ion) batteries. All of these questions and claims can be addressed with facts. The industry continues to address these concerns to ensure community confidence in this increasingly essential electric grid infrastructure.

CLAIM: The incidence of battery fires is increasing.

FACTS: Energy storage battery fires are decreasing as a percentage of deployments.

- Between 2017 and 2022, U.S. energy storage deployments increased by more than 18 times, from 645 MWh to 12,191 MWh¹, while worldwide safety events over the same period increased by a much smaller number, from two to 12².
- During this time, codes and standards regulating energy storage systems have rapidly evolved to better address safety concerns.



Photo credit: Fluence

CLAIM: Today's larger battery systems use tens of thousands of cells, so fires are inevitable.

FACTS: Cell failure rates are extremely low, and safety features in today's designs further reduce the probability of fires.

- One estimate from 2012 quotes a failure rate ranging from 1 in 10 million to 1 in 40 million cells³, and there are undoubtedly improvements from these levels.
- Lithium-ion batteries experience extremely low failure rates, as shown by electric vehicle data.
 - Tesla alone sold nearly 900,000 vehicles in the first half of 2023⁴. These sales of new vehicles represent around three-quarters of a billion cells, but safety events involving all EVs on the road globally, from all manufacturers, amounted to just a few dozen fires.
- Today's energy storage systems (ESSs) predominantly use safer lithium-iron phosphate (LFP) chemistry, compared with the nickel-manganese-cobalt (NMC) technology found in EVs.
 - LFP cell failure results in less energy release and a lower probability of fire.
- ESS designs incorporate features to avoid propagation of cell failure within the battery, contributing to improved safety.

¹ US Energy Storage Monitor, Q1 2023 full report and 2022 Year in Review, Wood Mackenzie Power & Renewables/American Clean Power Association, <https://www.woodmac.com/industry/power-and-renewables/us-energy-storage-monitor/>

² Electric Power Research Institute, BESS Failure Event Database, https://storagewiki.epri.com/index.php/BESS_Failure_Event_Database

³ D. Doughty, Vehicle Battery Safety Roadmap Guidance, National Renewable Energy Laboratory, October 2012, <https://doi.org/10.2172/1055366>

⁴ EV sales: Hyundai overtakes GM, but Tesla's U.S. dominance continues

CLAIM: E-bike and e-scooter fires have resulted in deaths—so large batteries for energy storage may be even more deadly.

FACTS: No deaths have resulted from energy storage facilities in the United States. Battery energy storage facilities are very different from consumer electronics, with secure, highly regulated electric infrastructure that use robust codes and standards to guide and maintain safety.

- E-mobility devices have been lightly regulated in the past, and some products have used poor-quality battery cells and ineffective safety systems.
- They are also charged inside homes, sometimes along egress routes, creating a high level of risk.
- Like EV batteries, ESS battery systems are highly regulated and subject to stringent certification and testing requirements.
- The difference in regulation is evident in vehicle statistics. Worldwide, for the first half of 2023, EV FireSafe cites 500+ light electric vehicle (E-bike and E-scooter) battery fires, but only 44 passenger EV fires⁵.
- Additionally, utility-scale energy storage systems are located within secure facilities with site plans explicitly designed around maximizing safety of those operating the facilities and their neighbors.
- The ESS industry meets with and shares best practices with first responders and communities.
- Lessons learned from earlier ESS incidents have been reflected in the evolution of codes and standards. Often, companies go beyond mandatory testing to test more extreme failure scenarios.
- Altogether, like other electric grid infrastructure, energy storage systems are highly regulated and there are established safety designs, features, and practices proven to eliminate risks to operators, firefighters, and the broader community.
- The industry is committed to meeting these standards, such as NFPA 855, which are regularly updated to reflect the latest evidence-based best practices.



Photo credit: AES

CLAIM: Battery fires emit toxic fumes and pose a risk to the community

FACTS: Past incidents demonstrate that fires are contained within the facility, and air quality in neighboring areas remains at safe levels.

- Laboratory testing of emissions from Li-ion cells in thermal runaway shows that emissions are similar to those found in plastics fires⁶.
- During an ESS battery fire, only trace amounts of chemicals are detected in sampling around the event, and overall air quality remains at safe levels.
- During a fire at a Tesla Megapack at Moss Landing in California, air-quality testing showed no hazards to human health⁷.

CLAIM: Fire suppression systems should be mandatory for all lithium-ion battery systems.

FACTS: Regulations that aren't vetted by organizations like the National Fire Protection Association or are inconsistent with the International Fire Code may make projects less safe.

- Established national and international codes and standards already require BESS to incorporate the appropriate safety features to contain any potential fires or thermal events.
- Successful suppression of a fire does not guarantee that the underlying thermal runaway event has been terminated, so containing a fire is the best way to protect first responders and communities.
- The energy storage industry is working to avoid events such as the explosion at an installation in McMicken, Arizona, in which four firefighters were injured⁸. Prior to this event, the industry was focused on extinguishing fires as quickly as possible, but McMicken showed that explosion can be a greater hazard and fire containment is a better strategy.
- The accepted best practice for the rare ESS fires that do occur is to contain them, managing the burn of the limited affected unit in a controlled manner while protecting nearby structures and equipment. This strategy eliminates any explosion hazard, avoids issues with stranded energy and reignition, and minimizes contaminated runoff of firefighting water.
- Codes and standards are changing to reflect this practice, placing an emphasis on explosion prevention. One proposal for the 2026 edition of NFPA 855, *Standard for the Installation of Stationary Energy Storage Systems*, would forbid installation of traditional clean-agent or aerosol fire suppression systems unless testing demonstrates that use of such systems does not create an explosion risk.

⁵ EV FireSafe, All Electrified Transport LIB Fire Incidents, Global, 1st January to 30th June 2023, <https://www.evfiresafe.com/ev-battery-fire-overview>.

⁶ DNV-GL, Considerations for ESS Fire Safety, Report for Consolidated Edison and NYSEERDA, 2017

⁷ Air quality testing showed no hazards to human health amid battery fire in Moss Landing

⁸ Arizona ESS Explosion Investigation and Line of Duty Injury Reports Now Available

Providing Energy Solutions

We have the resources, experience and technology to power the American economy



The Wheatridge Renewable Energy Center in Morrow County, Oregon is the first large-scale energy facility in North America to combine wind, solar and battery energy storage at a single location.

About NextEra Energy Resources, LLC

Our American-owned company is committed to growing the economy, protecting the environment and supporting the communities our projects call home.

We are the world's largest generator of renewable energy from the wind and sun, and a world leader in battery energy storage. Nearly all of our electricity comes from clean or renewable resources, including wind, solar, natural gas and nuclear energy facilities located in 41 states and Canada. Our success reflects the solid business practices of our parent company, NextEra Energy, Inc., a Fortune 200 company and one of the nation's leading clean energy companies.

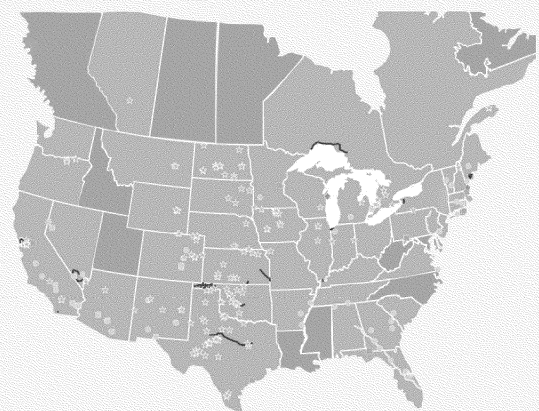
We live and operate by our values:

- » We are committed to excellence.
- » We do the right thing.
- » We treat people with respect.



NextEra Energy Resources Generation Facilities

(As of Dec. 31, 2023)



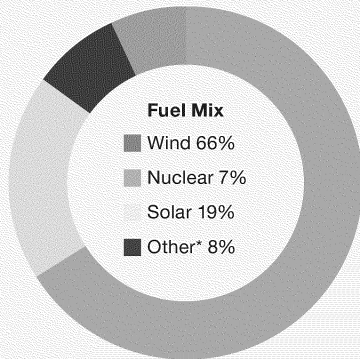
- Battery Energy Storage ★ Wind ● Universal Solar
- ◆ Nuclear ▲ Natural Gas ▼ Other
- Transmission - - - Pipeline
- State with Project in Operation

Locations with more than one facility are illustrated with a single symbol.

Map does not include individual small-scale projects.

A diversified portfolio at NextEra Energy Resources

Total Net MW: 30,600 | As of Dec. 31, 2023



*Primarily natural gas.

Offering clean, homegrown power

NextEra Energy Resources has approximately 30,600 megawatts (MW) of total net generating capacity in the U.S. and Canada. This includes wind, solar, natural gas and nuclear energy resources.

We operate power plants and provide wholesale power generation to other utilities, retail electricity providers, power cooperatives, municipal electric providers and both large and small companies in need of reliable and affordable electricity.

Bringing experience in renewable energy

NextEra Energy Resources has been involved in clean energy development since the 1980s. We have earned a reputation for excellence and experience in developing, constructing and operating wind, solar and battery energy storage projects across North America.

- » NextEra Energy Resources has developed approximately 30,600 MW of cost-effective, reliable clean energy, which is enough to power 81 million homes for a year.
- » NextEra Energy Resources uses its experience to complete projects effectively and efficiently. We have teams who deliver materials needed to build and operate a site, even when the supply chain is disrupted.
- » NextEra Energy Resources' strong financial position allows us to build cost-effective projects and weather the ups and downs of the economy.

Our Technology

As of Dec. 31, 2023



67
Solar energy centers



~170
Wind energy centers



40
Battery energy storage systems

Building relationships across North America

At every stage of a project, NextEra Energy Resources strives to establish a positive relationship with the community, listen to neighbors, share information and ensure the project fits the interests and priorities of the community. Projects developed by NextEra Energy Resources bring:

- » Increased tax revenue and business activity for the local area.
- » Several good paying, full-time jobs.
- » Hundreds of construction jobs.

Renewable energy projects represent a clean, low-cost option to meet energy needs. NextEra Energy Resources is building strong relationships with companies across North America that are buying electricity to provide to residential and commercial markets throughout their service areas.

Operating in harmony with the environment

NextEra Energy Resources incorporates environmental stewardship into the design, construction, operation and maintenance of our facilities. Through our commitment, we are working to ensure that the growing demand for power is met in the most environmentally responsible manner.



Top: Golden Hills Wind Energy Center; Bottom: Cool Springs Solar Energy Center.

Corby Energy Storage

Project Benefits

- » Provides employment opportunities for Solano County
- » Solano County will receive millions of dollars in tax revenue over the life of the project
- » Increases local spending for goods and services during construction
- » Supports economy through purchase of regional goods and services
- » Charitable contributions to local organizations
- » Creates no air or water pollution
- » Uses no water in power generation
- » This project will meet all federal and National Fire Protection Agency (NFPA) standards
- » Batteries store energy and release it to customers when most needed
- » Support reliability and resiliency of the power grid



Hundreds of job opportunities

- » Up to 200 construction jobs

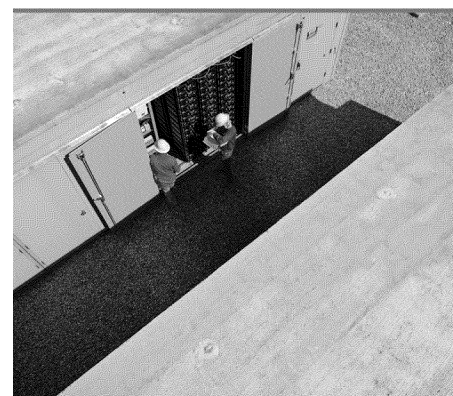


Approximately \$385 million investment*



Approximately \$70.5 million

in additional tax revenue*



Project overview

Location

Solano County, California

Expected to be operational in

2027

Capacity

Up to 300 MW

About Us

NextEra Energy Resources, LLC is advancing America's energy future with the largest and most diverse portfolio of power generation and infrastructure solutions. NextEra Energy Resources is one of America's largest wholesale generators of electric power in the U.S., leveraging all forms of energy across renewables, storage, natural gas, nuclear and other critical energy infrastructure, with approximately 33,410 megawatts of total net generating capacity.

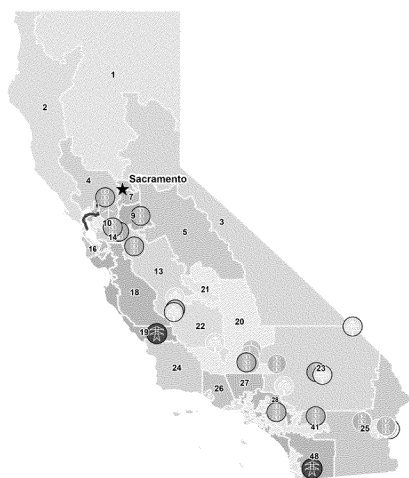
For more information, visit NextEraEnergyResources.com.

*Estimated over the first 30 years of project

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125304

NextEra Energy Resources in California



Legend:

- Wind energy centers
- Grid-scale solar
- Battery energy storage systems
- Transmission
- Development & construction

Wind energy centers

13

in operation

Grid-scale solar

18

in operation

4

in development

Battery energy storage systems

16

in operation

12

in development

Transmission

2

in operation

3

in operation

Benefits of our energy investments in California



Approximately **\$12.6 billion** total infrastructure investment



\$26.9 million annual land payments



\$29.5 million in property taxes, 2024*



11,412.8 megawatts (MW) operational energy

Our story

NextEra Energy Resources' subsidiaries have been helping fuel California's economic growth and quality of life, while moving our country toward energy independence. NextEra Energy Resources plays a role in the state's energy future through operations at its various generation facilities.

State fact

Since 2018, NextEra Energy Resources has donated more than \$500,000 to various organizations in California including schools and local non-profits.

*Annual Property Taxes: Includes property tax and other indirect taxes. Internal data based on 2024 full year.
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Wind energy centers			
Name	County	# Turbines	MW
Atla Wind VIII	Kern	50	150*
Coram	Kern	35	20.6*
Coram II	Kern	34	102*
Golden Hills	Alameda	48	85.9*
Golden Hills North	Alameda	20	46*
High Winds	Solano	90	162*
Montezuma	Solano	16	36.8
Montezuma II	Solano	34	78.2
North Sky River	Kern	100	162
Sky River	Kern	21	60.2
Vasco	Contra Costa	34	78.2
Windpower Partners 1993	Riverside	33	49.5
Windstar	Kern	60	120*
Grid-scale solar			
Name	County	MW	
Adelanto I and II	San Bernardino	27	
Argenta (development)	San Bernardino	300	
Arlington II	Riverside	233	
Arlington III	Riverside	131	
Blythe 110	Riverside	110	
Blythe 125	Riverside	125	
Blythe III	Riverside	125	
Blythe IV	Riverside	125	
Desert Sunlight**	Riverside	275*	
Equinox (development)	San Bernardino	500	
Genesis	Riverside	250*	
Grace Orchard (development)	Riverside	210	
Grace Orchard II (development)	Riverside	290	
Lock (development)	Fresno	500	
McCoy	Riverside	250	
Paulsell	Stanislaus	20	
Proxima	Stanislaus	190	
Resurgence I	San Bernardino	90	
Resurgence II	San Bernardino	48	
Shafter	Kern	20*	
Westside	Fresno	20*	
Whitney Point	Fresno	20*	

126074

Battery energy storage systems

Name	County	MW
Argenta (development)	San Bernardino	300
Arlington II	Riverside	132
Arlington III	Riverside	110
Blythe II	Riverside	115
Blythe III	Riverside	115
Blythe IV	Riverside	47
Blythe 110	Riverside	63
Corby (development)	Solano	300
Desert Peak	Riverside	400
Desert Sands (development)	Riverside	300
Espresso (development)	Alameda	300
Golden Flats (development)	Stanislaus	300
Key (development)	Fresno	300
Kola	San Joaquin	400
Lock (development)	Fresno	500
McCoy	Riverside	230
North Central Valley	San Joaquin	132
Paulsell	Stanislaus	15
Proxima	Stanislaus	162
Resurgence I	San Bernardino	75
Resurgence II	San Bernardino	40
Roadhouse (development)	San Bernardino	300
Sunlight	Riverside	230
Sunlight II	Riverside	230
Tilia (development)	San Joaquin	300
Ursa Major (development)	Stanislaus	300
Vasco (development)	Contra Costa	50
Windstar (development)	Kern	120

*Includes megawatts associated with noncontrolling interests related to XPLR Infrastructure, LP

Transmission

Name	County	Circuit Miles	Voltage
Estrella Substation (development)	San Luis Obispo	-	230/70 kV
Ironwood (development)	Imperial	86	500 kV
Recon Substation (development)	Orange	-	500/230 kV
Suncrest Dynamic Reactive Support Substation	San Diego	-	230 kV 300 MVar
Trans Bay Cable	Contra Costa, San Francisco	53	-



NextEra Energy Resources, LLC
700 Universe Boulevard
Juno Beach, FL 33408

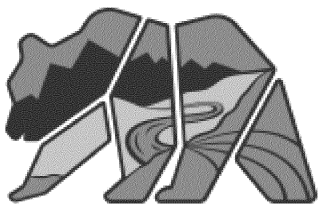
NextEraEnergyResources.com

From: Grundy, Farl@DOC [Farl.Grundy@conservation.ca.gov]
Sent: 11/3/2025 7:53:29 AM
To: Energy - Docket Optical System [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e924f373b3334346968cd56f6914ac02-Energy - Do]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: OPR State Clearinghouse [state.clearinghouse@opr.ca.gov]
Subject: Corby Battery Energy Storage System Project comments, SCH# 2025101073
Attachments: CorbyBESScomments.pdf

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Attached are the Department of Conservation's comments on the Corby Battery Energy Storage System Project, SCH# 2025101073. Please let me know if you have any problem viewing the attached comment letter as a hard copy of these comments will not be sent unless specifically requested.

Sincerely,



Farl Grundy

Associate Environmental Planner
Division of Land Resource Protection
Williamson Act / CEQA

California Department of Conservation

715 P Street, MS 1904
Sacramento, CA, 95814
E: Farl.Grundy@conservation.ca.gov
T: (916) 617-0522



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From: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
Sent: 11/18/2025 2:53:52 PM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Babula, Jared@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6cf386251c7a47f697f411cee0910882-Babula, Jar]; Lee, Ralph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0937fe7fbf2c439c8bf1fadee66d6483-Lee, Ralph@]; Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]; Ahn, Stephen [stephen.ahn@nexteraenergy.com]; Omercajic, Nadan [nadan.omercajic@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]; Waterman, Ryan R. [rwaterman@bhfs.com]; Esposito, Elisabeth L. [eesposito@bhfs.com]; Urry, Doug [DOUG.URRY@tetrattech.com]
Subject: Corby BESS: Legal Call to Discuss Encroachment
Location: Microsoft Teams Meeting
Start: 11/21/2025 10:30:00 AM
End: 11/21/2025 11:30:00 AM
Show Time As: Busy

Required Attendees: Longman, Renee@Energy; Babula, Jared@Energy; Lee, Ralph@Energy; Ziff, Briana@Energy; Ahn, Stephen; Omercajic, Nadan
Optional Attendees: Chang, Kaycee@Energy; Knight, Eric@Energy; Waterman, Ryan R.; Esposito, Elisabeth L.; Urry, Doug

NextEra attempted to negotiate franchise and encroachment agreements with the Solano Irrigation District and the City of Vacaville, but they have not been cooperative. NextEra is seeking guidance regarding CEC's authority to allow encroachment onto various rights-of-way or parcels held by public agencies.

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 279 326 196 887 69

Passcode: fK2iz2W8

Dial in by phone

+1 916-562-1816,,653297443# United States, Sacramento

[Find a local number](#)

Phone conference ID: 653 297 443#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

From: Gregory Darvin [darwin@atmosphericdynamics.com]
Sent: 11/4/2025 2:19:11 PM
To: Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives
Attachments: Appendix A Thresholds of Significance Justification_final pdf-1.pdf; CEQA Guidelines Chapter 3 Thresholds_final_v2 pdf-5.pdf

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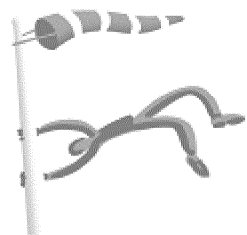
No problem.

Here is where I found the discussion of the use of ERPG's .

Regards.

Gregory Darvin

Atmospheric Dynamics, Inc.
Torres Street 3 SW of Mountain View
Sundog
P.O. Box 5907
Carmel-by-the-Sea, CA 93921
[darwin@atmosphericdynamics.com](mailto:darvin@atmosphericdynamics.com)
831.620.0481 (land line)



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From: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>
Sent: Tuesday, November 4, 2025 1:57 PM
To: Gregory Darvin <darwin@atmosphericdynamics.com>
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Hi Greg,

Sorry I missed your call. I tried to reset the voicemail greeting multiple times, but it didn't work. Regarding your question, I'll need to ask our staff and consultants regarding the use of ERPG vs REL and then get back to you.

Thanks.

Wenjun Qian, Ph.D., P.E.

Supervisor (Air Quality and Public Health)

Siting, Transmission, and Environmental Protection Division

From: Gregory Darvin <darwin@atmosphericdynamics.com>

Sent: Tuesday, November 4, 2025 10:00 AM

To: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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Hi Wenjun.

I called your cell but it went to someone else's voicemail.

Question: The BAAQMD (or BAAD) lists the ERPG level 2 as the guideline value to use if a project has a significant air quality impact. This is from the 2022 updated CEQA Guidelines.

I'm working on a BESS in the BAA(D)(QMD) ☹️ and wanted to know what your thoughts are for using this significance criteria. The text below is from the BAAQMD justification document for significance:

The BAAQMD currently recommends, at a minimum, that the lead agency, in consultation with the administering agency of the Risk Management Prevention Program (RMPP), find that any project resulting in receptors being within the Emergency Response Planning Guidelines (ERPG) exposure level 2 for a facility has a significant air quality impact. ERPG exposure level 2 is defined as "the maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour without experiencing or developing irreversible or other serious health effects or symptoms which could impair an individual's ability to take protective action."

Staff proposes continuing with the current threshold for the accidental release of hazardous air pollutants. Staff recommends that agencies consult with the California Emergency Management Agency for the most recent guidelines and regulations for the storage of hazardous materials. Staff proposes that projects using or storing acutely hazardous materials locating near existing receptors, and projects resulting in receptors locating near facilities using or storing acutely hazardous materials be considered significant.

The current Accidental Release/Hazardous Air Emissions threshold of significance could affect all projects, regardless of size, and require mitigation for Accidental Release/Hazardous Air Emissions impacts.

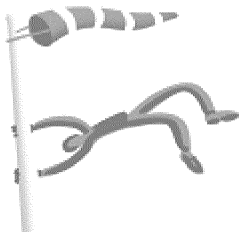
While the use of REL's and HARP to calculate the HI is conservative, I'm not sure that the use of RELs is applicable to emergency response modeling when the source characteristics are not steady state and exposures are of a short duration.

Anyway, your thoughts would be helpful.

Thanks.

Gregory Darvin

Atmospheric Dynamics, Inc.
Torres Street 3 SW of Mountain View
Sundog
P.O. Box 5907
Carmel-by-the-Sea, CA 93921
darwin@atmosphericdynamics.com
831.620.0481 (land line)



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From: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>
Sent: Thursday, October 9, 2025 11:16 AM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Gregory Darwin <darwin@atmosphericdynamics.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Thank you, Greg and Nadan. We noticed that the emission factors (in mg/kg) used for Corby are much lower than those used in the Vistra Morro Bay analysis done by Ramboll. For comparison purposes, I included snapshots of the emission factors used for Corby and those used for Vistra Morro Bay. It would be helpful for us if you could explain how you determined to use these emission factors and which reference you used for each TAC. I would prefer to review a detailed written response for each of the TACs, so that we can confirm the numbers. Greg, if you have any questions, please give me a call.

Corby (in Response to DR Set #4):

Table 2 BESS Fire Emissions Conversions and Calculations										
		Site Evaluated:							Corby BESS	
mg/kg to lb/lb battery weight										
	Substance >>>>	Hydrogen Fluoride	Hydrogen Chloride	Formaldehyde	Hydrogen Cyanide	Hydrogen Bromide	NH3	NOx	SOx	THC
Enter mg/kg value:		2460	1188.7	500	170	367	20	1426	2375	9800

Vistra Morro Bay (Ramboll 2024):

Table 3-4: Selected emission factors

Species	Emission Factor [mg/kg of battery]	Basis
HF	11,320	Study #2. Maximum of all studies reviewed with enough data to derive mg/kg emission factor.
HCl	2,575	Study #9. Maximum of all studies reviewed with enough data to derive mg/kg emission factor.
HCN	1,253	Study #10. Maximum of all studies reviewed with enough data to derive mg/kg emission factor. The study involved testing of batteries of different masses and capacities and reports a representative (or average) emission rate (in g/s). To convert this rate to mass basis, emission factor was derived assuming the smallest battery cell mass considered in the study (0.5 kg). This approach produces the most conservative (maximum) emission factor in mg/kg.
CO	46,228	Study #11. Maximum of all studies reviewed with enough data to derive mg/kg emission factor.

Thanks.

Wenjun Qian, Ph.D., P.E.

Program and Project Supervisor

Air Quality and Public Health Unit

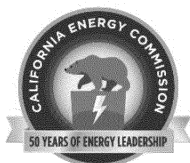
Engineering Branch

Siting, Transmission, and Environmental Protection Division

Cell: (916) 695-5448

California Energy Commission

Website: www.energy.ca.gov



From: Omercajjc, Nadan <Nadan.Omercajjc@nexteraenergy.com>

Sent: Thursday, October 9, 2025 7:36 AM

To: Gregory Darvin <darwin@atmosphericdynamics.com>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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Thank you, Greg. If the subject warrants further discussion based on CEC staff review, we are happy to facilitate a call with the key stakeholders to discuss in detail.

Thanks again,

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Gregory Darvin <darwin@atmosphericdynamics.com>
Sent: Wednesday, October 8, 2025 4:44 PM
To: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>
Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Hi Wenjun.

The link below contains the requested information from your October 7th email.

The seven zip files (C1-C7.zip) contain the HARP output results for the seven modeling locations as described in the technical report that accompanied the data responses.

The modeling input/output files are also included in the zip file called CorbyChiQModeling.zip which also include the receptor file.

Lastly, the working spreadsheet with the emission calculations are included.

Your question as to the justification, this was simply a unit conversion. The emission factors were originally in mg of emissions per kg of battery weight. This was converted into mg/lb and then lb/lb. So

The Table 2 spreadsheet contains the emission factors from other burn studies from a variety of lithium battery types. As noted in the text, a review of the cell, module, and unit tests, as well as the large-scale burn test did not yield any emissions data on a number of other substances clearly identified as “sampled” in the test report. Graphical data for ethane, ethylene, hydrogen chloride (HCl), hydrogen cyanide (HCN), and hydrogen fluoride (HF) was presented for the large-scale test, but this data in its present form (graphical, not numerical) is not useable for purposes of determining emissions rates. Additionally, the sampling methodology did not allow for calculating a volume or flowrate associated with the graphical concentration data, which is required to calculate mass emission rates.

To supplement the test UL data, additional publicly available emissions data from reports on other BESS projects were reviewed and utilized for this analysis. This data included the use of the following sources:

- Vistra MBPP, OCA, Ramboll, 3/2024
- Baseline Environmental, Soda Mtn. Solar AQ Report, 7/2025
- Island Green Power Limited-Cottam Solar Project, Tetra-Tech, 11/2023 (LFP Battery Test)
- Dudek, Viridi Bess Project, 5/2025
- Dudek, Compass Energy Storage Project, May 2025.

- Fisher Engineering, Tesla Megapack 2, Jan 2023.
- Hithium Block 5 LSFT, UL LLC, 2025
- INERIS, 2022 (2) Willstrand et al., 2020 (3) Hynynen, 2023

The emission factors for hydrogen fluoride (HF), hydrogen chloride (HCL), hydrogen cyanide (HCn), hydrogen bromide (HBr), and formaldehyde (FORM) were developed from these sources and are based on the assumed mass of batteries experiencing a thermal event and the duration over which the emission will occur. The data shows that emissions from battery fires are closely related to the mass change from the battery before and after the fire, known as mass loss. While this data is from a variety of battery technologies which may or may not represent the lithium iron phosphate battery type at the Corby BESS, the emissions data from these studies was adjusted for the specific weights and burn time period (14.5 hours) to align with the CATL EnerC+ Large Scale Burn Test (January 2025). Then, averaged across the tests for each compound and then adjusted for the weights and time period of 14.5 hours to match the UL 9540A Cell Level Test (August 2023). The emissions of both criteria pollutants and hazardous air pollutants were modeled using the average across the tests, for each specific substance. The additional data is presented in Table 2.

☐CEC

Gregory Darwin

Atmospheric Dynamics, Inc.

Torres Street 3 SW of Mountain View

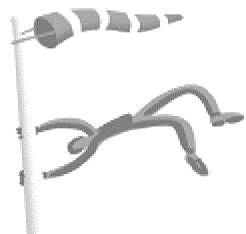
Sundog

P.O. Box 5907

Carmel-by-the-Sea, CA 93921

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831.620.0481 (land line)



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From: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>

Sent: Tuesday, October 7, 2025 11:18 AM

To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Gregory Darwin <darwin@atmosphericdynamics.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>; Wang, Tianyi@Energy <Tianyi.Wang@energy.ca.gov>; Ding, Yifan@Energy <Yifan.Ding@Energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Hi Greg,

Could you please provide the modeling files, along with the spreadsheets used for the emission calculations (Tables 1 and 2 in the data response [TN 266307])? Could you also provide a justification for the emission factors used in the modeling, particularly those presented in Table 2 (in terms of mg/kg)?

Thanks.

Wenjun Qian, Ph.D., P.E.

Supervisor (Air Quality and Public Health)

Siting, Transmission, and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Sent: Friday, October 3, 2025 6:43 PM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>

Subject: Re: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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Hi Renee,

I reached out to our consultant for the corresponding modeling file and will follow up here when I have it. Have a great weekend and talk soon.

Stephen Ahn | *Project Director*

NextEra Energy Resources

Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Friday, October 3, 2025 4:32 PM

To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Hughes, Joseph@Energy <Joseph.Hughes@energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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Hi Stephen,

We have received Data Request Response Set 4 (TN 266307). Can you please also send the corresponding modeling files?

Thank you,

Renee Longman AICP, LEED AP

Project Manager

Siting, Transmission and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Sent: Friday, October 3, 2025 4:07 PM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>

Subject: RE: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

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

Hi Renee,

Data Request Response #4, in response to REV 1 DR WS/FP/PH-1 through -4 (docketed August 1, 2025) and REV 2 DR ALT-1 and -2 (docketed October 2, 2025), has been docketed along with the supplemental plume model analysis. We believe that, with submittal of this information, we have achieved application completeness for this project. (PRC, sec. 25545.4 (c)(2) ["An application is deemed completed as follows: (2) Immediately upon acceptance of the additional information requested by the executive director . . ."]). For context, this completeness determination is critically important, as the project would be in jeopardy of defaulting on contractual obligations with monetary penalties in the tens of millions of dollars, as well as causing Load Serving Entities to miss the CPUC's 2027 procurement order, if the application did not achieve completeness by October 17. Of course, we welcome continued collaboration with you and your team, as the project moves into the environmental review process. If additional information is requested post-completeness (e.g., pursuant to Public Resources Code, sec. 25545.4(d)), we will work as quickly as possible to provide such information. Thank you in advance and have a great weekend!

Stephen Ahn | *Project Director*

NextEra Energy Resources

Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Friday, September 26, 2025 5:09 PM

To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>

Subject: Corby BESS (24-OPT-05): Rev. 2 Data Requests for Alternatives

Hi Stephen,

Provided below are the Corby BESS Rev. 2 Data Requests for Alternatives. If you have any questions or would like a technical call to discuss, please let us know. Responses should be filed to the project docket.

ALTERNATIVES

Per California Code of Regulations, title 20, Appendix B (f) (1) and (f) (2), an application must include a discussion of a range of reasonable alternatives to the project, or alternative locations for the project, and a comparative evaluation of the engineering, economic, and environmental merits of the alternatives.

On July 25, 2025, CEC staff submitted data request REV 1 DR ALT-1 to the applicant via an email, which was uploaded to the docket on August 1, 2025 (TN 265205). REV 1 DR ALT-1, part b, requested a discussion of the

feasibility of the following non-lithium-ion battery technologies: flow battery, sodium-ion battery, and iron-air battery.

On September 5, 2025, the applicant submitted Data Request Response #3 to the docket (TN 265885), which provided a partial response to REV 1 DR ALT-1. In Data Request Response #3, the applicant provided a discussion of the feasibility of flow batteries, sodium-ion batteries, and lead-acid batteries. The applicant's response did not include a discussion of the feasibility of iron-air batteries as requested.

REV 2 DR ALT-1. Please provide a discussion of the feasibility of iron-air battery technology. If this technology is infeasible for the project, please provide justification of its infeasibility.

On January 23, 2024, the Solano County Board of Supervisors (BOS) adopted an interim ordinance (Ordinance No. 2024-1852-U) to prohibit new front-of-the-meter BESS facilities, and directed County planning staff to develop policy recommendations and standards for BESS facilities. On August 12, 2025, the Solano County BOS provided feedback and direction to County planning staff on the proposed policy recommendations and standards for BESS facilities. On August 26, 2025, the County BOS amended Ordinance No. 2024-1852-U to remove the complete prohibition on front-of-the-meter BESS facilities in Manufacturing and Industrial Zoning Districts, subject to specific standards. On September 18, 2025, the Solano County Planning Commission recommended approval to the County BOS of a proposed permanent ordinance that would amend Chapter 28 of the Solano County Code to allow front-of-the-meter BESS in specific Manufacturing and Industrial zoning districts, subject to siting and permitting requirements.

During the County BOS meetings on August 12, 2025, and August 26, 2025, County Supervisors discussed the Lambie Industrial Park as a suitable site for a BESS facility within Solano County (<https://www.solanocounty.gov/government/board-supervisors/board-supervisors-agendas-minutes-videos>).

Public comments submitted to the project docket have also identified Lambie Industrial Park as a possible site alternative (TN 265599). Lambie Industrial Park is an approximately 1,461-acre property bounded by Lambie Road, Goose Haven Road, and Creed Road. County Supervisors identified this property as potentially suitable for a BESS facility for the following reasons:

- The property has a Solano County Land Use designation of Industrial and is zoned Manufacturing General;
- The property is located further away from sensitive receptors (residences, schools, hospitals, etc.) than sites along the I-80 corridor; and
- The Lambie Energy Center is located in the southwest corner of the property.

CEC staff reviewed parcel maps of the area surrounding the Lambie Industrial Park and noted that the Montezuma Wind Energy Center, which is owned by the applicant, is located approximately 1.6 miles south of the industrial park. A substation and switchyards are located within the Montezuma Wind property.

Staff requests additional information on the Lambie Industrial Park and Montezuma Wind Energy Center sites to inform staff's alternatives analysis.

REV 2 DR ALT-2. Please provide the information below for each of two alternative project sites in southern Solano County being considered: (1) Lambie Industrial Park, and (2) Montezuma Wind Energy Center:

- a. A map illustrating the alternative site location;
- b. Size (acreage and megawatt capacity) of a BESS facility that could be constructed;
- c. Details on project components including access roads, substation/switching station, gen-tie line, and ancillary facilities;
- d. How the site meets the project objectives; and
- e. Any other site considerations that would facilitate or inhibit the development of a BESS.

Thank you,

Renee Longman AICP, LEED AP

Project Manager

Siting and Environmental Branch

Siting, Transmission and Environmental Protection Division

1-916-937-3538

California Energy Commission

Website: www.energy.ca.gov



Corby BESS

Check-List of Requirements for the LG BESS (ver 2)

- Confirm that the LG battery chemistry is LFP.UL 9540A test results
- Large Scale Fire Test results for a whole container as per their TN 263282 Appendix 12-C, DRR Set 2 part 2 (all of it)
- UL9540 certificate of Compliance
- UL1973 Certificate of Compliance
- Fire Protection System (as per their Appendix 2-D)
- Fire Protection including fire prevention internal and external sensors (gas & heat) and gas exhaust/explosion control systems
- Layout of BESS and Inverters as per their Figure 2 of PD
- Thermal Runaway Protection System
- Revised Appendix 6-C of DRR Set 2 part 1 DFPD PRELIMINARY FIRE SAFETY PRESENTATION (TN263281)
- Revised Appendix 12-B BESS container Operator Instructions and Maintenance Manual
- Hazard Mitigation Analysis (HMA) as per TN263281 Appendix 11-A page 232/393
- Fire Protection issues discussed with Chief Shafer of the Dixon Fire Department
- Revised Plume modeling (TN263282 Appendix 12-D and TN266307 Appendix 3-A) assuming emission gas composition would be different
- Information on new BMS including the interaction between units
- SDS for materials associated with the units (electrolytes, coolants, etc.)
- NFPA 69 compliance assessment (TN263281 Appendix 6-B)
- NFPA 855 compliance assessment (included in TN263281 Appendix 6-B)
- Safety/fire history of LG model proposed

Finally, regarding any other changes to the project as a result of the switch to LG BESS, please confirm that there would be no changes to fire protection measures that will be implemented for:

- Fuel storage, handling, and distribution,

- Onsite firefighting water pumping system, pressure, and power source,
- Compliance with NFPA 1142, and
- A fire water flow rate and storage.

From: Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]
Sent: 12/19/2025 4:30:38 PM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]; Babula, Jared@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6cf386251c7a47f697f411cee0910882-Babula, Jar]; Lee, Ralph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0937fe7fbf2c439c8bf1fadee66d6483-Lee, Ralph@]
Subject: Re: Corby - CEC and SID Coordination

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Thank you for the update and your patience. The memo has been drafted and is currently under internal review, but some reviewers are out for the holiday. We hope to share it later this year or early next year. Have a wonderful holiday.

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Saturday, December 20, 2025 3:41:19 AM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Ziff, Briana@Energy <Briana.Ziff@Energy.ca.gov>; Babula, Jared@Energy <Jared.Babula@energy.ca.gov>; Lee, Ralph@Energy <ralph.lee@energy.ca.gov>
Subject: RE: Corby - CEC and SID Coordination

Hi Stephen,

Staff has reached out to SID asking if they could meet to discuss and have not heard back. You had mentioned that NextEra legal is working on a write up. Will that be submitted in January?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Sent: Friday, December 19, 2025 10:28 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: Corby - CEC and SID Coordination

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Hi Renee,

Before the holiday, I wanted to ask whether you were able to connect with your counsel and whether they were able to connect with SID. Please let me know if you have any updates. Thank you and have a wonderful holiday season.

Stephen Ahn | *Project Director*

NextEra Energy Resources

Mobile: +1 713 829 9269



From: Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]
Sent: 12/8/2025 10:25:25 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
Subject: RE: Corby BESS Check-In Call

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Hi Renee, Kaycee,

I am circulating the agenda items from our end for tomorrow's call. Thank you again and talk soon!

- Corby's intention to move forward with the technology change (LG)
- CEC's updates on their SME review timeline

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

-----Original Appointment-----

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Monday, September 29, 2025 12:58 PM
To: Longman, Renee@Energy; Ahn, Stephen; Omercajic, Nadan
Cc: Chang, Kaycee@Energy
Subject: Corby BESS Check-In Call
When: Tuesday, December 9, 2025 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Corby BESS Check-In Call

Microsoft Teams [Need help?](#)

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Passcode: xW2sa7F8

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+1 916-562-1816,,765425312# United States, Sacramento

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Phone conference ID: 765 425 312#

Sent: 12/1/2025 2:09:27 PM
To: Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
Subject: RE: Corby BESS Check-In Call

Hi Stephen,

Regarding the change in technology, is your intent to change technologies or is that something being considered?

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Sent: Monday, November 24, 2025 9:42 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>
Subject: RE: Corby BESS Check-In Call

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Hi Renee,

Ahead of our check-in next week, I wanted to share the items we would like to discuss with you in the interest of time. Happy Thanksgiving and talk soon!

- Any additional data requests or questions on alternatives
- Technology change (CATL > LG)

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

-----Original Appointment-----

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Wednesday, November 12, 2025 2:29 PM
To: Ahn, Stephen; Omercajic, Nadan
Cc: Chang, Kaycee@Energy
Subject: Corby BESS Check-In Call
When: Tuesday, December 2, 2025 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Corby BESS Check-In Call

Microsoft Teams [Need help?](#)

Join the meeting now

Meeting ID: 257 473 859 717 2

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Find a local number

Phone conference ID: 765 425 312#

For organizers: Meeting options | Reset dial-in PIN

From: Tracy Ellison [tracy@solanolandtrust.org]
Sent: 5/27/2025 9:28:14 AM
To: Blinn, Brenda@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=35d13e8c62424b8a96837fec8ad35259-1dc2fa29-35]; Day, Melanie@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=44354e7b15974470b97624261afe8a90-6c13b129-a8]; Griswold, Marcus@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6693c874d7cf4abbb31b0a0d4555115b-6435743d-04]
CC: Grefsrud, Marcia@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4cae2e4113054707a12ac17d6a0d49fe-d65dd704-b3]; Sinclair, Crystal@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bbf6367d6e8e43139c891b332054ee8b-9ba716bc-ec]
Subject: RE: Solano Land Trust questions
Attachments: TN260461_20241204T135703_Solano County Initial Comments on Corby BESS Project Application (1).pdf

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Brenda, thank you for the feedback. I wanted to be sure I clarified that SLT is not/can not oppose the project under our By-laws, we are not able to take that stance. Though not perfect and, we understand that most all (county resps, residences of Vacaville and the county, local ag and the neighbors) would not like to see it land on prime ag land and so close to urban areas and active prime ag production, SLT has no way to oppose it. Our approach is, if it is going to happen then the mitigation for ag or habitat should take place with the local land trust and let us make the best of the funding and land conservation opportunities.

I am screening the mitigation proponent's application for mitigation for loss of ag land, and I asked them if they need Swainson's hawk and at first they said yes and now they understand they will not. That does not track for me. It is irrigated ag and provides the SH/BO foraging habitat. SLT will engage either way but wanted to hear from you what might be coming down the road.

I have attached the County's comments. They do not reference the habitat loss, if that is their additional interest or not. Do read Item 12 – Agricultural Impacts and Mitigation. SLT did advise the mitigation proponent that the County did recently approve an Ag Mitigation Ordinance that would require a 3:1 ag mitigation and the proponent has verbally agreed to that with me and understands SLT would participate only at that level, even though the proponent does not have to follow any county processes.

Let's stay in touch. Thank you Tracy

Tracy Ellison
Conservation Director
707.580.4263 cell
solanolandtrust.org



Land connects us all – protecting it today, saving it for tomorrow

From: Blinn, Brenda@Wildlife <Brenda.Blinn@wildlife.ca.gov>
Sent: Friday, May 23, 2025 2:43 PM
To: Day, Melanie@Wildlife <Melanie.Day@wildlife.ca.gov>; Griswold, Marcus@Wildlife <Marcus.Griswold@Wildlife.ca.gov>; Tracy Ellison <tracy@solanolandtrust.org>
Cc: Grefsrud, Marcia@Wildlife <Marcia.Grefsrud@wildlife.ca.gov>; Sinclair, Crystal@Wildlife <Crystal.Sinclair@wildlife.ca.gov>
Subject: RE: Solano Land Trust questions

Thanks for reaching out, Tracy. I'm aware of the Corby BESS project and my team and I are working with the CEC on reviewing and commenting on the applicant's application under the AB205 Opt-in process. We've provided comments and concerns to the CEC regarding the potential impacts of the project on Swainson's hawk and the inadequacy of the mitigation proposal. We provided additional comments to the CEC last month. I'll discuss your concerns as well with the CEC.

Regards,

Brenda Blinn
Senior Environmental Scientist (Supervisory)
California Department of Fish and Wildlife
Bay Delta Region
Habitat Conservation Program
Renewable Energy and Water Infrastructure Unit
Tel (cell): 707-339-0334

From: Day, Melanie@Wildlife <Melanie.Day@wildlife.ca.gov>
Sent: Friday, May 23, 2025 10:56 AM
To: Griswold, Marcus@Wildlife <Marcus.Griswold@Wildlife.ca.gov>; Blinn, Brenda@Wildlife <Brenda.Blinn@wildlife.ca.gov>; Tracy Ellison <tracy@solanolandtrust.org>
Subject: FW: Solano Land Trust questions

Hi Marcus and Brenda,

Can Marcus help Tracy with questions 1, and Brenda with question 3?

Tracy, for question 2 I have not heard of this but Brenda may have some input.

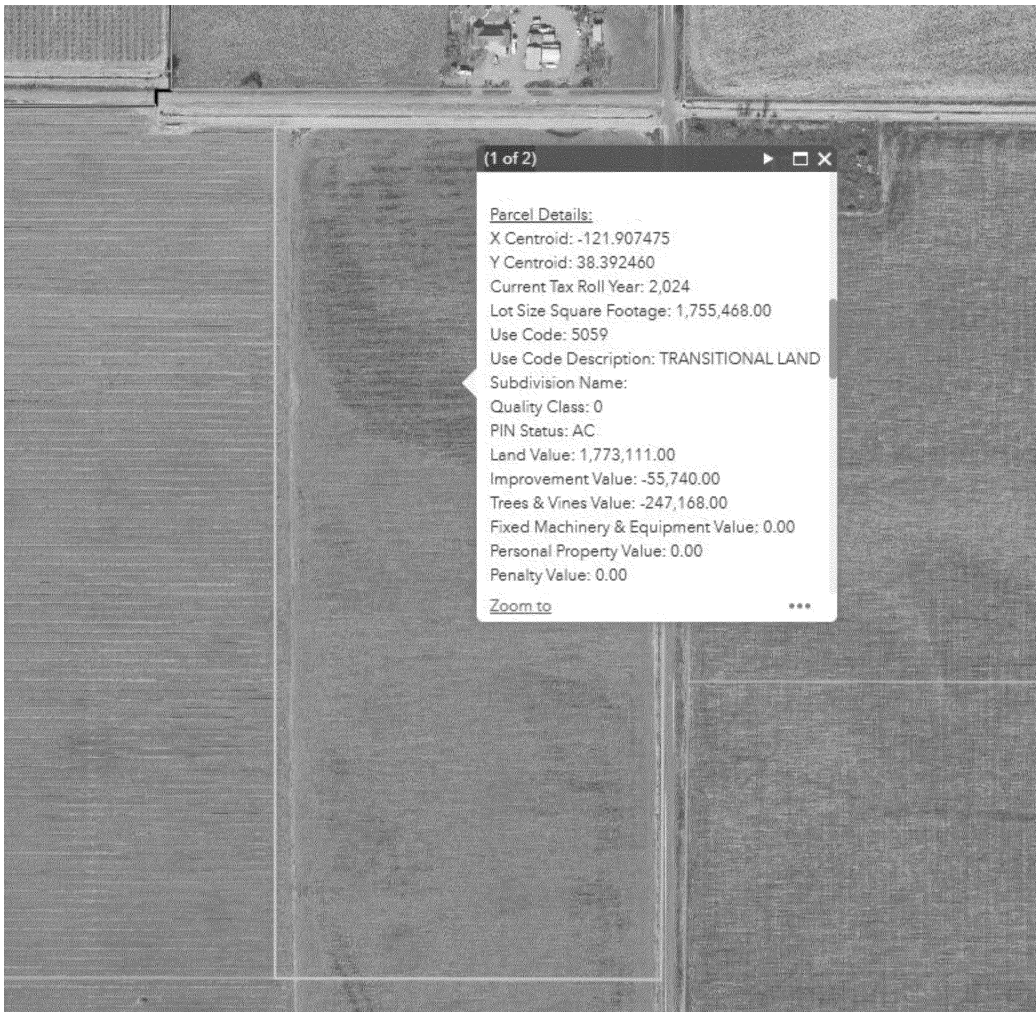
Melanie

Melanie Day
Senior Environmental Scientist (Supervisory)
California Department of Fish and Wildlife, Bay Delta Region
Environmental Review and Permitting
Solano, Napa, Sonoma, and Marin Counties
Melanie.Day@wildlife.ca.gov | (707) 210-4415

From: Tracy Ellison <tracy@solanolandtrust.org>
Sent: Thursday, May 8, 2025 4:18 PM
To: Day, Melanie@Wildlife <Melanie.Day@wildlife.ca.gov>
Subject: Solano Land Trust questions

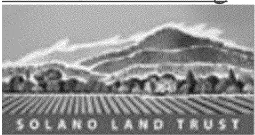
Hello Melanie, hope you are doing well. I have a few questions I hope you can help with or direct me to someone or some place to help me.

1. How can I get a hold of some wildlife corridor (multi or single species) shape files that are mapped, priority, recognized in Solano County? My interest is the Vaca-Mountains and lands south of Hwy 80 out into the Montezuma Hills to the Sacramento River.
2. The Dixon area of our county, specifically Dixon RCD's region struggles with weather event flooding or standing water and Dixon and the County are working on ditch infrastructure and recharge opportunities with ponds. Question- are there any innovated use of the Swainson's hawk mitigation requirement/easement that would allow for even larger water retention opportunities that are weather determinant. The farmer would farm under Swainson's hawk restriction, but if the weather event met a level of need for flood control or short-term retention it would fill and then be drained. The farmer would have to adjust their planting, seasonality, etc, to manage the farming and the floods.
3. I have a mitigation proponent that is placing a battery energy storage project on agricultural lands are a mixture of Prime Farmland, Farmland of Statewide Importance, and Unique Farmland. The project is under review by the California Energy Commission as the CEQA lead agency. There is an Assembly Bill that allows the CEC to bypass local jurisdiction and allow for 1. The county to say no to the project, 2. The mitigation proponent to follow local guidelines and approvals. I am being told by the mitigation proponent that no Swainson's hawk will be required. Have you engaged with any projects that the CEC is taking the lead or the stance that not habitat is being mitigated for? What I see as far as the county description is it is zoned or coded as TRANSITIONAL LAND (vacant as the mit. Proponent describes it. All the land around it is zoned Ag and activity farmed. I attached Corby Energy, LLC's Ag mitigation plan submitted to CEC and our counties comments.



Thank you for any help when time allows. Tracy

Tracy Ellison
Conservation Director
707.580.4263 cell
solanolandtrust.org



Land connects us all – protecting it today, saving it for tomorrow

From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 6/26/2025 12:36:40 PM
To: Scott Galati [sgalati@dayzenllc.com]
Subject: RE: Corby

Hi Scott-

Quick updated, I've followed up with staff members for both bio and worker safety/fire protection. They are working on a couple details first, but we hope to get calls set-up soon. There may also be a couple other items.

Thank you,

Renee Longman AICP, LEED AP
Project Manager
Siting, Transmission and Environmental Protection Division

From: Scott Galati <sgalati@dayzenllc.com>
Sent: Thursday, June 19, 2025 6:40 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>
Subject: Re: Corby

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Thanks Renee
Sent from my iPhone

On Jun 19, 2025, at 6:09 PM, Longman, Renee@Energy <Renee.Longman@energy.ca.gov> wrote:

Hi Scott-

Several key staff members for these topics are out today and tomorrow. I'll follow-up early next week.

I did let the whole team know via email, that you would like technical calls for sections with follow-up questions/data needs.

Thank you,

Renee Longman AICP, LEED AP
Senior Environmental Planner
Siting, Transmission and Environmental Protection Division

From: Scott Galati <sgalati@dayzenllc.com>
Sent: Thursday, June 19, 2025 7:58 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Subject: Corby

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Renee,

Corby

Have you discussed with Staff on whether we can have some calls to discuss Biology, Worker Safety and Fire Protection, and any other areas of potential data inadequacy Staff has identified. We are ready for both Biology and Worker Safety and Fire Protection. With respect to Worker Safety and Fire Protection, we have tried to get the Fire Department's attention and they are basically ignoring us. If you could set up a meeting to discuss Worker Safety and Fire Protection and specifically invite them, maybe we could tease out what if any issues they have especially considering that we have now agree to a tank and compliance with the Darden COCs (with modifications). Please let me know of any dates you are considering?

Thanks

Scott

<image001.png>

Scott A. Galati

President

1720 Park Place Drive

Carmichael, CA 95608

Direct Line **(916) 900-8026**

Mobile **(916) 505-6570**

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CORBY0000205

From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 1/30/2026 5:40:45 PM
To: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]
Subject: RE: Corby BESS

Hi Qaim,

Thank you for the update. Not all of these items have posted to the docket yet. Currently, I only see Appendix 2-B, 2-C, and 2-D in the project docket. Once posted, we will review and reach out if there are questions.

We can send a Kiteworks link for the large data files on Monday. That link should be used for uploading all large data files such as the updated air quality and health risk assessment modeling files, GIS shape files, and the updated high resolution versions of the KOP files (view simulations), etc.

Have a great weekend,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Sent: Friday, January 30, 2026 5:07 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Subject: RE: Corby BESS

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Good afternoon Renee,

I am happy to share that part 2 of the PD update has been filed along with all the supporting appendices. We have also submitted the legal memo regarding the gentie property rights, as well as a response to the question on biological surveys.

This should cover all the submittal we have discussed over the last few weeks. Please let me know if you have any questions and look forward to touching base on this early next week.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Sent: Friday, January 30, 2026 11:42 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>
Subject: RE: Corby BESS

Hi Renee,

The remaining appendices for Project Description Update #2, Part 1 have been docketed, including those with confidential language. We met with LG and received consent to file everything publicly.

Qaim will let you know when the remaining PD documents are filed today. Thanks!

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Omercajic, Nadan
Sent: Friday, January 23, 2026 11:21 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>
Subject: RE: Corby BESS

Thanks Renee,

We got with our Engineering team and it appears that we do have an NDA with LG and that the files that are marked as "confidential" will need to file as such with the CEC. We are preparing a request now to docket those under confidential covers.

Thanks,

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Thursday, January 22, 2026 9:35 AM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Cc: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>

Subject: RE: Corby BESS

Hi Nadan,

Thank you for sending the cover sheets. The CEC's preference would be to have all these docketed publicly. The only cover sheet that caught our attention is the JF2 Pack Test Report UL 9540A. If this report were to contain the actual UL 9540A test data and results, then we could see this being docketed under confidential cover. Most developers have NDAs with the manufacturers so that they can access this information. If that is the case here, then we would like you to docket under confidential cover which we have granted on other projects. Please let us know if you have any questions or concerns.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Sent: Tuesday, January 20, 2026 2:57 PM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Cc: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>

Subject: RE: Corby BESS

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Yes, public health is captured under air quality. That is where we provided the health risk assessment in our initial application. We will do the same for the January 30th submittal.

Attached are the cover pages of the 6 “confidential” documents that we have from LG.

1. Can you please advise if they can / should be filed as confidential?
2. We are in the process of receiving express written consent from LG to share these documents. If we get consent, can you confirm that we can docket these, and the CEC will accept them without needing to be confidential filings?

Thanks Renee!

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Tuesday, January 20, 2026 10:43 AM

To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Cc: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>

Subject: RE: Corby BESS

Hi-

When we prepare the Staff Assessment the worker safety and hazards and hazardous materials are two separate sections. However, per your email below, the January 30th submittal would have them both combined into one. Would it be similar for the air quality and public health sections? Are both these sections being combined into air quality for the January 30 submittal?

If you provide the title or cover page for the LG study, then I can check with our legal team if it would generally be allowed to be filed under confidential cover.

If you have any questions or concerns, please let us know.

Thank you,

Renee Longman AICP, LEED AP BD+C

Project Manager

Siting, Transmission and Environmental Protection Division

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>

Sent: Tuesday, January 20, 2026 10:14 AM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Cc: Syed, Qaim <Qaim.Syed@nexteraenergy.com>

Subject: RE: Corby BESS

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Hi Renee,

Just following up on your question regarding worker health and public safety sections. Those sections will be provided under Section 3.9 Hazards and Hazardous Materials.

3.9 Hazards and Hazardous Materials

The Project Hazards and Hazardous Materials analysis is currently underway and will be provided under separate cover.

Thanks,

Nadan Omercajic | Environmental Project Manager

NextEra Energy Resources, LLC

One California Street

San Francisco, CA 94111

Mobile: (415) 770-8214

Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Friday, January 16, 2026 1:06 PM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Subject: RE: Corby BESS

Thank you! Will your legal team also be providing the SID memo?

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Sent: Wednesday, January 14, 2026 8:08 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Subject: RE: Corby BESS

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

Hi Renee,

Yes, we remain on track to deliver the first batch this week. Thank you for your patience.

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, January 13, 2026 4:51 PM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Subject: Corby BESS

Hi Stephen,

I wanted to check if we are on-track to receive Batch 1 this week?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting and Environmental Branch
Siting, Transmission and Environmental Protection Division
1-916-937-3538

California Energy Commission
Website: www.energy.ca.gov



From: Field @EnergyVeterans.org [field@energyveterans.org]
Sent: 1/26/2026 10:48:24 AM
To: Field @EnergyVeterans.org [field@energyveterans.org]; Blinn, Brenda@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=35d13e8c62424b8a96837fec8ad35259-1dc2fa29-35]; Branch, Harlee@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=69c2c8ff86474c228224d2dc2019a93a-61b81604-a2]; Tracy Ellison [tracy@solanolandtrust.org]
CC: Crisp, Ann@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b89c4de7ece742679d19e1e3ee713dc2-Crisp, Ann@]; Grefsrud, Marcia@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4cae2e4113054707a12ac17d6a0d49fe-d65dd704-b3]; Quillman, Gabriele@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7969b5d45d3043fea1e3d78b9b437206-4344d983-6c]; Sinclair, Crystal@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bbf6367d6e8e43139c891b332054ee8b-9ba716bc-ec]; Giorgi, Erika@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d171e5d706e34c26ad9d13c230f2349f-1324b266-6e]; Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Single, Alex@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=67f4b571beab4b189c77463bdbcdc018-cfdcc901-02]
Subject: Corby BESS - Discuss Swainson's Hawk Foraging Mitigation
Location: Microsoft Teams Meeting

Start: 1/27/2026 3:00:00 PM
End: 1/27/2026 3:30:00 PM
Show Time As: Tentative

Recurrence: (none)

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Hi everyone,

This meeting is to discuss the mitigation approach proposed by the applicant for Swainson's hawk foraging habitat with CEC, CDFW and Solano Land Trust staff. I will send the proposal separately to inform the discussion.

Thank you, Julie

Microsoft Teams [Need help?](#)

Join the meeting now

Meeting ID: 220 899 258 603 85

Passcode: KP7p8do6

Dial in by phone

+1 872-256-4172,,13126849# United States, Chicago

Find a local number

Phone conference ID: 131 268 49#

For organizers: Meeting options | Reset dial-in PIN

From: Jackson Minasian [jminasian@minasianlaw.com]
Sent: 1/6/2026 4:21:55 PM
To: Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]
CC: Nancy McWilliams [nmcwilliams@sidwater.org]; Robert Holmes [rholmes@sidwater.org]
Subject: Meeting
Attachments: 2025-11-17 Corby Nexterra Battery Project Comments.pdf

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Briana,

Thank you for your call requesting a meeting with the California Energy Commission to discuss issues relating to the Corby Nexterra battery project. Please provide some dates and times that would work for you. Anything after January 13th is best for me. Thank you,

Jackson Minasian

Jackson A. Minasian



1681 Bird Street / P O Box 1679, Oroville, CA 95965
(530) 533-2885 / fax (530) 533-0197

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From: Robert Holmes [RHolmes@sidwater.org]
Sent: 1/20/2026 8:35:50 AM
To: Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]; jminasian@minasianlaw.com
CC: Lee, Ralph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0937fe7fbf2c439c8bf1fadee66d6483-Lee, Ralph@]; Babula, Jared@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6cf386251c7a47f697f411cee0910882-Babula, Jar]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
Subject: Corby Updated Maps - Solano Irrigation District System Map.
Attachments: 20260120 Solano Irrigation District - Kilkenny Area System Map Exhibit to CEC.pdf

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Attached you will find the District's system map for the area impacted by Corby.

Please note that the 4-C and 4-C-1 canals are owned in fee by the District.

I've also noted, for your information, the Solano County Water Agency controlled drainage that is represented by the orange line on the map. You will need to contact them to inquire about the nature of their interest. While it appears to be a small facility on our map, it is quite prominent on Figure 2-1. I erroneously stated that it was the District's facility in our meeting.

Let me know if you have any questions

Best regards,

Bob Holmes

Sr. Real Property and Project Manager
Solano Irrigation District
810 Vaca Valley Parkway
Vacaville, CA 95688
Monday-Wednesday in Vacaville
7:00am to 3:00pm
Office (707) 455-4032

From: Ziff, Briana@Energy <Briana.Ziff@Energy.ca.gov>
Sent: Friday, January 16, 2026 12:09 PM
To: jminasian@minasianlaw.com; Robert Holmes <RHolmes@sidwater.org>
Cc: Lee, Ralph@Energy <ralph.lee@energy.ca.gov>; Babula, Jared@Energy <Jared.Babula@energy.ca.gov>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Subject: Corby Updated Maps

Hello Jackson and Robert,

Please see attached for an updated map (located on page 30, Figure 2-1) which can also be found on the [Corby docket](#). We expect the applicant to be filing some updates to the project due to changing battery manufactures but we do not expect

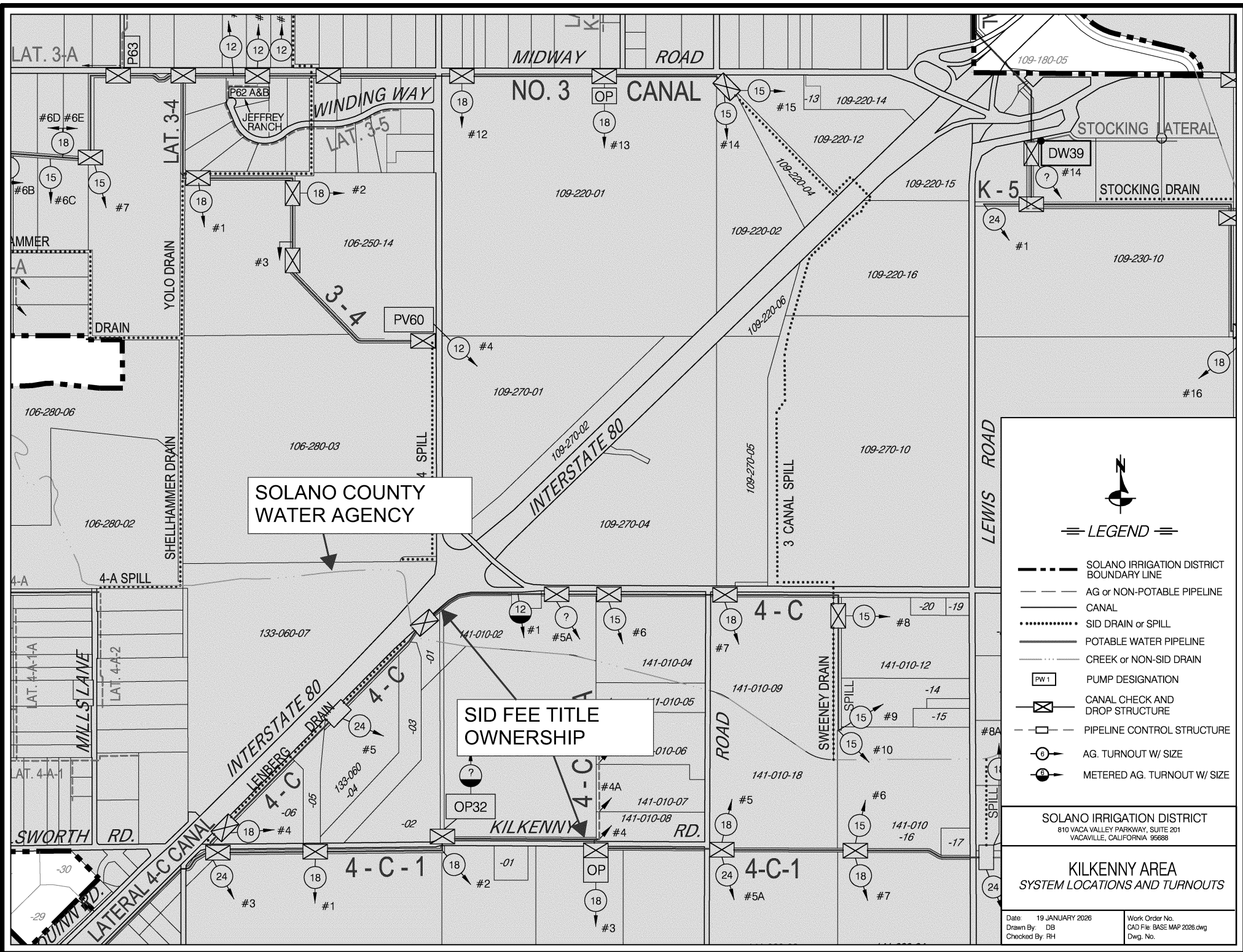
any changes in the proposed alignment of the linears. Thank you again for your time in meeting with us today and we look forward to getting confirmation on the crossings.

Best,

Briana Ziff
Attorney I
Advocacy and Compliance Unit
Chief Counsel's Office

California Energy Commission
Website: www.energy.ca.gov





From: Field @EnergyVeterans.org [field@energyveterans.org]
Sent: 1/26/2026 10:41:23 AM
To: Blinn, Brenda@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=35d13e8c62424b8a96837fec8ad35259-1dc2fa29-35]; Branch, Harllee@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=69c2c8ff86474c228224d2dc2019a93a-61b81604-a2]; Grefsrud, Marcia@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4cae2e4113054707a12ac17d6a0d49fe-d65dd704-b3]; Sinclair, Crystal@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bbf6367d6e8e43139c891b332054ee8b-9ba716bc-ec]; Quillman, Gabriele@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7969b5d45d3043fea1e3d78b9b437206-4344d983-6c]
CC: Crisp, Ann@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b89c4de7ece742679d19e1e3ee713dc2-Crisp, Ann@]; Giorgi, Erika@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d171e5d706e34c26ad9d13c230f2349f-1324b266-6e]; Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
Subject: Re: Corby BESS

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Good morning,
Thank you - I'll get an invite sent out.

I'm not sure about Vaca Dixon but I know Corby is not seeking take coverage so yes, this would be under CEQA.

Julie

From: Blinn, Brenda@Wildlife <Brenda.Blinn@wildlife.ca.gov>
Sent: Monday, January 26, 2026 10:24 AM
To: Field @EnergyVeterans.org <field@energyveterans.org>; Branch, Harllee@Wildlife <Harllee.Branch@Wildlife.ca.gov>; Grefsrud, Marcia@Wildlife <Marcia.Grefsrud@wildlife.ca.gov>; Sinclair, Crystal@Wildlife <Crystal.Sinclair@wildlife.ca.gov>; Quillman, Gabriele@Wildlife <Gabriele.Quillman@wildlife.ca.gov>
Cc: Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Giorgi, Erika@Energy <Erika.Giorgi@Energy.ca.gov>; Ziff, Briana@Energy <Briana.Ziff@Energy.ca.gov>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Subject: RE: Corby BESS

Julie- our DFW/CEC coordination meeting tomorrow ends at 2:30. Harllee and I are available after that meeting.

Note that the applicant for the Vaca Dixon opt-in has proposed the same in-lieu fee approach with the Solano Land Trust. I don't believe either Corby or Vaca Dixon has applied for CESA take coverage for Swainson's hawk, so this proposed mitigation is under CEQA, correct?

Brenda

From: Field @EnergyVeterans.org <field@energyveterans.org>

Sent: Monday, January 26, 2026 10:11 AM

To: Grefsrud, Marcia@Wildlife <Marcia.Grefsrud@wildlife.ca.gov>; Sinclair, Crystal@Wildlife

<Crystal.Sinclair@wildlife.ca.gov>; Quillman, Gabriele@Wildlife <Gabriele.Quillman@wildlife.ca.gov>

Cc: Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Blinn, Brenda@Wildlife <Brenda.Blinn@wildlife.ca.gov>; Branch,

Harllee@Wildlife <Harllee.Branch@Wildlife.ca.gov>; Giorgi, Erika@Energy <Erika.Giorgi@Energy.ca.gov>; Ziff,

Briana@Energy <Briana.Ziff@Energy.ca.gov>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Subject: Corby BESS

WARNING: This message is from an external source. Verify the sender and exercise caution when clicking links or opening attachments.

Good morning,

Solano Land Trust can meet tomorrow between 2:00 - 4:00 to discuss the Swainson's hawk foraging mitigation issue. Does that work for everyone? If so, I'll set up a Teams invite.

Thank you, Julie

Julie Myrah

Senior Biologist

(209) 747-7994

From: Ziff, Briana@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9D1539E61A02423DAD0BEA24F0056535-0E930594-04]
Sent: 1/16/2026 12:09:23 PM
To: jminasian@minasianlaw.com; RHolmes@sidwater.org [rholmes@sidwater.org]
CC: Lee, Ralph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0937fe7fbf2c439c8bf1fadee66d6483-Lee, Ralph@]; Babula, Jared@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6cf386251c7a47f697f411cee0910882-Babula, Jar]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
Subject: Corby Updated Maps
Attachments: TN262554_20250402T112307_Project Description Update.pdf

Hello Jackson and Robert,

Please see attached for an updated map (located on page 30, Figure 2-1) which can also be found on the [Corby docket](#). We expect the applicant to be filing some updates to the project due to changing battery manufactures but we do not expect any changes in the proposed alignment of the linear. Thank you again for your time in meeting with us today and we look forward to getting confirmation on the crossings.

Best,

Briana Ziff
Attorney I
Advocacy and Compliance Unit
Chief Counsel's Office

California Energy Commission
Website: www.energy.ca.gov



From: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Sent: 1/20/2026 2:57:19 PM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]
CC: Syed, Qaim [Qaim.Syed@nexteraenergy.com]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
Subject: RE: Corby BESS
Attachments: JF2 DC LINKDC LINK 55.1.1 Specification.pdf; JF2 DCAC LINK 55.1.1 Fire Alarm System Drawing.pdf; JF2 DC-LINK 0.25CP Codes and Standards.pdf; JF2 DC-LINK 0.25CP OMM.pdf; JF2 DC-LINK 0.25CP Thermal Component Specification.pdf; JF2 Pack Test Report UL9540A.pdf

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Yes, public health is captured under air quality. That is where we provided the health risk assessment in our initial application. We will do the same for the January 30th submittal.

Attached are the cover pages of the 6 “confidential” documents that we have from LG.

- 1) Can you please advise if they can / should be filed as confidential?
- 2) We are in the process of receiving express written consent from LG to share these documents. If we get consent, can you confirm that we can docket these, and the CEC will accept them without needing to be confidential filings?

Thanks Renee!

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, January 20, 2026 10:43 AM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>
Subject: RE: Corby BESS

Hi-

When we prepare the Staff Assessment the worker safety and hazards and hazardous materials are two separate sections. However, per your email below, the January 30th submittal would have them both combined into one. Would it be similar for the air quality and public health sections? Are both these sections being combined into air quality for the January 30 submittal?

If you provide the title or cover page for the LG study, then I can check with our legal team if it would generally be allowed to be filed under confidential cover.

CORBY0000221

If you have any questions or concerns, please let us know.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Sent: Tuesday, January 20, 2026 10:14 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Subject: RE: Corby BESS

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

Hi Renee,

Just following up on your question regarding worker health and public safety sections. Those sections will be provided under Section 3.9 Hazards and Hazardous Materials.

3.9 Hazards and Hazardous Materials

The Project Hazards and Hazardous Materials analysis is currently underway and will be provided under separate cover.

Thanks,

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Friday, January 16, 2026 1:06 PM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Subject: RE: Corby BESS

Thank you! Will your legal team also be providing the SID memo?

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Sent: Wednesday, January 14, 2026 8:08 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Subject: RE: Corby BESS

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

Hi Renee,

Yes, we remain on track to deliver the first batch this week. Thank you for your patience.

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, January 13, 2026 4:51 PM
To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Subject: Corby BESS

Hi Stephen,

I wanted to check if we are on-track to receive Batch 1 this week?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting and Environmental Branch
Siting, Transmission and Environmental Protection Division
1-916-937-3538

California Energy Commission
Website: www.energy.ca.gov



From: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Sent: 1/29/2026 11:12:52 AM
To: Ahn, Stephen [Stephen.Ahn@nexteraenergy.com]; Field @EnergyVeterans.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=028b79d1e64c47218ca23229d1319826-3859a5b7-75]; Urry, Doug [doug.urry@tetrattech.com]
CC: Crisp, Ann@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b89c4de7ece742679d19e1e3ee713dc2-Crisp, Ann@]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Syed, Qaim [Qaim.Syed@nexteraenergy.com]
Subject: RE: Corby BESS

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

Hi Julie,

The surveys for the Project followed the intent and guidance from the U.S. Fish and Wildlife Service (USFWS 2000), California Department of Fish and Wildlife (CDFW 2018), and the California Native Plant Society (CNPS 2001) regarding special-status plant surveys. These guidance documents discuss a standard general sequence for if/when special-status plant surveys should be conducted and how to conduct them. This sequence generally follows the approach of conducting a pre-survey database review followed by site surveys which include mapping and descriptions of on-site habitat types, then assessing the potential for occurrence for special-status plants to occur. If the site presents habitat types that may support special-status species, it is then further recommended in the guidance documents to conduct additional botanical surveys during appropriate phenological windows to identify if species occur on-site.

Prior to field work, biologists for the Project queried the California Department of Fish and Wildlife's California Natural Diversity Database (CNDDB), the U.S. Fish and Wildlife Service Information, Planning, and Consultation (IPaC) system, and the California Native Plant Society Rare Plant Inventory to compile a list of special-status species potentially occurring in the Project vicinity following CEC guidance. In the field, qualified biologists conducted floristic surveys using meandering transects to provide complete visual coverage of the Project Area, identified plants to the taxonomic level needed to determine rarity, and documented vegetation communities that occur in the Project Area. A qualified biologist then compared the on-site vegetation communities to species-specific habitat descriptions and elevational ranges to evaluate each species potential to occur within the Project Area.

As discussed in CDFW (2018), it is appropriate to conduct botanical field surveys when: (1) natural or naturalized vegetation occurs in the area to be directly or indirectly affected by the Project and it is unknown whether special-status plants or sensitive natural communities occur there; (2) special-status plants or sensitive natural communities have historically been identified in the Project Area; or (3) special-status plants or sensitive natural communities occur in nearby areas with physical and biological properties similar to the Project Area. USFWS (2000) indicates that botanical surveys should be conducted for species that may be present.

The database review identified 34 special-status plants potentially associated with the vicinity. Of the 34 special-status plants identified in the pre-survey database review, 33 were determined to have no potential to occur in the Project Area because the Project lacks the specific habitat elements, soils, or elevation those species require. One species, Delta mudwort (*Limosella australis*), was determined to have a low potential for occurrence; Delta mudwort typically occurs on streambanks and in freshwater or brackish marshes at elevations below 10 feet (CNPS 2026), and the only microhabitat on the site where it could occur (Gibson Canyon Creek) lies outside the planned disturbance footprint and outside the species' known elevational range. No prior records for special-status plants overlap with the Project Area, and none occur in nearby areas with similar physical and biological properties that are similar to the Project Area.

As such, 33 of the 34 special-status plant species identified in the database review require habitat types that are absent from the Project Area and therefore have no potential to occur as detailed in the AFC filing and Biological Resources Technical Report, and because the single species with low potential for occurrence does not have any known occurrences in proximity to the Project Area, and the nearest potentially suitable habitat for the species is outside the Project's disturbance footprint. Therefore, additional focused rare-plant protocol surveys were not warranted for the Project Area. This follows resource agency guidance for when to conduct focused botanical surveys.

Thank you,

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>
Sent: Wednesday, January 28, 2026 5:10 PM
To: Field @EnergyVeterans.org <field@energyveterans.org>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Urry, Doug <doug.urry@tetrattech.com>
Cc: Ann.Crisp@energy.ca.gov; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Longman, Renee@Energy <renee.longman@energy.ca.gov>
Subject: RE: Corby BESS

Hi Julie,

I am confirming receipt. We had an internal meeting about this and are planning to respond soon. Thank you for your patience.

Stephen Ahn | *Project Director*
NextEra Energy Resources
Mobile: +1 713 829 9269

From: Field @EnergyVeterans.org <field@energyveterans.org>
Sent: Wednesday, January 28, 2026 7:31 PM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Urry, Doug <doug.urry@tetrattech.com>
Cc: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Ann.Crisp@energy.ca.gov; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Longman, Renee@Energy <renee.longman@energy.ca.gov>
Subject: RE: Corby BESS

Good evening,
Just following up on this email.
Thank you, Julie

From: Field @EnergyVeterans.org
Sent: Monday, January 26, 2026 4:14 PM
To: Nadan.Omercajic@nexteraenergy.com; 'doug.urry@tetrattech.com' <doug.urry@tetrattech.com>
Cc: Ahn, Stephen <stephen.ahn@nexteraenergy.com>; Ann.Crisp@energy.ca.gov; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Longman, Renee@Energy <renee.longman@energy.ca.gov>
Subject: Corby BESS

Good afternoon,

I have a question regarding the plant survey efforts for the project. Plant observations are only described in the reconnaissance surveys conducted on June 1, 2023, and May 28, 2024, during the formal aquatic delineation. The special status plant section states, a full list of the plant species observed during the 2023 and 2024 field surveys is provided.

Could you clarify whether botanical surveys were conducted in accordance with the Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed, and Candidate Plants (USFWS 2000), the Protocol for Surveying and Evaluating Impacts to Special-Status Native Plant Populations and Sensitive Natural Communities (CDFW 2018), and the CNPS Botanical Survey Guidelines (CNPS 2001)?

If so, could you please provide the additional survey dates done during the appropriate blooming periods as identified in the Potential to Occur tables for special status plants.

Thanks, Julie

Julie Myrah
Senior Biologist
(209) 747-7994

From: Alexander, Tommy [Tommy.Alexander@cpuc.ca.gov]
Sent: 1/27/2026 7:23:46 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Wilson, Michelle [Michelle.Wilson@cpuc.ca.gov]
Subject: RE: [EXTERNAL] Notification of receipt of an Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05)

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Hi Renee,

Thanks for flagging the project design measures. We typically use the utility's proposed measures as a starting place and develop mitigation as needed from there. In this case, we recommend starting by asking PG&E if they have any proposed measures applicable to their portion of the project (e.g., standard PG&E BMPs/AMMs). Once the CEC determines if additional mitigation measures are needed, we would be happy to meet with you to discuss those and evaluate whether we have further comments.

Thank you,

Tommy Alexander (he/him)
Senior Regulatory Analyst, CEQA and Energy Permitting
California Public Utilities Commission
tommy.alexander@cpuc.ca.gov | 213-266-4748

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Monday, January 26, 2026 11:20 AM
To: Alexander, Tommy <Tommy.Alexander@cpuc.ca.gov>
Subject: RE: [EXTERNAL] Notification of receipt of an Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05)

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Hi Tommy,

The application does include proposed project design measures (Section 2.8, <https://efiling.energy.ca.gov/GetDocument.aspx?tn=259872&DocumentContentId=96060>) but nothing specific to just the PG&E portion.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Alexander, Tommy <Tommy.Alexander@cpuc.ca.gov>
Sent: Monday, January 26, 2026 9:52 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Cc: Wilson, Michelle <Michelle.Wilson@cpuc.ca.gov>

Subject: RE: [EXTERNAL] Notification of receipt of an Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05)

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

Hi Renee,

Did the applicants provide any measures for PG&E's portion of the project as part of the application? If so, would you be able to point us to those measures to review?

Thanks,

Tommy Alexander (he/him)
Senior Regulatory Analyst, CEQA and Energy Permitting
California Public Utilities Commission
tommy.alexander@cpuc.ca.gov | 213-266-4748

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Monday, January 26, 2026 9:05 AM

To: Alexander, Tommy <Tommy.Alexander@cpuc.ca.gov>

Cc: Wilson, Michelle <Michelle.Wilson@cpuc.ca.gov>

Subject: RE: [EXTERNAL] Notification of receipt of an Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05)

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

Hi Tommy,

Regarding the Corby BESS project, for the portion of the project to be constructed by PG&E do you have a list of avoidance and mitigation measures that we should use?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Alexander, Tommy <Tommy.Alexander@cpuc.ca.gov>

Sent: Friday, September 12, 2025 2:08 PM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Cc: Wilson, Michelle <Michelle.Wilson@cpuc.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>

Subject: RE: [EXTERNAL] Notification of receipt of an Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05)

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

Hi Renee,

Yes, the Corby BESS project is now eligible for the PTC process pursuant to CPUC General Order (GO) 131-E, effective January 30, 2025.

The 230 kV gen-tie qualifies as an “extension” of existing electric transmission facilities under GO 131-E sections I.F.2.a, and therefore is eligible for the PTC process, including the PTC exemptions set forth in GO 131-E section III.B.2. The 230 kV double bus bay structure within the existing Vaca-Dixon Substation would be a substation upgrade or modification under GO 131-E, and therefore, pursuant to GO 131-E Section III.C.1.c, would not on its own require a CPCN or PTC—though in this case the bus bay would need to be addressed as part of the whole of the project.

Let me know if you have any additional questions about the CPUC permitting requirements applicable to this project.

Thank you,

Tommy Alexander (he/him)
Senior Regulatory Analyst, CEQA and Energy Permitting
California Public Utilities Commission
tommy.alexander@cpuc.ca.gov | 213-266-4748

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Friday, September 12, 2025 12:30 PM
To: Alexander, Tommy <Tommy.Alexander@cpuc.ca.gov>
Cc: Wilson, Michelle <Michelle.Wilson@cpuc.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: RE: [EXTERNAL] Notification of receipt of an Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05)

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

Hi Tommy,

I wanted to check-in on the permitting pathway for the Corby BESS project. Previously, it was noted that the project would meet the threshold requiring a CPCN but that it may be eligible for a PTC in the future. Do you anticipate the double bus bay structure within the existing Vaca-Dixon Substation and the 230 kV gen-tie line up to the first point of interconnection at the substation would now be eligible for a PTC?

Thank you,

Renee Longman AICP, LEED AP
Project Manager
Siting, Transmission and Environmental Protection Division

From: Alexander, Tommy <Tommy.Alexander@cpuc.ca.gov>
Sent: Monday, December 9, 2024 3:48 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Sison-Lebrilla, Elaine <Elaine.Sison-Lebrilla@cpuc.ca.gov>; Wilson, Michelle <Michelle.Wilson@cpuc.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: RE: [EXTERNAL] Notification of receipt of an Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05)

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Hi Renee,

I'm following up here to address your question in the CEC's opt-in application notice letter for the Corby BESS Project (24-OPT-05) regarding whether a certificate of public convenience and necessity (CPCN) will be required for the double bus bay structure within the existing Vaca-Dixon Substation and the 230 kV gen-tie line up to the first point of interconnection at the substation.

Pursuant to CPUC General Order (GO) 131-D, we do anticipate that the project will require a permit from the CPUC. The 230 kV gen-tie line and bus bay would be built, owned, and operated by PG&E, and the gen-tie would meet the 200 kV threshold for transmission lines requiring a CPCN. However, pursuant to Senate Bill (SB) 529 and Public Utilities Code sections 564 and 1001.1, some above-200 kV projects that historically required CPCNs are now instead eligible for a permit to construct (PTC). We should be able to provide more certainty on the permitting approach following the resolution of Phase 2 of the [R.23-05-018 proceeding](#) in Q1 2025, expected to result in the adoption of a new GO 131-E.

Please let me know if you have questions.

Thank you,

Tommy Alexander (He/Him)
Senior Regulatory Analyst, CEQA and Energy Permitting
California Public Utilities Commission
tommy.alexander@cpuc.ca.gov | 213-266-4748

From: Alexander, Tommy
Sent: Wednesday, December 4, 2024 9:57 AM
To: Renee.Longman@Energy.ca.gov
Cc: Sison-Lebrilla, Elaine <Elaine.Sison-Lebrilla@cpuc.ca.gov>; Wilson, Michelle <Michelle.Wilson@cpuc.ca.gov>; Eric.Knight@energy.ca.gov
Subject: RE: [EXTERNAL] Notification of receipt of an Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05)

Hi Renee,

Thank you for notifying us of the receipt of the Opt-In Application for the proposed Corby Battery Energy Storage System Project (24-OPT-05). I'll be the CPUC point of contact for this project moving forward. We'll be reviewing the questions in your notification letter and will be in touch soon. Please feel free to reach out with any other questions or if there's anything else we can do to support.

Thank you,

Tommy Alexander (He/Him)
Senior Regulatory Analyst, CEQA and Energy Permitting
California Public Utilities Commission
tommy.alexander@cpuc.ca.gov | 213-266-4748

From: Jackson Minasian [jminasian@minasianlaw.com]
Sent: 2/3/2026 9:18:55 AM
To: Babula, Jared@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6cf386251c7a47f697f411cee0910882-Babula, Jar]
CC: Lee, Ralph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0937fe7fbf2c439c8bf1fadee66d6483-Lee, Ralph@]; Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]; rholmes@sidwater.org
Subject: RE: Corby Updated Maps - Solano Irrigation District System Map.

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Yes, plus SID has real property rights in the form of easements and fee interests that cannot be encroached upon pursuant to California common law absent written permission and a agreement from SID, irrespective of SID's rules and regulations.

From: Babula, Jared@Energy <Jared.Babula@energy.ca.gov>
Sent: Monday, February 2, 2026 9:55 AM
To: Jackson Minasian <jminasian@minasianlaw.com>
Cc: Lee, Ralph@Energy <ralph.lee@energy.ca.gov>; Ziff, Briana@Energy <Briana.Ziff@Energy.ca.gov>; rholmes@sidwater.org
Subject: Re: Corby Updated Maps - Solano Irrigation District System Map.

Jackson,

Thanks for the map. I want confirm that under the SID's Rules and Regulations the relevant section related to SID and NextEra's efforts to negotiate a proposed easement and access agreement is section 3070 which states:

No improvements such as buildings, bridges, gates, cross canal pipes, facilities, etc., shall be constructed or placed in or over any District Conduit until applications for an Encroachment Agreement or Revocable License Agreement have been made to the District and Board authorization is granted therefor. The applicant does not acquire any rights in the District's right-of-way other than those set forth in the signed Agreements.

Jared Babula

Attorney V

Chief Counsel's Office

California Energy Commission

Website: www.energy.ca.gov



From: Robert Holmes <RHolmes@sidwater.org>

Sent: Tuesday, January 20, 2026 8:35 AM

To: Ziff, Briana@Energy <Briana.Ziff@Energy.ca.gov>; jminasian@minasianlaw.com <jminasian@minasianlaw.com>

Cc: Lee, Ralph@Energy <ralph.lee@energy.ca.gov>; Babula, Jared@Energy <Jared.Babula@energy.ca.gov>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Subject: Corby Updated Maps - Solano Irrigation District System Map.

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Attached you will find the District's system map for the area impacted by Corby.

Please note that the 4-C and 4-C-1 canals are owned in fee by the District.

I've also noted, for your information, the Solano County Water Agency controlled drainage that is represented by the orange line on the map. You will need to contact them to inquire about the nature of their interest. While it appears to be a small facility on our map, it is quite prominent on Figure 2-1. I erroneously stated that it was the District's facility in our meeting.

Let me know if you have any questions

Best regards,

Bob Holmes

Sr. Real Property and Project Manager

Solano Irrigation District

810 Vaca Valley Parkway

Vacaville, CA 95688

Monday-Wednesday in Vacaville

7:00am to 3:00pm

Office (707) 455-4032

From: Ziff, Briana@Energy <Briana.Ziff@Energy.ca.gov>

Sent: Friday, January 16, 2026 12:09 PM

To: jminasian@minasianlaw.com; Robert Holmes <RHolmes@sidwater.org>

Cc: Lee, Ralph@Energy <ralph.lee@energy.ca.gov>; Babula, Jared@Energy <Jared.Babula@energy.ca.gov>; Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Subject: Corby Updated Maps

Hello Jackson and Robert,

Please see attached for an updated map (located on page 30, Figure 2-1) which can also be found on the Corby docket. We expect the applicant to be filing some updates to the project due to changing battery manufactures but we do not expect any changes in the proposed alignment of the linears. Thank you again for your time in meeting with us today and we look forward to getting confirmation on the crossings.

Best,

Briana Ziff
Attorney I
Advocacy and Compliance Unit
Chief Counsel's Office

California Energy Commission
Website: www.energy.ca.gov



From: Urry, Doug [doug.urry@tetrattech.com]
Sent: 2/4/2026 3:56:21 PM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Omercajic, Nadan [nadan.omercajic@nexteraenergy.com]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]; Gregory Darwin [darwin@atmosphericdynamics.com]
Subject: RE: renee.longman@energy.ca.gov gave you secure access to the "Corby BESS PD2" folder

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

Renee,

I just uploaded the high-res simulation images and GIS data related to PD Update 2 to the link below. I'll docket the Application Section 2.0 markup file per your discussion w/Nadan, and will also be docketing a corrected version of one of the engineering appendices we just filed. Then we'll stand by for any additional questions or data needs.

Thanks!

Doug

From: Gregory Darwin <darwin@atmosphericdynamics.com>
Sent: Wednesday, February 4, 2026 12:00 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Urry, Doug <doug.urry@tetrattech.com>
Cc: Omercajic, Nadan <nadan.omercajic@nexteraenergy.com>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: RE: renee.longman@energy.ca.gov gave you secure access to the "Corby BESS PD2" folder

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Data files were uploaded as a single zip file with separate directories (emissions, AERMOD, HARP).

Regards.

Gregory Darwin

Atmospheric Dynamics, Inc.

Torres Street 3 SW of Mountain View

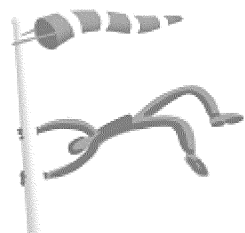
Sundog

P.O. Box 5907

Carmel-by-the-Sea, CA 93921

darwin@atmosphericdynamics.com

831.620.0481 (land line)



CORBY0000234

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From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, February 3, 2026 12:41 PM
To: Urry, Doug <doug.urry@tetrattech.com>
Cc: Omercajic, Nadan <nadan.omercajic@nexteraenergy.com>; Gregory Darvin <darwin@atmosphericdynamics.com>; Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: RE: renee.longman@energy.ca.gov gave you secure access to the "Corby BESS PD2" folder

Hi Doug,

I sent Greg Darvin a link and he should be able to upload now. Let us know if there are any issues.

Staff is reviewing the most recent submittal, and we will reach out if we need anything else.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Urry, Doug <doug.urry@tetrattech.com>
Sent: Tuesday, February 3, 2026 12:30 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Omercajic, Nadan <nadan.omercajic@nexteraenergy.com>; Gregory Darvin <darwin@atmosphericdynamics.com>
Subject: RE: renee.longman@energy.ca.gov gave you secure access to the "Corby BESS PD2" folder

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Hi Renee,
I'll collect and upload the updated GIS shape files and high-res visual sims. I believe we previously provided the May 2025 construction AERMOD/CalEEMod/HARP2 files and that analysis remains current; please let me know if you don't have those from May.

Greg Darvin/ADI (copied) prepared the thermal event plume analysis that we just filed; he can provide his updated data files. I'm not sure if he can access the kiteworks link below or if you need to set up something separate for his access?

Please let me know if there are additional files needed.

Thanks!
Doug

Doug Urry | Vice President, California Operations
Pronouns: he, him, his
Direct +1 (949) 809-5046 | Mobile +1 (916) 943-6397 | doug.urry@tetrattech.com

Tetra Tech | *Leading with Science®*
17885 Von Karman Avenue, Suite 500 | Irvine, CA 92614 | [tetrattech.com](https://www.tetrattech.com)

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From: Renee.Longman@Energy.ca.gov <renee.longman@energy.ca.gov>
Sent: Tuesday, February 3, 2026 8:59 AM
To: Urry, Doug <doug.urry@tetrattech.com>
Subject: renee.longman@energy.ca.gov gave you secure access to the "Corby BESS PD2" folder

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renee.longman@energy.ca.gov gave you secure access
to the "Corby BESS PD2" folder

Access folder

This message requires that you sign in to access the folder and any files in it.



From: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
Sent: 2/20/2026 6:10:03 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]
Subject: RE: Corby BESS Schedule
Attachments: Corby Project - Request and Agreement by Applicant to Extend Certificate Timeline.docx

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

Hi Renee,

No problem, please see attached. Please let me know if you have any questions ahead of us filing, as we are prepared to do so today.

Note, I resent this as the original version was outdated.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Thursday, February 19, 2026 4:10 PM
To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: RE: Corby BESS Schedule

Hi Qaim,

Please exclude counter signature. Can we see a copy before it is filed?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Sent: Thursday, February 19, 2026 1:01 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Schedule

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

Good afternoon Renee,

Following up on our meeting yesterday, I wanted to see if you received feedback on whether we should execute a form of the extension that has a line for CEC countersignature or that excludes any line for countersignature.

Thanks, Qaim

Qaim Syed

Senior Project Manager - Development

NextEra Energy Resources

C: (404)-956-0329

-----Original Appointment-----

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Wednesday, February 18, 2026 3:35 PM

To: Longman, Renee@Energy; Syed, Qaim; Omercajic, Nadan

Cc: Chang, Kaycee@Energy; Knight, Eric@Energy

Subject: Corby BESS Schedule

When: Wednesday, February 18, 2026 2:30 PM-3:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: Microsoft Teams Meeting

Corby BESS Schedule

Microsoft Teams meeting

Join:

<https://teams.microsoft.com/meet/26022835467591?p=VtDIg8THv2S77nEmUh>

Meeting ID: 260 228 354 675 91

Passcode: pm6TU2jH

[Need help?](#) | [System reference](#)

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Phone conference ID: 469 776 313#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 2/24/2026 9:39:25 AM
To: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Syed, Qaim [Qaim.Syed@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]
Subject: RE: Corby BESS: Project Description Update #2 Supplemental Data Requests

Hi Nadan,

Those are our data requests based on an initial review of the project description update 2 materials. We are not currently expecting more. However, staff may have follow-up questions based on the responses provided to these data requests and/or as they review the materials in more detail while preparing their sections.

If you would like a call to discuss any of these data requests sent via email on 2/20, please let us know.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Sent: Tuesday, February 24, 2026 9:28 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: RE: Corby BESS: Project Description Update #2 Supplemental Data Requests

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Thank you, Renee, we will begin working on responses right away. Is this the extent of the Data Requests? Or are you expecting more? Just want to confirm so we can communicate out our response schedule.

Thanks,

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Friday, February 20, 2026 6:33 PM
To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: Corby BESS: Project Description Update #2 Supplemental Data Requests

Hi Qaim and Nadan,

Provided below are Corby BESS Project Description Update #2 Supplemental Data Requests. Responses should be filed to the project docket. Please let us know if you have any questions. Thank you!

Thermal Runaway Data Requests:

Table 6 in Appendix 3.9-A Thermal Event Plume Analysis (TN 268433) presents the acute hazard quotients for individual pollutants based on Reference Exposure Level (REL) values. The applicant indicates that the hazard index (HI) calculation is based on the Sensitive Receptor's (No. 986) result. Staff reviewed the AERMOD output files for Sensitive Receptor No. 986 and observed that the modeled 1-hour concentrations associated with source 11 (which appears to produce the highest impacts at this receptor) differ from the concentrations that can be back-calculated from Table 6 using the reported acute hazard quotients values and corresponding RELs.

SDR TR-1: Please provide the impacts calculation spreadsheet including the modeled worst-case 1-hour concentrations used for each pollutant at the maximally exposed individual receptor, along with identification of corresponding modeling scenarios from which concentration value was selected.

Table 1, Table 2 and Table 3 in Appendix 3.9-A Thermal Event Plume Analysis (TN 268433) do not provide emission factors or calculation steps for nitrogen dioxide (NO₂) or sulfur dioxide (SO₂). However, Table 7 presents modeled concentrations for these pollutants. In addition, the carbon monoxide (CO) concentration calculation is not clearly documented.

SDR TR-2: Please provide the impacts calculation spreadsheet, which includes the proposed emission factors, calculation steps, and supporting documentation used to derive the modeled SO₂, NO₂ and CO concentrations in Table 7.

Table 3 in Appendix 3.9-A Thermal Event Plume Analysis (TN 268433) presents the emission factor of Hydrogen Cyanide (HCN) as 658.5 mg/kg, which is stated as the average computed from the RAMBOLL OCA report. Staff reviewed the two references cited in the RAMBOLL OCA report for HCN and observed that reference 11 characterizes emissions from stand-alone LiPF₆ and LiFSI-based carbonate electrolytes, with no actual battery testing conducted. The HCN emission factor from reference 11 is 64 mg/kg, which is much lower than the emission factor of 1,253 mg/kg from the other reference (#10).

SDR TR-3: Please provide additional justification demonstrating how emission factors derived from electrolytes experiments are applicable to lithium-ion battery fire scenarios.

Using the applicant's assumed 22.5% battery mass loss for estimating emission factors, the implied mass loss is approximately 1.26 g/Wh. Staff finds that literature (Franqueville 2023) reports the mean mass loss is approximately 2.3 g/Wh.

SDR TR-4: Please clarify which value is considered more representative of the proposed battery fire scenario and provide supporting justifications.

Appendix 3.9-A Thermal Event Plume Analysis (TN 268433) only modeled hydrogen chloride, hydrogen fluoride, hydrogen cyanide, benzene, toluene, sulfur dioxide, nitrogen dioxide and carbon

monoxide impacts. However, a review of the literature indicates that other toxic air contaminants (TACs), such as particulate matter, acrolein, formaldehyde, ultrafine particulates, phosphoryl fluoride, and carbonyl fluoride would also be released, even though they are not available from the UL 9540A test report. Staff needs additional analysis of the worst-case impacts during a potential BESS thermal runaway/fire event.

SDR TR-5: Please provide a revised impact analysis of all the potential criteria air pollutants and TACs mentioned above using available representative data from the literature review or measured from any BESS test and confirm that the data reflects the specific battery chemistry proposed.

SDR TR-6: If the modeling data originates from literature review, please provide a technical justification demonstrating that the data are representative and conservative for worker, responder, and public exposure conditions, and provide a copy of the referenced literature. If the modeling data comes from a BESS test, please also provide the specific analytical method(s) for determining the presence of off-gassing constituents in the test, including sample collection methods, laboratory preparation methods, analytical methods, the MDL (method detection limit) or PQL (practical quantitation limit) or RL (reporting limit) for all measured constituents, and all QA/QC (quality assurance/quality control) data including results of a spiked sample.

Generator Use Data Requests:

Tables 5 and 6 of Air Quality and Greenhouse Gas Technical Report (TN 263284) indicate that portable generator sets and air compressors will be used during multiple construction phases, with several stages overlapping. The Yolo-Solano Air Quality Management District has raised concerns regarding the 12-month Portable Equipment Registration Program (PERP) limitation and portability requirements in order to determine whether District Authority to Construct/Permit to Operate permitting may be required, if not for the CEC's in lieu authority.

SDR AQ-1: For all generator sets and air compressors identified in Table 6, please provide the engine make, model, horsepower and emission tiers.

SDR AQ-2: Please clarify unit usage across stages, mobilization/demobilization dates, continuous onsite presence, and total cumulative duration for each unit.

SDR AQ-3: For the 304-day Generator-Only Phase, please confirm whether the two generator sets are newly mobilized units or the same units used in earlier stages, and whether their total cumulative onsite duration (including prior stages) would exceed 12 months. Please confirm whether the applicant would accept a condition of certification restricting the total cumulative onsite duration of the generators to a maximum of 12 months.

SDR AQ-4: Please confirm whether generators and air compressors will be relocated within the site, whether any unit will remain fixed in one location for extended periods, and how PERP portability requirements will be met.

Land Use:

SDR LAND-1: The application states Pacific Gas and Electric Company (PG&E) would design, construct, own, and operate the portion of the gen-tie line from the change of ownership (POCO) to the point of interconnection (POI) at the Vaca-Dixon Substation, including the final five structures and the I-80 crossing, and the New Corby Bay. Once operational, PG&E would transfer ownership of the POCO structure south of I-80 to the applicant. Per California Code of Regulations, Title 20, Appendix B (i) (3), please identify the steps PG&E has taken, including a schedule for obtaining easements, permits, or agreements outside the authority of the CEC, that would be necessary to complete interconnection of the project from the POCO to the POI. This should include, without limitation, the status of PG&E's ability to cross over the Solano Irrigation District (SID) canal, any Solano County Water Agency facility, creek, or drain, and coordination with Caltrans for the I-80 crossing.

Visual Resources:

Project Description Update #2, Part 2 states that two (2) current limiting reactors (CLRs) would be visible from KOPs 2a, 3, 7a, and 7b. However, when comparing the new simulations for KOPs 2a, 3, 7a, and 7b with the previous simulations, the locations of the two CLRs are not clear.

SDR VIS-1: Please provide additional information/guidance as to where, precisely, the CLRs are located in simulations 2a, 3, 7a, and 7b.

The Project Description Update #2, Part 2, Table 3.1-1 identifies the following dimensions for the CLRs: 25 feet in height and 10 feet in width.

SDR VIS-2: Please clarify if the 10-foot-wide dimension means 10 feet in diameter.

The Project Description Update #2, Part 2 states on Page 2 that... *"The Project will continue to not include lighting."* This statement contradicts the Application's previous description of lighting, which is: *"Low-elevation (i.e., less than 14-foot), controlled security lighting will be installed at primary access gates and the onsite substation. The lighting will only switch on when personnel enter the area (through either motion sensor or manual activation [i.e., switch]). Lighting features will only be installed in areas where it is required for safety, security, or operations. All lighting will be directed onsite and will include shielding as necessary to direct light downward and minimize illumination of the night sky or potential impacts to surrounding viewers."*

SDR VIS-3: Please clarify the apparent discrepancy in the description of lighting between the original application and the current update.

Fire Protection:

The application references compliance with the 2023 Edition of NFPA 855, even though the 2026 Edition (adopted September 2025) is the applicable standard. It is unclear whether the project design, hazard mitigation measures, and operational protocols have been reviewed for consistency with the 2026 requirements. The application does not indicate that a gap analysis has been performed between the 2023 and 2026 editions. Clarification is needed to confirm that the project will meet the applicable fire and life safety requirements.

SDR FP-1: Please evaluate the differences between the 2023 and 2026 Editions of NFPA 855 as they apply to the proposed BESS and explain how the project would comply with the 2026 Edition. Please also provide similar evaluations for the 2026 Edition of NFPA 850 and UL 1741 (3rd Edition, including Supplement SB), and describe how the project would comply with those requirements.

The application relies on compliance with the 4th Edition of UL 9540A (published November 12, 2019), which the site-specific HMA identifies as the governing test standard. The 5th Edition of UL 9540A was published March 12, 2025, and includes revisions relevant to hazard characterization and mitigation measures. It is unclear whether the UL 9540A testing conducted in late 2024 is consistent with the 5th Edition requirements. Clarification is needed to ensure that the fire and explosion hazard evaluation reflects the current updated standard.

SDR FP-2: Please evaluate the differences between the 4th and 5th Editions of UL 9540A as they apply to the proposed BESS and the UL 9540A testing conducted in late 2024. Identify any substantive differences, and explain whether or not a supplemental analysis or additional testing will be conducted and provided to demonstrate compliance with the 5th Edition.

Inconsistent statements regarding the Energy Storage Management System (ESMS)/Programmable Logic Controller (PLC) certification status are found in Project Description Update #2, Part 2 [TN 268433]. Appendix 3.9-B1, §2.3, page 13 states that the ESMS/PLC is certified to IEC 61131-2 and IEC/UL 61010-2-201; however, a footnote indicates that certifications were not provided for review because an ESMS/PLC model has not yet been selected. Clarification is necessary to understand how compliance with referenced certification standards will be ensured if the equipment has not been identified. Staff is reviewing these supplemental submittals with the understanding that the model has already been selected.

SDR FP-3: Please inform staff of the exact model selected or clarify the status of and timeline for the ESMS/PLC selection and certification.

Staff seeks clarification regarding whether deflagration panels are included in the proposed design and, if so, to explain their role within the explosion protection strategy. The application references deflagration panels in several sections, including in discussions of NFPA 69 compliance; however, neither the Explosion Prevention System Design Report (TN 268433, Appendix 3.9-D) nor the Product HMA (TN268433, Appendix 3.9-B2) describes or evaluates deflagration panels as part of the system design. The Large Scale Fire Test (LSFT) also references deflagration panels, but photos of the systems tested do not appear to include them.

SDR FP-4: Please clarify whether deflagration panels are included in the proposed BESS design. If so, please include consistent figures and statements of their location, design basis, and how they are integrated into the NFPA 69 explosion protection approach, including any supporting calculations or evaluations.

Renee Longman AICP, LEED AP BD+C

Project Manager
Siting and Environmental Branch
Siting, Transmission and Environmental Protection Division
1-916-937-3538

California Energy Commission
Website: www.energy.ca.gov



From: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Sent: 2/17/2026 2:12:50 PM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Syed, Qaim [Qaim.Syed@nexteraenergy.com]; Crisp, Ann@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b89c4de7ece742679d19e1e3ee713dc2-Crisp, Ann@]
Subject: RE: Corby BESS
Attachments: App 2-B_Solano Land Trust Letter.pdf

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Hi Renee and Anne,

I apologize but I misspoke on the call today. You are correct we had originally proposed to Solano Land Trust to stack the mitigation with Ag / SWHA, but they said most landowners would not want that level of encumbrance on their property. We are not proposing a stacked mitigation solution. The mitigation strategy that we have outlined in Data Response #3 is the following:

- Ag land mitigation at a ratio of 3:1 from Solano Land Trust
- To compensate for SWHA foraging habitat impacts, *“the Applicant has been coordinating with SLT to provide mitigation through an In Lieu Fee program covering up to 40 acres of Swainson’s hawk foraging habitat. SLT prefers to use an In Lieu Fee approach to allow creation of a larger, more impactful avian mitigation project funded through multiple local avian mitigation needs (refer to Appendix 2-B).”*

Appendix 2-B of Data Response #3 (attached) is a letter from Solano Land Trust explaining how we plan to satisfy the SWHA mitigation component. My understanding is that SLT works closely with CDFW on executing this in-lieu fee program and is one that they are supportive of as a viable mitigation solution for impacts to foraging habitat for SWHA.

Please let me know if there are any additional questions.

Thanks!

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, February 17, 2026 9:39 AM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Subject: Corby BESS

Hi Syed and Nadan,

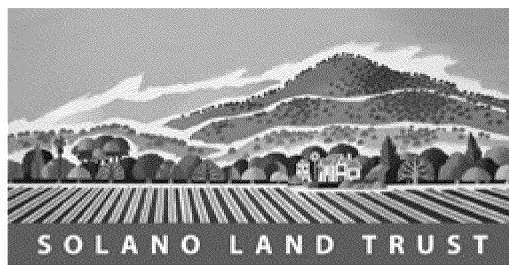
Our bio team has a would like clarification regarding the Swainson's hawk mitigation. Are you proposing stacked mitigation? I've asked them to be on the call at 10:00 to ask their question.

Thank you,

Renee Longman AICP, LEED AP BD+C

Project Manager

Siting, Transmission and Environmental Protection Division



Land connects us all – protecting it today, saving it for tomorrow

08-19-2025

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Curtis Stocking
Wanda Williams

To: Nadan Omercajic

From: Tracy Ellison, Conservation Director, Solano Land Trust

Re: Data request

Nadan,

Thank you for the opportunity to meet last week for our project kick off meeting for the Corby Battery Storage project in Vacaville, CA.

Solano Land Trust has received its retainer of \$15,000 per the Letter Agreement executed on 07-25-2025. We are now in the project development phase and SLT will continue to provide updates on actions taken.

There was a request for information at our meeting, and this memo will contain SLT's feedback.

Acres and location of the mitigation action:

1. Accounting of acres that would qualify for the mitigation lands for this project. (also attached)

Acres 1 mile east of the City of Vacaville city limit line and within 2 miles of the wind turbines south of Hwy 12. This chart shows total acreage and both types - Ag mitigation (Orchard/Vine/Other) and those lands for Swainson's hawk mitigation (Other). This includes Solano County Ag regions Elmira/Maine Prairie and some Jepson Prairie.

Soil Classification	Coverage Type		
	Orchard/Vine	Other	Total
Prime	31,441.14	74,232.82	105,673.96
State	1,035.94	4,754.92	5,790.86
Unique	4,110.50	4,575.18	8,685.68
Grazing	2,428.65	127,837.69	130,266.34
Total	39,016.23	211,400.61	250,416.84

Acres East of Leisure Town Road (Pleasants, Lagoon, Vaca Valley, Solano County General Plan AG region)

	Orchard/Vine	Other	Total
Prime	1,765.84	2,440.78	4,206.62
State	444.92	273.97	718.89
Unique	1,061.51	706.96	1,768.48
Grazing	126.05	15,408.36	15,534.41
	3,398.32	18,830.06	22,228.39



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198 Dobbins Street, Suite A, Vacaville, CA 95688 • 707-432-0150 • solanolandtrust.org • Original art by Don Birrell

CORBY0000247

2. Ag regions and county ag overlays- SLT would look to place this mitigation easement(s) in the Ag regions where the conversion is happening: Elmira/Maine Prairie and Pleasants/Vaca/Lagoon Valleys. If more outreach is needed to find a willing seller, then portions of the Jepson Prairie Ag Region and the designated Agricultural Reserve Overlay areas would be considered.

3. Mapping- SLT has provided the Solano General Plan Land Use map, the Solano General Plan Ag Regions map and its internal AG and Avian lands map.

Swainson's hawk mitigation- SLT's approach to this mitigation requirement:

Solano Land Trust is very active in the mitigation efforts with Cities and Mitigation proponents that are in need of Swainson's hawk and burrowing owl foraging habitat (Avian) mitigation. SLT works closely with the city of Vacaville and the city of Dixon when mitigation proponents are considering conservation easements as their mitigation action. Currently SLT understands that Avian foraging habitat credits are not readily available in Solano County. SLT is the Steward of 5 Swainson's hawk mitigation easements and active with 1 transaction.

SLT has the ability to cobble together Avian foraging habitat mitigation projects due to the active development and conversion of these types of lands in Solano County. SLT, via this project and others, is continually engaging with landowners and presenting the opportunity to conserve their land through these funding types.

SLT would like to offer the In Lieu Fee approach to any Avian foraging habitat mitigation and allow SLT to create and fund a larger, more impactful, Avian mitigation project by bringing multiple, local Avian mitigation needs together. SLT would be open to negotiating an agreement to satisfy mitigation needs like this, possibly with a term of up-5 years to complete and satisfy the mitigation proponent's requirements.

SLT will approach this project with the action to conserve a stand-alone 120-acre agricultural conservation easement and suggest an In Lieu Fee for the 40-ac Swainson's hawk mitigation easement. Because the mitigation acres are different, SLT would not favor stacking the mitigation on one property. This would create an Anomaly property, one with different types of restrictions on one parcel. That is not conducive to a landowner wanting to sell or buy the property and potentially affecting its agricultural use.

Please reach out to me with any questions.

Tracy Ellison, Conservation Director
Solano Land Trust
Tracy@solanlandtrust.org
Cell 707-580-4263

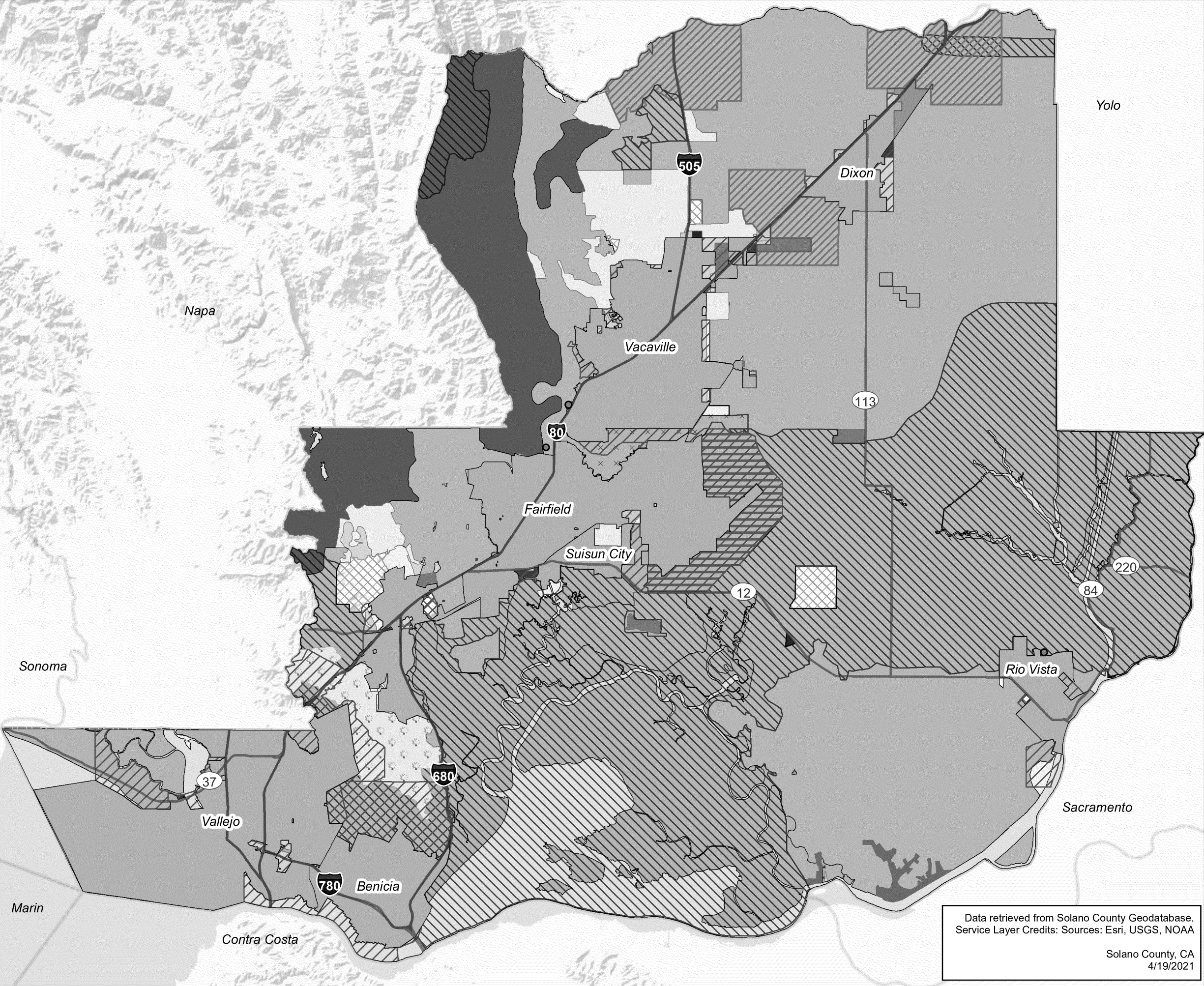
Acres 1 mile east of the City of Vacaville city limit line and within 2 miles of the wind turbines south of Hwy 12. This chart shows total acreage and both types - Ag mitigation (Orchard/Vine/Other) and those lands for Swainson's hawk mitigation (Other). This includes Solano County Ag regions Elmira/Maine Prairie and some Jepson Prairie.

	Coverage Type		
<u>Soil Classification</u>	<u>Orchard/Vine</u>	<u>Other</u>	<u>Total</u>
Prime	31,441.14	74,232.82	105,673.96
State	1,035.94	4,754.92	5,790.86
Unique	4,110.50	4,575.18	8,685.68
Grazing	2,428.65	127,837.69	130,266.34
Total	39,016.23	211,400.61	250,416.84

Acres East of Leisure Town Road (Pleasants, Lagoon, Vaca Valley, Solano County General Plan AG region)

	Orchard/Vine	Other	Total
Prime	1,765.84	2,440.78	4,206.62
State	444.92	273.97	718.89
Unique	1,061.51	706.96	1,768.48
Grazing	126.05	15,408.36	15,534.41
	3,398.32	18,830.06	22,228.39

Figure 6:
General Plan Land Use, 2021



Legend

- County Boundaries
- City Boundaries
- Major Highways

Land Use Designations (Outside of Cities)

- Agriculture
- General Industrial
- Highway Commercial
- Limited Industrial
- Marsh
- Park and Recreation
- Public/Quasi-Public
- Rural Residential
- Service Commercial
- Specific Project Area
- Traditional Community - Mixed Use
- Traditional Community - Residential
- Urban Commercial
- Urban Industrial
- Urban Project Area
- Urban Residential
- Water Bodies and Courses
- Water Dependent Industrial
- Watershed
- Agricultural Tourist Center
- Joint Study Areas

County Planning Overlays

- Agricultural Reserve Overlay
- Resource Conservation Overlay
- Travis Reserve Area
- Tri-City/County Cooperative Planning Area - City
- Tri-City/County Cooperative Planning Area - County
- Vacaville-Fairfield-Solano Greenbelt
- Spheres of Influence

Data retrieved from Solano County Geodatabase.
Service Layer Credits: Sources: Esri, USGS, NOAA
Solano County, CA
4/19/2021

**AGRICULTURAL
CONSERVATION PLAN 2022**

N

0 1.5 3 6 9 Miles

**Figure 9:
Agricultural Regions**

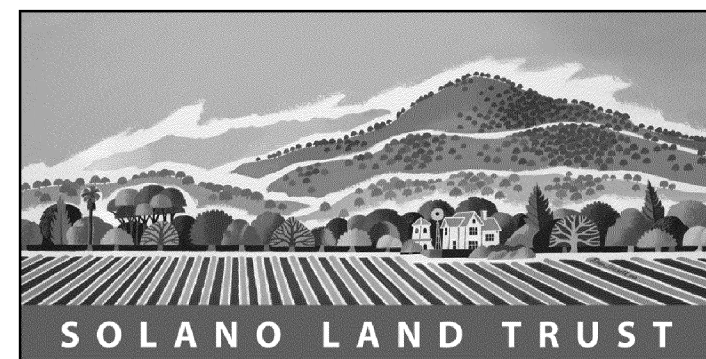
Legend

-  County Boundaries
-  City Boundaries
-  Major Highways
-  Railroads

Agricultural Regions

-  Dixon Ridge
-  Elmira/ Maine Prairie
-  Green Valley
-  Jepson Prairie
-  Montezuma Hills
-  Pleasants/Vaca/Lagoon Valleys
-  Ryer Island
-  Suisun Valley
-  Western Hills
-  Winters

AGRICULTURAL
CONSERVATION PLAN 2022

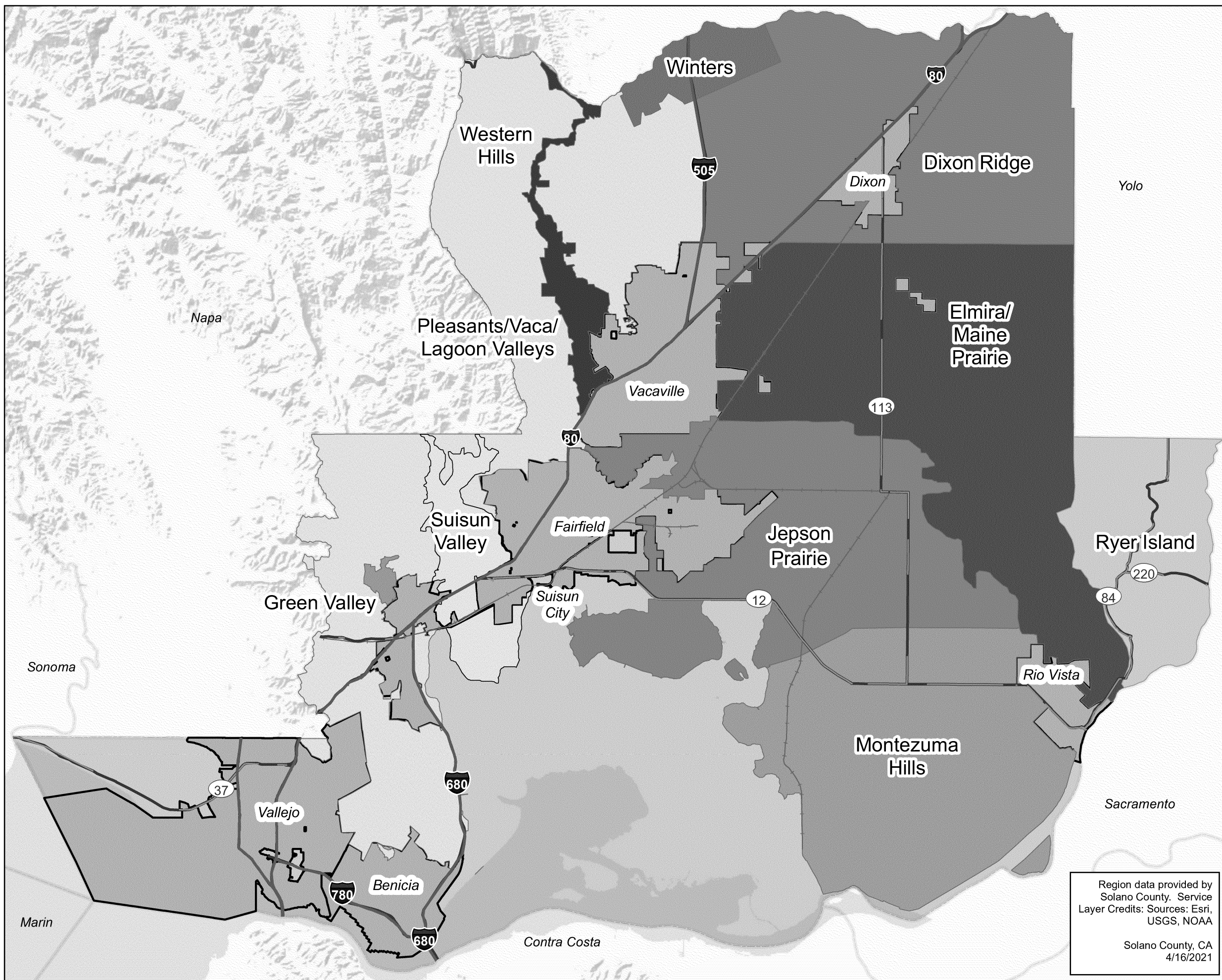


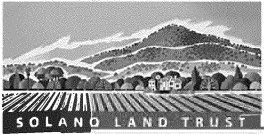
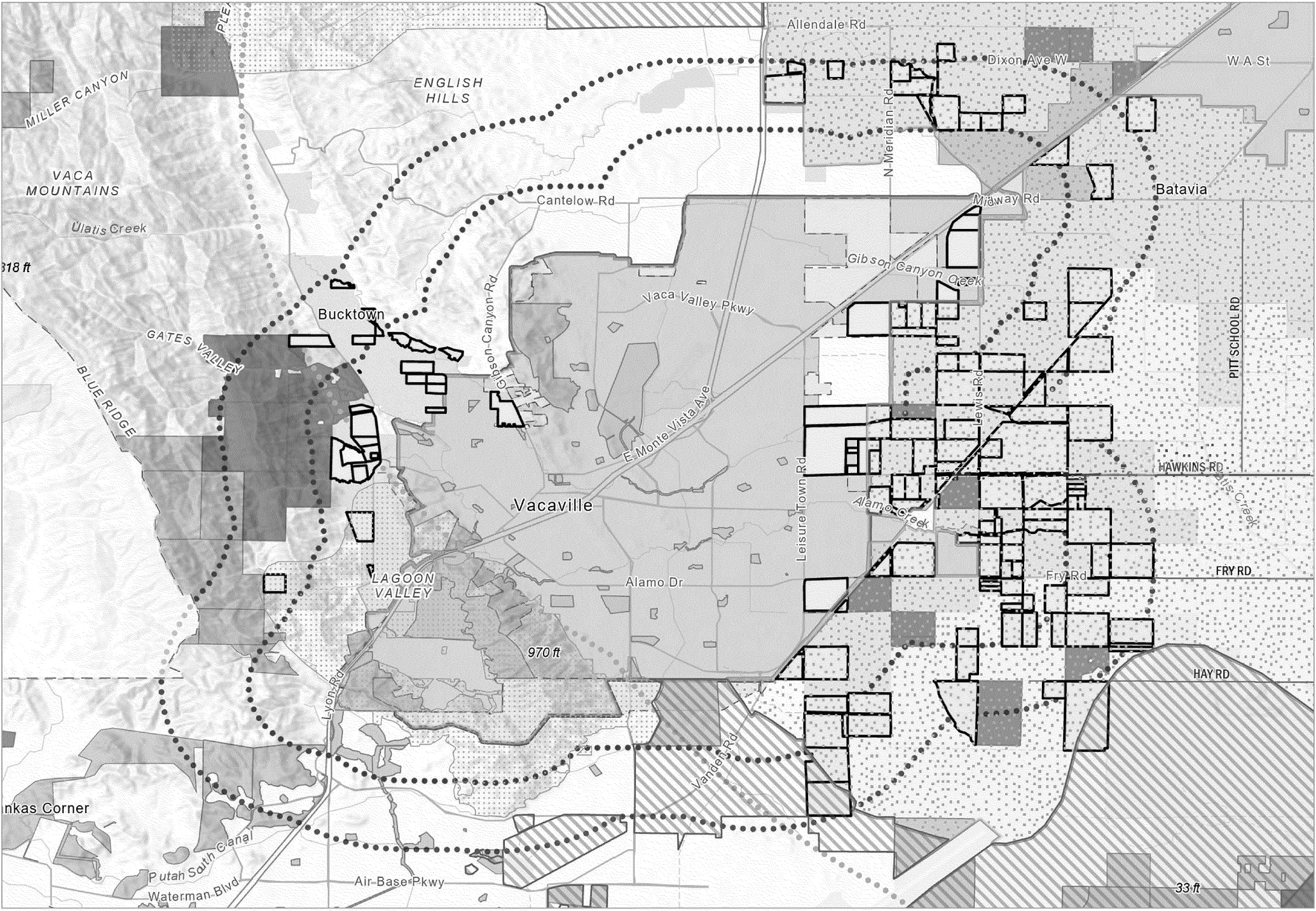
Region data provided by
Solano County. Service
Layer Credits: Sources: Esri,
USGS, NOAA

Solano County, CA
4/16/2021



0 1.5 3 6 9 Miles





- Irrigated/No Trees Priorities
- SLT Conservation Easement
- Other Protected

- Vacaville (1mi buffer)
- Vacaville (2mi buffer)
- Incorporated City Boundary

- Sphere of Influence
- Urban Growth Boundary
- A-40

- A-80
- A-160
- SWHA Potential Reserve Areas
- Inner Coast Range Potential Reserve Area

- Irrigated Agriculture Potential Reserve
- Valley Floor Grassland Potential Reserve Area

Map produced 5/15/2025
for Solano Land Trust.

CORBY0000252

From: Jiang, Tao@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=385E043D00344C059ACF8926C0DBD8D1-JIANG, TAO@]
Sent: 2/6/2026 2:06:55 PM
To: Emmanuel Orozco [EOrozco@ysaqmd.org]
CC: Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]
Subject: RE: Question Regarding Generator Use During Construction – Corby BESS Project

Hi Mr. Orozco,

Thank you for the detailed explanation. This information is very helpful. We will take these requirements into consideration and will ask the applicant to provide further clarification as appropriate.

Best regards,
Tao

From: Emmanuel Orozco <EOrozco@ysaqmd.org>
Sent: Friday, February 6, 2026 12:04
To: Jiang, Tao@Energy <Tao.Jiang@energy.ca.gov>
Cc: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>
Subject: RE: Question Regarding Generator Use During Construction – Corby BESS Project

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

Good morning, Tao,

Thank you for reaching out regarding the use of generator engines during the construction phase of the Corby BESS Project. For most construction-related projects, the District allows for temporary portable generator and air compressor engines to operate under CARB's Portable Equipment Registration Program (PERP) in-lieu of requiring a District authority to construct (ATC) or permit to operate (PTO).

However, there are certain limitations to operating PERP-registered equipment in the District without obtaining an ATC/PTO. For example, the equipment must not be used to support other processes or operations which already operate under a separate ATC/PTO. Additionally, the equipment must remain "portable" during the entire project. Part of what we look at when considering whether the equipment is portable is that the equipment does not operate at a single site for more than 12 months (from the day the equipment is brought on-site). If the equipment, or a functional replacement, is expected to remain on-site for more than 12 months, we would require that the operator apply for an ATC/PTO prior to the 12-month period ending.

With that in mind, it will be important to consider whether any of the generator/air compressor engines will be operating across multiple phases of the project which may exceed the 12-month PERP limitation. For example, I see that generator sets and air compressors are scheduled to be used throughout multiple construction phases including:

- groundwater well drilling/testing,
- groundwater well equipment installation,
- battery/container installation,
- substation installation,
- gen-tie foundations, tower erection, and underground installation,

- onsite water tank installation,
- and finally, generator-only phase construction

It's not immediately clear to me whether the construction stages identified in Table 5 will run concurrent with one another, or whether they will be sequential, but if there is the potential for generator or compressor engines to be on-site and operational beyond the 12-month limit, regardless of construction stage, this is where District ATC/PTO permitting would be required.

Please let me know if I can provide additional clarification on our requirements.

Regards,

Emmanuel Orozco | Engineering Manager

Yolo-Solano Air Quality Management District
1947 Galileo Court, Suite 103 | Davis, CA
(530) 757-3665 | www.ysaqmd.org

From: Jiang, Tao@Energy <Tao.Jiang@energy.ca.gov>

Sent: Friday, February 6, 2026 10:25 AM

To: Emmanuel Orozco <EOrozco@ysaqmd.org>

Cc: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>

Subject: Question Regarding Generator Use During Construction – Corby BESS Project

Dear Mr. Orozco,

This is Tao Jiang from the California Energy Commission. I am the air resources engineer working on the Corby Battery Energy Storage System Project.

Construction of the project is anticipated to last approximately 14 months. The generator-only phase is estimated to be about 304 days. I wanted to check whether the District has any concerns or permitting requirements related to the use of generators for this extended period.

For your reference, I have attached the air quality technical report included in the application. In particular, Tables 5, 6, 7, and 8 summarize the construction schedule, equipment usage, and associated emissions. You can find more details in Attachment A of this document.

Please let me know if you have any comments or if additional information is needed.

Thank you,

Tao Jiang, Ph.D., P.E.
Air Resources Engineer
Siting, Transmission and Environmental Protection Division
California Energy Commission
279-226-1060
tao.jiang@energy.ca.gov

From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 3/9/2026 11:13:33 AM
To: Syed, Qaim [qaim.syed@nexteraenergy.com]; Omercajic, Nadan [nadan.omercajic@nexteraenergy.com]
CC: Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]; agreenberg [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9bfa77aaf044a8ca270ce3bcef10093-9afec475-67]
Subject: Corby BESS: Data Request SDR FP-1: NFPA 855 2026 edition
Attachments: NFPA Res Fdn EnvironmentalImpactLithiumIonBatteryIncidentsReport Oct 2025.pdf; TACs and parameters for Analysis from a Large-Scale Fire Test 1-21-26.docx

Hi Qaim and Nadan,

It is our understanding that you have requested to prepare and file an addendum, to state and clarify that all requirements of NFPA 855 2026 edition pertaining to Battery Energy Storage Systems would be followed and implemented for the Corby project LG batteries. Your request asked for more time to revise numerous documents to reference the 2026 edition and to ensure compliance. Staff agrees that the major new requirements have been completed by NextEra and that it is only the minor differences between the 2023 and 2026 editions that need to be addressed and referenced. Staff agrees to grant you more time to conduct a gap analysis and file your addendum.

Additionally, you have questioned the applicability of NFPA 850 2026 edition, "*Standard for Fire Protection for Electric Generating Plants and High-Voltage Direct Current (HVDC) Converter Stations*" to this project. You have described your project as consisting of batteries, inverters, transformers, and a project substation. It is staff's position that NFPA 850 provides guidance on fire protection for high-voltage substations, including recommendations for fire walls for oil-filled transformers. Staff understands that the many transformers on the site, including three large, moderate-voltage step-up transformers at the proposed substation, would contain mineral, oil, which can be highly combustible. Thus, NFPA 850 compliance would be required because the substation step-up transformers would step up the voltage of electricity from 34.5 kV to 230 kV. High voltage is defined by Cal/OSHA regulations as 600 volts or higher.

Also, attached are the documents mentioned on last week's call. Please let us know if you have any questions.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting and Environmental Branch
Siting, Transmission and Environmental Protection Division
1-916-937-3538

California Energy Commission
Website: www.energy.ca.gov



TACs and Parameters for Analysis from a Large-Scale Fire Test

January 2026

1. Toxic Air Contaminants

The following is a list of the more important Toxic Air Contaminants (TACs) found in numerous scientific reports of BESS testing, UL 9540A tests, and Large-Scale Fire Tests (LSFTs). This list is primarily derived from three major sources but also includes many of the primary references these three major sources used:

- EPRI 2020. "*Summary of Prior Electrochemical Battery Fire Emissions Characterization Studies*," EPRI document number 3002018741, December. Accessed at: [[HYPERLINK](https://restservice.epri.com/publicdownload/000000003002018741/0/Product)]
"https://restservice.epri.com/publicdownload/000000003002018741/0/Product"]
- Bugryniec, Peter J., et al, 2024. "*Review of gas emissions from lithium-ion battery thermal runaway failure—Considering toxic and flammable compounds*." Journal of Energy Storage 87. P. 111288
Accessed at: [[HYPERLINK](https://www.sciencedirect.com/science/article/pii/S2352152X24008739?via%3Dihub)]
"https://www.sciencedirect.com/science/article/pii/S2352152X24008739?via%3Dihub"]
- Fire & Risk Alliance, LLC (FRA) 2025. "*Assessment of Potential Impacts of Fires at BESS Facilities – Literature Review*". Prepared for The American Clean Power Association. Table 3. August 21. Accessed at: [[HYPERLINK](http://www.fireriskalliance.com)]
"http://www.fireriskalliance.com"]

TAC	Acute REL* in ppm	MDL/RL in ppm
HF	0.3	0.1/0.1
CO	26.7	1.0/3.0
HCN	0.4	0.1/0.25
HCl	3.2	0.5/1.5
Benzene	0.01 ppm (27 µg/m ³)	0.001/0.005
SO ₂	0.2 ppm	0.5/0.1
NO ₂	0.22 ppm (470 µg/m ³)	0.1/0.1
POF ₃	Unknown	0.1/0.1
COF ₂	0.35 (AEGL-2 for a 10 min exposure)	0.1/0.2
Acrolein	0.001 ppm (2.5 µg/m ³)	1.0 ppb/5 ppb
Formaldehyde	0.04 ppm (55 µg/m ³)	0.01/0.001
VOCs (toluene etc.)	Varies (low ppb)	as per EPA TO-15
PM10 and PM2.5	See note #4	2 µg/m ³
Ultrafine Particulates	n/a; See note #4	n/a

* Or AEGL if no OEHHA acute REL is available

Note #1: While a common set of gases, such as CO₂, CO, carbonates and H₂ are produced from all batteries, additional gases are produced depending on components of the battery such as the specific electrolyte.

Note #2: Testing for Hydrogen Fluoride (HF) in air typically involves:

- active sampling using specialized filters (like MCE with carbonate impregnation) or sorbent tubes, followed by laboratory analysis via Ion Chromatography (IC) or an Ion-Specific Electrode (ISE); **or**
- real-time monitoring uses techniques like FTIR or tunable diode lasers for immediate readings however, accuracy is dependent upon calibration, hand-held vs benchtop models, and can be difficult when measuring aerosols.

Note #3: The main reasons for not detecting HF from a battery test are:

- Employing test methods that lack sensitivity (the MDL) is too high, often times higher than the health-protective level.
- Lacking proper calibration of hand-held instruments.
- Poor sampling locations.

Note #4:

- For PM₁₀ and PM_{2.5} thresholds, please refer to applicable National Ambient Air Quality Standards and California Ambient Air Quality Standards.
- Method Detection Limits (MDL) and Reporting Levels (RL) are obtained from reports of compound analyses and regulatory agency practices. An MDL is the lowest level that a specific analytical method can identify an analyte but the amount may be imprecise. A RL is accurate for both the identity and amount of an analyte. A RL is always greater than the MDL; often 2-3 X greater. A PQL (Practical Quantitation Limit) is 5 – 15 X the MDL; it was developed by the US EPA for use by regulatory agencies to remove all statistical doubt (uncertainty) from a detection value for purposes of health risk assessment and site remediation.
- MDLs and RLs for PM₁₀ and PM_{2.5} are 2 µg/m³ for typical gravimetric total mass method. An MDL range of 0.001 – 6 ng/m³ can be obtained if a specific metal is analyzed by ICP-MS or XRF.
- For VOCs (volatile organic compounds, the MDLs and RLs vary, and are usually below a health-protective level (in the low ppb to high ppt range) if EPA Method TO-15 sampling and analysis is used. Lower (ppt) if select-ion mode is used.
- For Ultrafine Particulates - UFPs (<0.1 micrometers in diameter), mass-based measurements do not sufficiently capture the amount emitted because these particles are too small to contribute very much mass, but they can be large in number. Condensation Particle Counters (CPCs) are a proven technology for

measuring the number concentration of atmospheric particles. In fact, European standard EN 16976 requires the use of a CPC with butanol as its working fluid. There is currently no US EPA or CARB standard test method.

2. Exhaust Parameters

The following exhaust parameters should also be tested, as they are required inputs for dispersion modeling and for calculating emission rates of the TACs measured.

- Exhaust temperature
- Exhaust diameter or cross-sectional area
- Exhaust height
- Exhaust pressure
- Exhaust gas velocity
- Exhaust flow rate
- State of charge
- Battery burn rate (in terms of kg of battery per minute or hour)
- Other parameters that might be needed to calculate emission rates

From: Field @EnergyVeterans.org [field@energyveterans.org]
Sent: 3/3/2026 10:27:56 AM
To: Crisp, Ann@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b89c4de7ece742679d19e1e3ee713dc2-Crisp, Ann@]; Single, Alex@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=67f4b571beab4b189c77463bdbcdc018-cfdcc901-02]; Blinn, Brenda@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=35d13e8c62424b8a96837fec8ad35259-1dc2fa29-35]; Branch, Harlee@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=69c2c8ff86474c228224d2dc2019a93a-61b81604-a2]; Grefsrud, Marcia@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4cae2e4113054707a12ac17d6a0d49fe-d65dd704-b3]; Quillman, Gabriele@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7969b5d45d3043fea1e3d78b9b437206-4344d983-6c]; Sinclair, Crystal@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bbf6367d6e8e43139c891b332054ee8b-9ba716bc-ec]; Giorgi, Erika@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d171e5d706e34c26ad9d13c230f2349f-1324b266-6e]; Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]; Babula, Jared@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6cf386251c7a47f697f411cee0910882-Babula, Jar]
Subject: Fw: Corby BESS - Meeting Information
Attachments: City of VV Avian and AG In Lieu Fee Agreement_ Final_Executed 05-2021.pdf; Final Report - Vacaville_AgAvianMitigationFee_2019-03-14.pdf

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

Good morning,
Please see attachments sent from Solano Land Trust regarding their agreement with the City of Vacaville.

Julie

From: Tracy Ellison <tracy@solanolandtrust.org>
Sent: Thursday, February 26, 2026 12:44 PM
To: Field @EnergyVeterans.org <field@energyveterans.org>
Subject: RE: Corby BESS - Meeting Information

Attached is the agreement between the city of Vacaville and Solano Land Trust and the mitigation fee analysis final report which determined the fee. Tracy

From: Field @EnergyVeterans.org <field@energyveterans.org>
Sent: Tuesday, January 27, 2026 11:49 AM
To: Blinn, Brenda@Wildlife <brenda.blinn@wildlife.ca.gov>; Branch, Harlee@Wildlife <harlee.branch@wildlife.ca.gov>; Tracy Ellison <tracy@solanolandtrust.org>
Cc: Ann.Crisp@energy.ca.gov; Marcia.Grefsrud@wildlife.ca.gov; Quillman, Gabriele@Wildlife <gabriele.quillman@wildlife.ca.gov>; Sinclair, Crystal@Wildlife <crystal.sinclair@wildlife.ca.gov>; Giorgi, Erika@Energy <erika.giorgi@energy.ca.gov>; Ziff, Briana@Energy <briana.ziff@energy.ca.gov>; Longman, Renee@Energy

<renee.longman@energy.ca.gov>; Alex.Single@energy.ca.gov; Negar Vahidi <NVahidi@aspeneg.com>; Tatiana Inouye <TInouye@aspeneg.com>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>; Babula, Jared@Energy <Jared.Babula@energy.ca.gov>

Subject: Corby BESS - Meeting Information

Good morning,
Sharing a few documents ahead of our discussion this afternoon.

Julie

Julie Myrah
Senior Biologist
(209) 747-7994

**AGRICULTURAL LAND AND AVIAN SPECIES FORAGING HABITAT
MITIGATION AGREEMENT**

This Agricultural Land and Avian Species Foraging Habitat Mitigation Agreement ("Agreement") is made this 20 day of May, 2021, by and between the City of Vacaville ("City"), a municipal corporation of the State of California, having an address at 650 Merchant Street, Vacaville, CA 95688; and Solano Land Trust ("SLT"), a California nonprofit public benefit corporation, having an address of 700 Main Street, Suite 210, Suisun City, CA 94585, together referred to as the "parties."

RECITALS

WHEREAS, the parties have a shared interest in protecting agricultural land; and

WHEREAS, the City General Plan requires developers of real property to mitigate for loss of agriculture and Swainson's Hawk and Burrowing Owl foraging habitat by protecting agriculturally productive land or causing to be placed a conservation easement ("CE") on a property with significantly consistent habitat and/or agricultural value; and

WHEREAS, the City is required to consult with permitting agencies and has full authority to approve mitigation requirements for development within its jurisdiction; and

WHEREAS, the mission of SLT is to protect land to ensure a healthy environment, keep ranching and farming families on their properties, and inspire a love of the land, and SLT has professional expertise in this area; and

WHEREAS, the City and SLT participated in the process to develop a mitigation program for the City, which was approved by the City Council on April 9, 2019, and is referred to in this document as the "Agricultural Land and Avian Species Foraging Habitat Mitigation Fee" (also referred to herein as the "Fee Program"); and

WHEREAS, the City wishes to facilitate mitigation of impacts to agricultural and avian species foraging habitat lands, as required by the General Plan, in an efficient and timely manner; and

WHEREAS, SLT desires to assist the City in meeting these mitigation requirements in a manner that is consistent with its mission and conservation priorities.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing and the mutual promises contained herein, the parties agree as follows:

1. **Mitigation Fees.** The City shall collect mitigation fees, as prescribed in the 2019 City of Vacaville Agricultural Land and Avian Species Foraging Habitat Mitigation Fee Program. Fees shall be distributed to SLT as they are received, after funding City expenses. The City shall provide SLT with a breakdown of the mitigation requirements for which the fees are to be used. SLT shall hold fees in an account that is FDIC insured and provide reporting to the City on an annual basis as described below.
 - a. Mitigation fees from the City will be accounted for separately, depending on the Mitigation Requirements as defined below. (i.e., mitigation for agriculture only will be accounted for separately from fees to be used for species mitigation). For the purpose of this Agreement, these accounts are collectively called the "Mitigation Funds."
2. **Mitigation Requirements.** Depending on the nature and location of the development that is being mitigated, there are three types of mitigation projects covered by this Agreement. Collectively, for the purpose of this Agreement, they are referred to as the "Mitigation Requirements."
 - a. Agricultural Mitigation Only: The primary purpose of a CE of this type is to enable a property to remain in agricultural use by preserving and protecting its prime soils, agricultural viability, utility, character and values ("Ag Primary Purpose"). To the extent that protection of the other conservation values inherent in the property (including the property's habitat, open-space, and scenic values) is consistent with the Ag Primary Purpose, it is also the purpose of the CE to protect those additional conservation values ("Additional Purpose"). The Ag Primary Purpose and Additional Purpose shall collectively be referred to as Ag Mitigation Conservation Purpose. As used in the CEs, the terms "significantly" and "significant," when used with "impair" and "impairment," respectively, would mean a greater than negligible adverse impact for more than a transient period.
 - i. Certain criteria for agricultural mitigation may be required as follows:
 1. Important farmlands, identified in the Vacaville General Plan as Prime Farmland, Farmland of Statewide Importance, or Unique Farmland and used by the City as the threshold for impacts under the California Environmental Quality Act ("CEQA");
 2. Irrigated agricultural mitigation and primarily class 1 soils, identified as Prime Farmlands; and/or
 3. Non-irrigated agricultural mitigation with primarily class 1 soils and used by Solano Local Agency Formation Commission ("LAFCO") as a threshold for impacts to agricultural land.
 - b. Avian Species (Swainson's Hawk and Burrowing Owl) Non-Riparian Foraging Habitat Only: The primary purpose of a CE of this type is to

protect the habitat values of the property and, in particular, foraging habitat for the Swainson's hawk and burrowing owl ("Habitat Primary Purpose"). To the extent that protection of the other conservation values inherent in the property (including the property's open-space and scenic values) is consistent with the Habitat Primary Purposes of the CE, it is also the purpose of the CE to protect that or those additional conservation values ("Additional Purpose"). The Habitat Primary and Additional Purposes would be collectively the "Habitat Mitigation Conservation Purpose" of the CE. The result would be a CE that specifies these avian species' foraging habitat as the primary conservation value.

- c. Agricultural, plus Avian Species Foraging Habitat, Mitigation: The primary purpose of a CE of this type is the Ag Primary Purpose referenced above; however, it is also the purpose of this CE to protect the habitat values of the property and, in particular, foraging habitat for the Swainson's hawk and burrowing owl, to the extent that such protection is consistent with the Ag Primary Purpose ("Habitat Secondary Purpose"). In this type of Easement, the agricultural activities will be limited in order to be compatible with protection of the applicable avian species present on the property. To the extent that protection of the other conservation values inherent in the property (including the property's open-space and scenic values) is consistent with the Ag Primary and Habitat Secondary Purposes of the CE, it is also the purpose of the CE to protect that or those additional conservation values ("Additional Purpose"). The Ag Primary, Habitat Secondary, and Additional Purposes would be collectively the "Ag and Habitat Mitigation Conservation Purpose" of the CE.

3. **Project Prioritization.** Mitigation projects ("project/s") that meet the Mitigation Requirements will then be prioritized in the following order:
 - a. Land outside of, but within one mile from, the City's Urban Growth Boundary ("UGB");
 - b. Land outside of the UGB, but within Pleasants Valley, Upper Lagoon Valley, or Vaca Valley;
 - c. Land within two miles from the City's UGB;
 - d. If for any reason adequate land to meet the conservation goals described in the Vacaville General Plan cannot be identified or acquired, the City and SLT shall meet and confer to identify other areas where conservation acquisitions can occur at a reasonable cost and to satisfy the conservation goals described in this Agreement.
4. **Process.** SLT's current process for conservation easements is outlined below for information purposes. This process may be updated by the SLT Board of Directors; however, the requirements stated below related to consultation with and approval of the City, will be amended only with written concurrence by both the City and SLT. SLT may use Mitigation Funds for

each stage of its conservation easement process, from Project Screening through Project Reporting, as further described below, including but not limited to staff time; third-party legal and other consultation fees; other external costs, such as appraisals and surveys; easement acquisition costs; and stewardship endowments.

a. Project Development Phases:

i. Project Screening

1. A landowner approaches SLT or SLT engages a landowner who may be interested in a conservation easement.
2. The landowner submits an application to SLT, which is reviewed by SLT staff.
3. SLT reviews the property and determines if the property meets the requirements for mitigation under this Program.
4. If the land meets SLT's requirements and both SLT and landowner are interested in moving to the next phase, SLT and the landowner will enter into a Letter of Intent to work together and the project moves into the Project Development phase.

ii. Project Development

1. Finalize and sign the LOI with the landowner;
2. Obtain and evaluate title report;
3. Consult with the City regarding mitigation requirements and adequacy of property to satisfy such requirements;
4. Draft CE (based on SLT template);
5. Estimate stewardship endowment (including legal defense);
6. Conduct appraisal;
7. Legal review of CE, appraisal, title, and other documents;
8. Finalize stewardship endowment calculation;
9. Negotiate purchase agreement with landowner and finalize;
10. Create baseline conditions report for the CE property and Mitigation Implementation Plan (to assess adequacy of the mitigation land as foraging habitat);
11. Provide City with baseline conditions report and the draft CE for review to determine whether the draft CE meets the applicable mitigation requirements. City and SLT will meet and confer to address any City concerns regarding the draft CE.
12. Once the draft CE is acceptable to City, City provides SLT with written confirmation that the draft CE satisfies the applicable mitigation requirements;

13. Obtain final approvals of CE and baseline report from the landowner;
14. The SLT Board approves the CE, purchase agreement and any other agreements, baseline report, stewardship endowment, etc.

iii. Execution of Conservation Easement

1. Execute purchase agreement;
2. Execute CE and baseline report (landowner and SLT);
3. Coordinate close of escrow; and
4. Fund stewardship endowment, which will be pooled with SLT's existing "CE Stewardship and Legal Defense Account" at the close of escrow. As projects are implemented, Mitigation Funds will fund a CE stewardship endowment for each CE at closing.

iv. Project Reporting by SLT to City:

1. Within 30 days of project completion, SLT will submit a final project report to the City.
 - a. The final project report will include property and CE details and all costs for the project, including pre-development, development, stewardship and legal.

- b. Stewardship: SLT is dedicated to upholding its legal and community obligations to preserve the conservation easements it accepts for as long as such easements exist. Recognizing that SLT's conservation easements are perpetual in duration, SLT understands that one of the keys to preserving these easements is its commitment to monitor, defend, and enforce the terms of each conservation easement on a consistent basis. SLT recognizes that regular and consistent monitoring will enhance its relationships with conservation landowner partners through personal communication. In addition, SLT is a Land Trust Alliance accredited agency and its policies are reviewed regularly for applicability and updating.

i. For purposes of this Agreement, SLT will conduct the following stewardship activities:

1. SLT will practice landowner outreach to ensure good communications with the landowner;
2. SLT will monitor each CE property annually and more frequently if needed;
3. Once monitored, SLT will send a monitoring report to the landowner, the City, and keep the report on file;
4. Stewardship activities are funded by SLT's pooled CE stewardship endowment funds.

5. **Buy and Sell Easement-Encumbered Land.** Both parties acknowledge that the current economics of agriculture properties in Solano County are such that the landowners may not be willing to encumber their properties with a

CE at this time due to the low appraised value of agricultural easements. If SLT is unable to find willing sellers of CEs, the organization may need to purchase a property in fee title, establish the terms of a CE, and then sell the easement-encumbered property to a conservation buyer. Both parties acknowledge that the Mitigation Funds can be used for such a purchase. Should this option be utilized, proceeds from the sale will be returned to the Fee Program to support future projects. The fee title purchase(s) will follow the same project prioritization guidelines stated in Section 3 of this Agreement.

6. **Mitigation Funds as Matching Funds.** Both parties acknowledge that SLT may be able leverage the acres protected with the Mitigation Funds by matching them with other funding sources, which include but are not limited to: government or private grants, private donations or SLT's discretionary funds. As long as the CE projects meet the Mitigation Requirements, the Mitigation Funds may be used in this way.

7. **Reporting.**

- a. Accounting and project activity. SLT shall provide an annual report to the City, by no later than October 31 of each year, of the projects for the previous July 1 to June 30 fiscal year regarding the current account balance(s) and any activity and/or project updates. The City may also ask for more frequent financial reporting, with a maximum being quarterly financial reports.
- b. Stewardship reporting for completed projects. SLT will provide annual monitoring reports for each CE acquired under this Fee Program. Monitoring reports will include property conditions as they relate to the baseline report and the terms of the CE, updates on permitted use requests, and any CE violations.
- c. The City shall review this Agreement and the amount of in-lieu fees and, when appropriate, update the fees at a minimum of every three years as required by Vacaville Municipal Code Chapter 14.28 Agricultural and Avian Foraging Habitat Impact Mitigation Program, section 14.28.050, as may be amended or renumbered from time-to-time. The first such review shall be completed in 2022.

8. **Easement Enforcement and Defense.** In the event that a legal dispute arises or is warranted regarding one or more of the CEs, including, but not limited to enforcing the terms of any of the CEs or defending the terms or continued existence of any of the CEs, SLT shall take commercially reasonable efforts to address the situation, including but not limited to instituting legal proceedings, which SLT may opt in its sole and absolute discretion. SLT may request assistance with any such dispute, and the City shall consider such request in its reasonable discretion. The parties may decide to jointly defend the CE.

- a. Alternatively, if the City determines that legal enforcement of the CE is necessary, it shall notify SLT, in writing, of its determination and the nature of the violation. Within ten (10) days of the receipt of such notice, SLT shall inform the City, in writing, whether or not it will proceed to enforce the CE.
 - i. If SLT does not notify the City of its election to proceed with legal enforcement, or if SLT declines to enforce the CE, then the City has the option to initiate enforcement proceedings. If the City elects to enforce the CE, SLT may, at its option, be named as party plaintiff in the enforcement action or proceeding initiated by the City. If SLT is not so named, SLT may nevertheless move at any time to intervene in such action or proceeding, and the City agrees to support such a motion.
 - ii. In the event of any enforcement action or proceeding brought by either SLT or the City, both parties shall cooperate with each other and promptly provide the other party with copies of all documents submitted to the Court or the landowner related to such action or proceeding. Either SLT or the City, or both, may appeal any adverse decision and shall cooperate to defend any appeal which may be brought by the landowner.

9. Acres Conserved. SLT will make every attempt to conserve the number of acres that were affected by the development; however, it is understood by all parties that the market will drive the number of acres that can be protected at any given time. It is envisioned that in some market conditions, the number of acres will be less than the acres affected and, in other conditions, a greater number of acres will be protected than were affected. The goal of the Fee Program is that over time, the same number of acres are protected as were affected.

10. Timeline. After the number of mitigation acres required is determined and City accepts the in-lieu fee from the developer, City shall transfer the in-lieu fee to SLT ("Transfer Date"). SLT will have three (3) years from the Transfer Date to satisfy the project requirements. If SLT is not able to meet these terms, both the City and SLT shall meet and confer in good faith and, within six (6) months of the three-year anniversary of the Transfer Date, will report to the mitigation agencies requiring the mitigation through the General Plan Final Environmental Impact Report ("FEIR") or CEQA with a proposed alternative plan for implementing the requirements, including assessing the potential for the return of the Mitigation Funds to the City of Vacaville for use in implementing foraging habitat mitigation.

11. Term and Termination. This Agreement shall commence on the date that is fully executed by all parties hereto and shall continue until terminated as provided herein.

- a. For Cause: This Agreement may be terminated by the City if SLT fails, after notice and a reasonable opportunity to cure of not less than thirty (30) days, to fulfill its obligations hereunder. In the event that SLT fails to cure, City may terminate this Agreement immediately upon written notice to SLT.
- b. Without Cause: SLT and City may terminate this Agreement without cause by providing written notice to the other party no less than one hundred eighty (180) days prior to the date of termination.
- c. Upon termination of its responsibilities under this Agreement either with or without cause, SLT shall distribute remaining Mitigation Funds to the City within thirty (30) days of the effective date of termination; however, funds that have been transferred to the CE Stewardship and Legal Defense Account will not be distributed.

12. Amendment. No amendment of this Agreement shall be valid unless made in writing and signed by the parties. No prior oral understanding or agreement not incorporated in this written Agreement is binding on any of the parties. City's City Manager or his/her designee shall have the authority to take all actions to implement this Agreement and to make minor amendments to effectuate the intent of the Agreement that do not affect the substance of the mitigation.

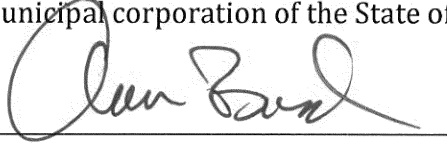
[Signatures to follow on next page.]

SOLANO LAND TRUST,
a California nonprofit public benefit corporation



By: _____
Nicole Braddock, Executive Director

CITY OF VACAVILLE,
a municipal corporation of the State of California



By: _____
Aaron Busch, City Manager

RESOLUTION NO. 2019-031

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VACAVILLE ESTABLISHING AN AGRICULTURAL AND AVIAN FORAGING HABITAT MITIGATION FEE AND AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGRICULTURAL AND AVIAN SPECIES FORAGING HABITAT MITIGATION AGREEMENT WITH SOLANO LAND TRUST (SLT) FOR THE IMPLEMENTATION OF THE AGRICULTURAL AND AVIAN FORAGING HABITAT MITIGATION FEE PROGRAM

WHEREAS, Vacaville 2015 General Plan Policies LU-P2.4 and LU-P5.2 establish requirements that development on certain agricultural lands purchase conservation easements to permanently protect agricultural land of equal or greater value at a ratio of 1 acre conserved for each 1 acre developed ; and

WHEREAS, Vacaville 2015 General Plan Policies COS-P1.6 and P1.12 and Action COS A-1.1 require that new development minimize the disturbance of natural habitats and that until the Solano Habitat Conservation Plan (HCP) is adopted, that the City comply with all of the avoidance, minimization, and mitigation measures listed in the draft HCP which would include minimization of impacts to avian species foraging habitat; and

WHEREAS, Vacaville 2015 General Plan Policy LU-P5.2 contemplates and provides for the establishment of a fee that new development would have the option of paying pursuant to a mitigation program established by the City in cooperation with Solano Land Trust or other qualified agency in lieu of securing conservation easements or otherwise permanently protecting agricultural and open space lands ("agricultural and avian foraging habitat mitigation in-lieu fee"); and

WHEREAS, development projects subject to a proposed agricultural and avian foraging habitat mitigation in-lieu fee would be subject to project-specific review under the California Environmental Quality Act (CEQA) as part of the City's development review process, at which time a project's effects on resources and any mitigation requirements would be determined and a development applicant would have the option of whether to pay a mitigation in-lieu fee or acquire mitigation lands on its own; and

WHEREAS, the City has conducted a detailed analysis to determine an adequate in-lieu fee which could be collected as an optional method of funding conservation easements or land acquisition for the purposes of mitigating development impacts on agricultural land and avian foraging habitat ("Vacaville Agriculture and Avian Species Impact Mitigation Fee Study", dated June 2018, BAE Urban Economics) and has developed a program plan, in consultation with the Solano Land Trust, that provides procedures that would feasibly implement the acquisition of such mitigation lands; and

WHEREAS, Government Code section 66014(b) specifically authorizes charging fees to pay the costs reasonably necessary to provide the service for which the fee is collected, in this case the administration of a mitigation fee program; and

WHEREAS, California Government Code Section 65104 recognizes that the legislative body of the City of Vacaville may establish fees to support work and that the fees shall not exceed the reasonable cost of providing the service for which the fee is charged; and

WHEREAS, adopting an agricultural and avian foraging habitat mitigation fee program implements the policies of the General Plan identified above, and the amount of the proposed fee is supported by the City's analysis of the cost of land or easement acquisition and administration, monitoring, and enforcement of the program by the City and its designated management entity (Solano Land Trust); and

WHEREAS, the mitigation fee program established by ordinance is intended to provide an optional method for development to implement mitigation requirements for agricultural land and avian species foraging habitat mitigation resulting from the City's development review process including project-specific environmental analysis; and

WHEREAS, on December 17, 2017, City Council received an informational report describing the proposed program and fee study; and

WHEREAS, (i) Notice of the time and place of the March 26, 2019 City Council meeting, as well as a general description of the matter to be considered was published in *The Reporter*, a local newspaper of general circulation, on March 16, 2019, and; (ii) data indicating the amount of the proposed fee options were made available to the public at least 10 days prior to the date of this meeting, (iii) this meeting was held as part of the regularly scheduled meeting of the City Council on March 26, 2019, and (iv) interested parties had the opportunity to make oral and written presentations, all in accordance with Government Code section 66016(a); and

WHEREAS, the amounts of the proposed fee do not exceed the estimated reasonable cost of acquiring conservation lands and administering the program and related elements; and

WHEREAS, the proposed program is exempt from the California Environmental Quality Act (CEQA) under several categorical exemptions: Under 14 California Code of Regulations Section 15307 the proposed program, adopted by ordinance, implements procedures for the acquisition of agricultural and avian foraging habitat lands to protect these resources. The proposed program involves procedures for the identification of impacts, a method to collect adequate funds for mitigation lands or conservation easements for the protection of these resources, and on-going monitoring and enforcement of mitigation acquisitions and limitations on land use. The program is also addressed by CEQA Exemption Section 15317, which provides for the creation of open space easements and agricultural preserves. Additionally, the program will provide for the acquisition of lands for wildlife conservation purposes by preserving habitat and is therefore also covered by CEQA Exemption Section 15313. The program is also covered by the general rule that CEQA does not apply to projects where it can be seen with certainty that there is no potential for a significant impact to the environment (15061(b) (3)). Therefore the City finds that the adoption of the proposed Agricultural and Avian Foraging Habitat Mitigation fee program will not have a significant effect on the environment and is exempt from CEQA review.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Vacaville finds and declares the following:

1. The recitals are incorporated herein and adopted as part of this resolution.
2. An Agricultural and Avian Species Foraging Habitat Mitigation Fee is hereby established to provide an optional method for development to mitigate impacts to these resources. This fee program shall be available to projects requiring mitigation for impacts to agricultural land and avian species foraging habitat as determined

through the development review process. Based on the City's analysis, the fee for agricultural lands and for avian foraging habitat lands shall be the high-end of the estimated per acre range of costs, and for projects requiring or selecting stacked mitigation on the same parcel(s) of land the fee shall be set at the mid-point of the estimated per acre range of costs established by the Vacaville Agriculture and Avian Species Impact Mitigation Fee Study.

3. The fees are established as follows:
 - a. Agricultural Mitigation Fee: \$ 4,687 per acre.
 - b. Avian Foraging Habitat Mitigation Fee: \$ 7,832 per acre.
 - c. Stacked Agriculture & Avian Foraging: \$12,832 per acre.
4. The City Manager is authorized to enter into an "Agricultural and Avian Species Foraging Habitat Mitigation Program Agreement" or similar agreement with the Solano Land Trust (SLT), with SLT acting as the management entity for implementation of the Agricultural and Avian Species Foraging Habitat Mitigation Program, as described in the general terms and implementation concepts for an agreement between the City of Vacaville and SLT, dated March 2019 and attached to the related staff report.
5. Consistent with Government Code §66017(a), the fees shall go into effect 60 days following adoption of said fees or upon the effective date of the ordinance establishing the Agricultural and Avian Foraging Habitat Impact Mitigation Program, whichever is later.

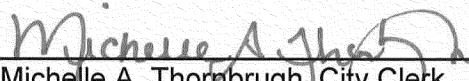
I HEREBY CERTIFY that the foregoing resolution was introduced and passed at a regular meeting of the City Council of the City of Vacaville, held on the 26th day of March, 2019, by the following vote:

AYES: Council members Beaty, Mashburn, Sullivan, Vice Mayor Harris and Mayor Rowlett

NOES: None

ABSENT: None

ATTEST:


Michelle A. Thornbrugh, City Clerk

From: Field @EnergyVeterans.org [field@energyveterans.org]
Sent: 3/6/2026 5:07:05 PM
To: Branch, Harllee@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=69c2c8ff86474c228224d2dc2019a93a-61b81604-a2]; Single, Alex@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=67f4b571beab4b189c77463bdbcdc018-cfdcc901-02]; Crisp, Ann@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b89c4de7ece742679d19e1e3ee713dc2-Crisp, Ann@]; Grefsrud, Marcia@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4cae2e4113054707a12ac17d6a0d49fe-d65dd704-b3]; Babula, Jared@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6cf386251c7a47f697f411cee0910882-Babula, Jar]; Blinn, Brenda@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=35d13e8c62424b8a96837fec8ad35259-1dc2fa29-35]; Quillman, Gabriele@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7969b5d45d3043fea1e3d78b9b437206-4344d983-6c]; Sinclair, Crystal@Wildlife [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bbf6367d6e8e43139c891b332054ee8b-9ba716bc-ec]; Ziff, Briana@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d1539e61a02423dad0bea24f0056535-0e930594-04]; Giorgi, Erika@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d171e5d706e34c26ad9d13c230f2349f-1324b266-6e]
CC: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]
Subject: Fw: Corby BESS
Attachments: 2026-03_Corby_Bess_Response_to_CEC_SLT letterhead_Tracy.pdf

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

Hi everyone,
Please see applicants response and attached letter.

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Sent: Thursday, March 5, 2026 10:03 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Field @EnergyVeterans.org <field@energyveterans.org>
Cc: Tracy Ellison <tracy@solanolandtrust.org>
Subject: RE: Corby BESS

Hi Renee,

The proposal is to pay the in-lieu fees directly to Solano Land Trust (SLT), not to the City of Vacaville. I have included a letter from SLT that describes the proposal in more detail. I have also CC'd Tracy in case there are follow up questions and for transparency.

Thanks!

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



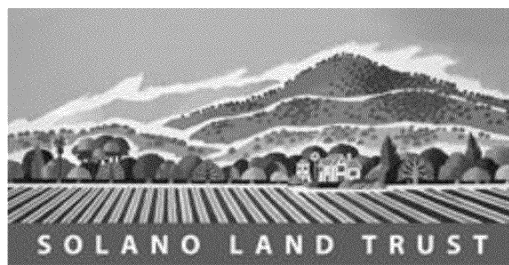
From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Wednesday, March 4, 2026 3:18 PM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Field @EnergyVeterans.org <field@energyveterans.org>
Subject: RE: Corby BESS

Hi Nadan,

Can you please clarify if the proposal is to pay these fees directly to Solano Land Trust or to the city consistent with the city’s adopted in-lieu fee program?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division



Land connects us all – protecting it today, saving it for tomorrow

March 5, 2026

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Lorraine Fernandez
Jessie Hernandez
Kristina Kaunzinger
Roger Merrill
Jeanne Scherer-Kluge
Curtis Stocking
Wanda Williams

Hi Renee,

Thank you for the question. To clarify, the proposal is to pay the in-lieu fees directly to Solano Land Trust (SLT), not to the City of Vacaville, though the approach is modeled on a similar structure.

SLT currently operates under an Agreement for Agricultural and Avian Mitigation with the City of Vacaville, which allows developers to pay an in-lieu fee for mitigation based on a market-rate study updated every three years. SLT is offering a comparable programmatic framework for the Corby BESS project.

Under this approach, Corby would enter into a direct Agreement for Services with SLT. That agreement would define the obligations of both parties, including:

- The in-lieu fee amount for the 40-acre Swainson's Hawk (SWHA) foraging habitat mitigation component (1:1 ratio);
- SLT's responsibility to execute a qualifying conservation easement within a defined timeframe; and
- A clear remedy if SLT does not perform within that timeframe: the in-lieu fees would be returned to Corby in full, at which point Corby would be required to immediately satisfy the SWHA mitigation obligation through alternative means, such as mitigation credits or another approved method. (CEC may need to be a party to the agreement)

This accountability structure ensures the mitigation obligation is never left unresolved and provides CEC and CDFW with confidence in the programmatic approach.

The reason for this programmatic model is practical: securing a willing landowner for a standalone 40-acre SWHA easement in Solano County is extremely difficult. Nut crops — the county's highest-value agricultural commodity — dominate the landscape, and landowners are generally unwilling to accept the use restrictions associated with a SWHA mitigation easement on a small parcel without a compelling economic incentive. By aggregating in-lieu fee contributions from multiple project proponents — such as the City of Vacaville and potentially Solano County or other municipalities with smaller mitigation needs — SLT can fund a single, larger, and more ecologically impactful SWHA conservation easement project. A larger project attracts greater landowner interest, creates stronger conservation outcomes, and satisfies multiple SWHA mitigation obligations across the county.

The agricultural mitigation component (120 acres at 3:1, consistent with Solano County's adopted agricultural mitigation ordinance) would be handled separately from the SWHA component and



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CORBY0000275

recorded as distinct conservation easements. This separation reflects the different mitigation ratios, land encumbrance requirements, and conservation objectives for each.

SLT has worked in Solano County for over 40 years and has established relationships with landowners, CDFW, and conservation partners that make this programmatic model both feasible and effective.

Please let us know if further clarification would be helpful.

Best regards,

A handwritten signature in dark ink, appearing to read "Tracy Ellison".

Tracy Ellison

Conservation Director

Solano Land Trust

Tracy@solanolandtrust.org

707-580-4263 cell

From: Julie Myrah [jmyrahenvironmental@gmail.com]
Sent: 3/27/2026 10:30:05 AM
To: Field @EnergyVeterans.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=028b79d1e64c47218ca23229d1319826-3859a5b7-75]
Subject: Fw: SWHA Foraging Mitigation - 40 ac Solano County

From: AJ Ramon <ajramon@res.us>
Sent: Thursday, March 26, 2026 1:50 PM
To: jmyrahenvironmental@gmail.com <jmyrahenvironmental@gmail.com>
Cc: Timothy Degraff <tdegraff@res.us>
Subject: SWHA Foraging Mitigation - 40 ac Solano County

Hello Julie,

Thanks for the call yesterday afternoon. I had the chance to connect with our Vice President, Tim DeGraff (cc'd), who confirmed that we have two separate "turnkey" mitigation sites in Solano County.

First, we have a property that was recently placed under easement for a separate project. That site has **42 acres of excess SWHA foraging habitat** that could be used to offset your project's impacts. The easement is not "CDFW-approved", but it does have all the bells and whistles that CDFW looks for (CE survey, easement, endowment, monitoring, remoteness opinion, etc.). Assuming CDFW approves of the property, that would be the easiest path forward, as it would just be a paper transaction. This could be completed in less than a week for around \$25k/acre.

If CDFW is requiring a separate, stand-alone CE, then we have another property in Solano County that could be placed under easement specifically for your project. Since we would be starting from scratch on this site, the price would be a little bit higher, probably in the \$30k/acre range. From a timing perspective, this option could be completed in 10 – 12 months from a notice-to-proceed.

If either of these options sound appealing to your client, please let me know and I can set up a follow-up call to talk through specifics!

Best,

AJ Ramon
Credit Sales Manager - West

RES | res.us
ajramon@res.us
Phone: (279) 205-6874
Restoring a resilient earth for a modern world

2125 19th Street, Suite 200
Sacramento, CA 95818

Download the West Region Credit Catalog here!
[West Coast Credit Catalog \(res.us\)](https://res.us)

From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 3/19/2026 10:53:01 AM
To: Townes, Daniel W CTR OSD OUSD A-S (USA) [daniel.w.townes.ctr@mail.mil]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Knight, Eric@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be42548337f44852a291a9845f226f62-Knight, Eri]
Subject: RE: Corby Battery Energy Storage Project
Attachments: TN259896_20241104T150753_Volume 2 App 4-11 Land Use Appendices (4).pdf

Hi Dan,

Thank you for clarifying. I've attached a copy of the land use appendix for the Corby BESS application. According to Appendix 4.11-C, in the attached document, a DOD Informational Review Request was submitted for the Corby project in October 2024.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Townes, Daniel W CTR OSD OUSD A-S (USA) <daniel.w.townes.ctr@mail.mil>
Sent: Thursday, March 19, 2026 10:09 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>
Subject: RE: Corby Battery Energy Storage Project

Hello Renee,

Thank you for the Corby Battery Energy Storage Project information. I'll look at what was provided to the state and let you know if I have any questions.

Regarding the comment, "... the DoW must review what was provided to a state agency ...", what I meant was, the Vaca Dixon Power Center Project was previously reviewed by the DoW "for the developer" in March 2025 and again in September 2025 after the developer revised the layout. In order for us to clear the project, we must have the study area (shapefile and/or kmz) that was provided to the CEC so we can make sure the developer is moving forward with the previously cleared layout or a layout that won't negatively impact the DoW.

Not often, but on occasion, a developer will request a DoW review of their project, have us clear it, and then alter it before they go to the state. When the state contacts us with limited information, if we just verify that we cleared the project [without looking at it], the developer will build the altered version. The altered version may cause an impact to DoW operations, testing, and/or training missions. So, we must have what was provided to the state to be sure that we're on the same page. I hope that makes sense.

If you have any questions, please let me know. Thank you.

Respectfully,

Dan Townes
Military Aviation and Installation Assurance Siting Clearinghouse

Office of the Assistant Secretary of War (Energy Resilience and Optimization)

NIPR: daniel.w.townes.ctr@mail.mil

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Thursday, March 19, 2026 12:03 PM

To: Townes, Daniel W CTR OSD OUSD A-S (USA) <daniel.w.townes.ctr@mail.mil>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Knight, Eric@Energy <Eric.Knight@energy.ca.gov>

Subject: Corby Battery Energy Storage Project

Hi Daniel,

I sent this as a separate email to avoid confusion since we also have the Corby Battery Energy Storage Project within close proximity to the Vaca Dixon Power Center Project. Based on your comment that the DoW must review what was provided to a state agency, would you also like to review the KMZ files for the Corby Battery Energy Storage Project (complete application submitted to the CEC)? Attached is a copy of the KMZ files. Provided below are a project summary and links to the project webpage and Notice of Preparation of an Environmental Impact Report. CEC is currently working on preparing the Staff Assessment (that includes an EIR).

A brief project description: Corby Energy Storage, LLC (applicant), proposes to construct, own, and operate the Corby Battery Energy Storage System Project (project). The facility would be constructed on an approximately 40.3-acre privately owned parcel (Assessor's Parcel Number 0141-030-090) southwest of the intersection of Kilkenny Road and Byrnes Road in Solano County, California. The project would include a 300-megawatt (MW) battery energy storage system (BESS), associated project substation, inverters, and other ancillary facilities, such as fencing, sound barrier, roads, retention basins, storage containers, and a supervisory control and data acquisition (SCADA) system. The project would connect to the Pacific Gas and Electric (PG&E) Vaca-Dixon Substation across Interstate 80 (I-80) and northwest of the project site, using an approximately 1.1-mile long 230-kilovolt (kV) generation tie (gen-tie) line, portions of which would be installed overhead and underground. To accommodate the interconnection of the project, PG&E would install a new 230-kV Double Bus Bay structure with associated foundations and supports on approximately 0.6 acre of the existing substation. This new bay would house four switch support structures and associated equipment for the new 230-kV connection. In addition, PG&E would also construct, own, and operate the portion of the gen-tie between the point of change of ownership pole immediately south of I-80 and the first point of interconnection at the Vaca-Dixon Substation, including five of the ten structures. The project would be unstaffed after construction, with operational control from an offsite control room through the SCADA system. Operational staff would perform periodic inspections and maintenance as necessary.

Link to the Notice of Preparation of Preparation of a Draft Environmental Impact Report:

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=266663&DocumentContentId=103759>

Link to the Corby Project Webpage: <https://www.energy.ca.gov/powerplant/battery-storage-system/corby-battery-energy-storage-system-project>

If you have any questions, please let me know.

Thank you,

Renee Longman AICP, LEED AP BD+C

Project Manager

Siting and Environmental Branch

Siting, Transmission and Environmental Protection Division

1-916-937-3538

California Energy Commission

CORBY0000279

Website: www.energy.ca.gov



From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 3/20/2026 9:24:25 AM
To: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Subject: RE: Corby BESS Check-In Call

Hi Qaim,

Thank you for a list of discussion items for next week's call. Regarding the "lot line adjustment," we have not seen anything in the application materials about that.

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Sent: Friday, March 20, 2026 8:09 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

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Good morning Renee,

Thanks for getting this back on the calendar.

Yes, can you please help get a call together with the compliance manager as well as anyone else who can help shed some light on the CBO process and get it moving?

For next weeks meeting, I'd like to revisit the land items we discussed with Jared, how those needs to be addressed in the staff assessment, and if there is anything you need from us on those items. As a reminder, this is specifically pertaining to an encroachment easement and lot line adjustment.

Hope you have a good weekend and look forward to connecting again next week!

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, March 17, 2026 8:21 PM
To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>
Subject: RE: Corby BESS Check-In Call

Hi Qaim,

The check-in calls were set to expire based on the previous project schedule. I can restart them starting next Tuesday, 3/24. CEC staff received your data request responses on Friday 3/13 and associated modeling files yesterday. We are currently reviewing these materials. For next week's check-in call, if there are specific topics you would like to discuss please let us know. Regarding the CBO review process, that might be better as a separate call. Our compliance manager is currently in the field and will check on getting something scheduled soon.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Sent: Tuesday, March 17, 2026 6:06 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>
Subject: Corby BESS Check-In Call

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

Good morning Renee,

It looks like the recurrence of this call expired, can you please update the invite to extend it?

I was hoping to touch base this week given we submitted the data request responses and we're expecting information on the CBO review process.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: [\(404\)-956-0329](tel:(404)956-0329)

From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 3/24/2026 4:11:09 PM
To: Syed, Qaim [qaim.syed@nexteraenergy.com]; Omercajic, Nadan [nadan.omercajic@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
Subject: Corby BESS: Fire Protection Supplemental Data Request

Hi Qaim and Nadan,

Provided below is an additional data request based upon the recent Data Request Response Set #5. Responses should be filed to the project docket. Please let us know if you have any questions. Thank you!

Fire Protection

CEC staff needs clarification regarding how the BESS enclosure addresses flammable gas accumulation and deflagration hazards, as required by NFPA 855 (edition 2026). The Explosion Prevention System Design Report (TN268433, Appendix 3.9-D) concludes that the ventilation system prevents the formation of flammable gas mixtures; however, the role and design basis of the partial deflagration panels are not described nor evaluated.

The recently submitted DRR Set 5, SDR FP-4, describes the partial deflagration panels as "*although not necessary to meet NFPA 69 compliance, the enclosure features six partial deflagration panels engineered to provide structural pressure relief (see pg. 6 of Appendix 3-C). These panels complement the NFPA 69 active prevention system by functioning as a secondary mitigation measure to protect the enclosure's integrity by providing a controlled path for pressure discharge in the event of an internal pressure rise, ensuring installation aligns with the mandatory hazard mitigation objectives of the 2026 NFPA 855.*" Because the ventilation system requires approximately 35.9 seconds to open the vent doors ((TN268433, PDF page 255, paragraph 2), a delay or failure could allow flammable conditions to develop during that period. Clarification is needed to understand whether the deflagration panels function within the overall explosion protection strategy regardless of any requirement that they do so. CEC staff needs to know why they are there and what is their function.

REV2 DR FP-05. Please describe the design basis, function, and performance criteria of the passive deflagration panel system and how it operates in conjunction with the active ventilation system. Explain how the panels are incorporated into the overall explosion protection approach, including their role under delayed or failed ventilation conditions. Provide supporting calculations, modeling, or test data demonstrating that the combined system adequately mitigates deflagration hazards in accordance with NFPA 855 and NFPA 69.

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting and Environmental Branch
Siting, Transmission and Environmental Protection Division
1-916-937-3538

California Energy Commission
Website: www.energy.ca.gov



From: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
Sent: 3/31/2026 10:05:03 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
CC: Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]; Record, Jacquelyn@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=80a752975c1d44efbd17fb602595a1e7-Leyva, Jacq]; Jiang, Tao@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=385e043d00344c059acf8926c0dbd8d1-Jiang, Tao@]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
Subject: RE: Corby BESS: Air Quality and GHG Questions

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Good morning Renee,

Thank you for sharing, we are actively working on a response to this as well as the fire protection data request responses.

Can you please also provide an update on scheduling a meeting with the compliance (Brett Folks) team so we can discuss streamlining the CBO review process?

Thanks, Qaim

Qaim Syed

Senior Project Manager - Development

NextEra Energy Resources

C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, March 24, 2026 7:52 PM
To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Cc: Qian, Wenjun@Energy <Wenjun.Qian@energy.ca.gov>; Record, Jacquelyn@Energy <Jacquelyn.Record@energy.ca.gov>; Jiang, Tao@Energy <Tao.Jiang@energy.ca.gov>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>
Subject: Corby BESS: Air Quality and GHG Questions

Hi Qaim and Nadan,

CEC staff has follow-up questions regarding Air Quality and GHG provided below. Please let us know if you have any questions. Thank you!

1. **New Corby Substation and POCO Emissions** Can you please confirm whether the construction and operations emissions from the New Corby substation and the PCOC (including SF6 leakage) are already included in the emissions estimates provided in the most current docketed filing (TN 263284)?
 - If they **are included**, simple confirmation would be sufficient.
 - If they **are not included**, we will need those estimates to finalize our analysis.
2. **BESS Thermal Management System** Can you please confirm whether both R-513a and HFC-32 would be used in the BESS thermal management system?

Renee Longman AICP, LEED AP BD+C

Project Manager

Siting and Environmental Branch

Siting, Transmission and Environmental Protection Division

1-916-937-3538

California Energy Commission

Website: www.energy.ca.gov



From: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Sent: 3/26/2026 7:14:11 PM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Syed, Qaim [Qaim.Syed@nexteraenergy.com]; Crisp, Ann@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b89c4de7ece742679d19e1e3ee713dc2-Crisp, Ann@]; Field @EnergyVeterans.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=028b79d1e64c47218ca23229d1319826-3859a5b7-75]
Subject: RE: Corby BESS

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

Hi Renee,

I wanted to follow up on if there were any additional questions regarding the proposed mitigation for the project. If there are additional questions about proposed how the in-lieu fee program works, we are happy to have Tracy field those. However, if you have questions about the amount of mitigation land that is needed or which project impacts would need to be mitigated, we prefer if you discussed that with the Applicant.

SLT is responsible for securing the mitigation and conservation easements, not negotiating project-specific mitigation requirements. Happy to jump on a call to workshop this, if necessary.

Thanks,

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Omercajic, Nadan
Sent: Thursday, March 5, 2026 10:03 AM
To: 'Longman, Renee@Energy' <Renee.Longman@Energy.ca.gov>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Field @EnergyVeterans.org <field@energyveterans.org>
Cc: Tracy Ellison <tracy@solanolandtrust.org>
Subject: RE: Corby BESS

Hi Renee,

The proposal is to pay the in-lieu fees directly to Solano Land Trust (SLT), not to the City of Vacaville. I have included a letter from SLT that describes the proposal in more detail. I have also CC'd Tracy in case there are follow up questions and for transparency.

Thanks!

Nadan Omercajic | Environmental Project Manager

CORBY0000287

NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Wednesday, March 4, 2026 3:18 PM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>; Field @EnergyVeterans.org <field@energyveterans.org>
Subject: RE: Corby BESS

Hi Nadan,

Can you please clarify if the proposal is to pay these fees directly to Solano Land Trust or to the city consistent with the city's adopted in-lieu fee program?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Sent: Tuesday, February 17, 2026 2:13 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Crisp, Ann@Energy <Ann.Crisp@energy.ca.gov>
Subject: RE: Corby BESS

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

Hi Renee and Anne,

I apologize but I misspoke on the call today. You are correct we had originally proposed to Solano Land Trust to stack the mitigation with Ag / SWHA, but they said most landowners would not want that level of encumbrance on their property. We are **not** proposing a stacked mitigation solution. The mitigation strategy that we have outlined in Data Response #3 is the following:

- Ag land mitigation at a ratio of 3:1 from Solano Land Trust
- To compensate for SWHA foraging habitat impacts, *"the Applicant has been coordinating with SLT to provide mitigation through an In Lieu Fee program covering up to 40 acres of Swainson's hawk foraging habitat. SLT prefers to use an In Lieu Fee approach to allow creation of a larger, more impactful avian mitigation project funded through multiple local avian mitigation needs (refer to Appendix 2-B)."*

Appendix 2-B of Data Response #3 (attached) is a letter from Solano Land Trust explaining how we plan to satisfy the SWHA mitigation component. My understanding is that SLT works closely with CDFW on executing this in-lieu fee program and is one that they are supportive of as a viable mitigation solution for impacts to foraging habitat for SWHA.

Please let me know if there are any additional questions.

Thanks!

Nadan Omercajic | Environmental Project Manager
NextEra Energy Resources, LLC
One California Street
San Francisco, CA 94111
Mobile: (415) 770-8214
Nadan.Omercajic@NextEraEnergy.com



From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, February 17, 2026 9:39 AM
To: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Subject: Corby BESS

Hi Syed and Nadan,

Our bio team has a would like clarification regarding the Swainson's hawk mitigation. Are you proposing stacked mitigation? I've asked them to be on the call at 10:00 to ask their question.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Chang, Kaycee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DD3D2FC8670840BDA4ACDC455903E787-CHANG, KAYC]
Sent: 4/1/2026 12:42:19 PM
To: Qaim.Syed@nexteraenergy.com
CC: Omercajic, Nadan [nadan.omercajic@nexteraenergy.com]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
Subject: Corby BESS: stormwater pond questions
Attachments: Corby BESS stormwater ponds calculations.xlsx; 2026.03.25 stormwater ponds msmts.png

Hello Qaim,

On behalf of Renee and our geosciences team, can you please file responses to the questions below related to the stormwater retention ponds, with a copy of the questions, to the docket by or before 4/8/26?

- CEC staff found discrepancies between the dimensions (surface area, volume) of the two ponds as described in application the Project Description Update #2 (TN 268258). In Appendix 2-A, Grading Plan (Drawing BCR-C 100-E; pdf p. 26), we measured the northern and southern ponds. We made "back of the envelope" measurements using MS Paint. While acknowledge this method produces error, we still have questions we'd like to check.
 - Northern pond
 - We calculate a volume of 231,500 cubic ft, which is ~34,593 cubic ft less than the proposed volume of 266,093 cubic ft.
 - We calculate a brim full surface area of 1.2 acres, which is 0.2 acres less than the proposed surface area of 1.4 acres.
 - Southern pond
 - We calculate the southern pond volume at 224,158 cubic ft, which is ~14,149 cubic ft greater than the proposed southern pond volume of 210,009 cubic ft.
 - We calculate a brim full surface area of 1.2 acres, which is 0.3 acres greater than the proposed surface area of 0.9 acres.
- Would you please provide the Solano County drainage design requirements for stormwater retention ponds? We are unable to find specific design requirements in the Solano County Code.
- How did you determine that 0.5 ft of freeboard for both ponds is an appropriate buffer? In guidance documents for stormwater retention ponds (CalTrans, San Bernardino County), minimum freeboard values of 1 ft or 2 ft are recommended or required.

Thank you,
Kaycee
Kaycee Chang (she, her, hers)
Supervisor
CEQA Project Management
Siting and Environmental Branch
Siting, Transmission, and Environmental Protection Division
Work: 1-916-232-6319
Cell: 1-916-208-6545
California Energy Commission
Website: www.energy.ca.gov



Book time to meet with me

From: Dr. Alvin Greenberg [agreenberg@risksci.com]
Sent: 4/21/2026 6:48:51 AM
To: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
CC: Randy Shafer [rshafer@dixonfireca.gov]; John Malone [jmalone@dixonfireca.gov]; Fire Marshal [firemarshal@dixonfireca.gov]; Adams, Josh [josh.adams@nexteraenergy.com]; Elizondo ramirez, Adrian [Adrian.Elizondo@nexteraenergy.com]; Abughali, Ziad [Ziad.Abughali@nexteraenergy.com]; Morley, Ricardo [Ric.Morley@nexteraenergy.com]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Urry, Doug [doug.urry@tetrattech.com]; Harrison, Joe [joe.harrison@tetrattech.com]; Andrew Reiwitch [andrew.reiwitch@bureauveritas.com]; Jones, Kelly [Kelly.Jones@nexteraenergy.com]; Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]
Subject: Re: Corby - Update on Technology Change

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

Good Morning Qaim,
I can confirm that I received 6 documents: one in WORD format and five in PDF format.
Thank you,
Alvin

Dr. Alvin Greenberg
California Energy Commission Staff
37 Mt. Whitney Dr.
San Rafael, CA 94903
415-472-6056
cell 415-302-0438

On Mon, Apr 20, 2026 at 6:28 PM Syed, Qaim <Qaim.Syed@nexteraenergy.com> wrote:
Good evening Chief Shafer,

Given there were quite a few attachments, can you please confirm you received the email immediately prior to this one responding to your questions?

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Syed, Qaim
Sent: Monday, April 20, 2026 9:12:01 PM
To: Randy Shafer <rshafer@dixonfireca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; John Malone <jmalone@dixonfireca.gov>; Fire Marshal <firemarshal@dixonfireca.gov>
Cc: agreenberg@risksci.com <agreenberg@risksci.com>; Adams, Josh <josh.adams@nexteraenergy.com>; Elizondo

ramirez, Adrian <Adrian.Elizondo@nexteraenergy.com>; Abughali, Ziad <Ziad.Abughali@nexteraenergy.com>; Morley, Ricardo <Ric.Morley@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Urry, Doug <doug.urry@tetrattech.com>; Harrison, Joe <joe.harrison@tetrattech.com>; John Malone <jmalone@dixonfireca.gov>; Andrew Reiwitch <andrew.reiwitch@bureauveritas.com>; Jones, Kelly <Kelly.Jones@nexteraenergy.com>

Subject: RE: Corby - Update on Technology Change

Good afternoon Chief Shafer,

Thank you for your patience, please see attached word document that includes responses to all your questions below as well as the relevant supporting documentation.

A couple notes:

- Referenced appendices 2-B and 2-C are large files, so I provided links to where they are docketed by the CEC
- Referenced appendices 3.9-B 1 and 2 are attached
- The preliminary commissioning and decommissioning plans are attached and will be finalized prior to construction, as they will incorporate the site IFP drawing package design.

Please let me know if you have any follow up questions.

Thanks, Qaim

Qaim Syed

Senior Project Manager - Development

NextEra Energy Resources

C: (404)-956-0329

From: Syed, Qaim

Sent: Wednesday, April 15, 2026 4:42 PM

To: 'Randy Shafer' <rshafer@dixonfireca.gov>; Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; John Malone <jmalone@dixonfireca.gov>; Fire Marshal <firemarshal@dixonfireca.gov>

Cc: agreenberg@risksci.com; Adams, Josh <josh.adams@nexteraenergy.com>; Benson, Michael <Michaelp.Benson@nexteraenergy.com>; Elizondo ramirez, Adrian <Adrian.Elizondo@nexteraenergy.com>; Abughali, Ziad <Ziad.Abughali@nexteraenergy.com>; Morley, Ricardo <Ric.Morley@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Urry, Doug <doug.urry@tetrattech.com>; Harrison, Joe <joe.harrison@tetrattech.com>; John Malone <jmalone@dixonfireca.gov>; Andrew Reiwitch <andrew.reiwitch@bureauveritas.com>

Subject: RE: Corby - Update on Technology Change

Good afternoon Chief Shafer,

My name is Qaim Syed and I have taken development of this project in place of Stephen, who has moved over to our New York development team.

I look forward to collaborating with your department and getting you all the information you need to feel comfortable with our design and construction. We are working on putting together responses for your prevention departments

questions and will get back to you with the requested information as soon as possible, which I anticipate will be in the next week or so.

In the meantime, please let me know if any other questions come up or if you would like to set up a call to discuss the project in further detail.

Thanks, Qaim

Qaim Syed

Senior Project Manager - Development

NextEra Energy Resources

C: (404)-956-0329

From: Randy Shafer <rshafer@dixonfireca.gov>

Sent: Friday, April 10, 2026 3:39 PM

To: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>; John Malone <jmalone@dixonfireca.gov>; Fire Marshal <firemarshal@dixonfireca.gov>

Cc: agreenberg@risksci.com; Adams, Josh <josh.adams@nexteraenergy.com>; Benson, Michael <Michaelp.Benson@nexteraenergy.com>; Elizondo ramirez, Adrian <Adrian.Elizondo@nexteraenergy.com>; Abughali, Ziad <Ziad.Abughali@nexteraenergy.com>; Morley, Ricardo <Ric.Morley@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Urry, Doug <doug.urry@tetrattech.com>; Harrison, Joe <joe.harrison@tetrattech.com>; John Malone <jmalone@dixonfireca.gov>; Andrew Reiwitch <andrew.reiwitch@bureauveritas.com>

Subject: Re: Corby - Update on Technology Change

Stephen,

Here is the request from our prevention department:

1. Provide a complete manufacturer specification manual and material and technical data sheets for the actual system being proposed, along with confirmation of the applicable listings and testing, especially UL 9540, UL 9540A, and UL 1973 documentation proving their listing and compliance with referenced standards.

**These are required as even if the proposed system(s) remain(s) LFP and appear(s) to be a more robust design, the required documentation is vital to the success of this project as a vendor change can affect the overall ESS assembly, module arrangement, enclosure design, thermal management, and tested/listed/approved configuration. Confirming those listings and test documents will help show that the proposed LG system still meets the applicable standards for the actual equipment being installed.*

2. Provide a clear and concise outline of the differences between the two battery (ESS/BESS) systems. This should include a detailed compare and contrast of the originally proposed CATL systems to the newer LG system's features in both design and safety.

**The outline should also include internal fire protection, smoke and hydrogen detection systems, separation requirements, location and structural pad requirements, etc.*

3. Provide a thorough commissioning plan (per 2022 CFC §1207.2.1) and decommissioning plan (per 2022 CFC §1207.2.3) meeting the specific requirements of the BESS/ESS manufacturer.

4. Provide documented and drawing clarification on the required fire department access issue they referenced below and in prior meetings.

**Since they mentioned a larger turning radius would be implemented for delivery, we should confirm whether any access changes are being proposed and ensure City of Dixon's minimum 28-foot inside radius and 52-foot turning radius requirements are shown and maintained.*



RANDY SHAFER

FIRE CHIEF

DIXON FIRE DEPARTMENT

205 Ford Way Dixon, CA 95620

(707) 678-7060 x2106

rshafer@dixonfireca.gov

From: Ahn, Stephen <Stephen.Ahn@nexteraenergy.com>

Sent: Wednesday, January 21, 2026 12:15 PM

To: Randy Shafer <rshafer@dixonfireca.gov>; John Malone <jmalone@dixonfireca.gov>; Fire Marshal <firemarshal@dixonfireca.gov>

Cc: agreenberg@risksci.com <agreenberg@risksci.com>; Adams, Josh <josh.adams@nexteraenergy.com>; Benson, Michael <Michaelp.Benson@nexteraenergy.com>; Elizondo ramirez, Adrian <Adrian.Elizondo@nexteraenergy.com>; Abughali, Ziad <Ziad.Abughali@nexteraenergy.com>; Morley, Ricardo <Ric.Morley@nexteraenergy.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Urry, Doug <doug.urry@tetrattech.com>; Harrison, Joe <joe.harrison@tetrattech.com>

Subject: Corby - Update on Technology Change

Dear Chief Shafer and Chief Malone,

I am following up on our earlier discussions regarding the proposed conditions of certification (COCs) for the Corby project related to fire / worker safety to inform you that the project will be switching battery vendors from CATL to LG in order to address supply chain and procurement uncertainties. We have been coordinating with CEC staff to update the CEC application to reflect this change and to utilize technology manufactured in the United States.

At your request, we would be happy to provide you a copy with the supplemental information to be submitted to CEC, which will also be available on the docket. In summary, with this change in battery vendors, the core chemistry (i.e., LFP), safety and thermal stability characteristics, and compliance standards remain the same.

LG also incorporates a combination of liquid and air thermal management systems, as well as deflagration panels, in addition to the active ventilation system, to provide redundant layers of protection. The change in technology will also require a larger turning radius for delivery.

The change in battery vendors will not require a change to any of the proposed COCs that we previously discussed and agreed upon, but we wanted to keep you updated in parallel with the submission of the supplemental information to the CEC.

Please do not hesitate to let me know if you have any questions.

Stephen Ahn | *Project Director*

NextEra Energy Resources

Mobile: +1 713 829 9269



From: Hennessy, Patrick@DOC [Patrick.L.Hennessy@conservation.ca.gov]
Sent: 4/16/2026 3:09:23 PM
To: Tatiana Inouye [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d127e0699c844e88806bedbc7a2b371d-12c63cc3-33]
Subject: RE: FMMP data for Solano County parcel

You don't often get email from patrick.l.hennessy@conservation.ca.gov.
[Learn why this is important](#)

Tatiana,

The first thing I have to share with you is a caveat from the FMMP main webpage.

In preparing Maps, the Department of Conservation considers all information collected or received on the amount of land converted to or from agricultural use, and between agricultural categories.

The Department shares changes to Maps with counties, which have 90 days to request corrections of discrepancies or errors in the classification of agricultural lands on the maps. The Department makes corrections of discrepancies or errors requested by counties, as required by statute (see Gov. Code, § 65570, subd. (c)). Corrections need to be supported with evidence of land use or irrigation status.

Although the Department will always accept and independently consider all information regarding land use and conversion from any source, the Department will not discuss Map designation changes with non-county parties whose interest it is to seek changes to the Maps.

FMMP uses USDA NAIP imagery as the primary imagery source to update the Important Farmland maps.
<https://naip-usdaonline.hub.arcgis.com/>

I have looked at your project site for the APN that you provided. During the 2020 Solano County Important Farmland map update, the 2020 NAIP imagery indicates the site is active irrigated agriculture. The imagery is captured in the summer, and green healthy vegetation indicates irrigation. The land use designation is irrigated agriculture, and underlying soil ratings by the USDA-NRCS put the land into Prime Farmland, Farmland of Statewide Importance, and Unique Farmland on the Important Farmland map.



During the 2022 Solano County Important Farmland map update, the site was noted as non-irrigated or fallow for the first time, but the land use designation remains in irrigated agriculture, and the Important Farmland designation remains Prime Farmland, Farmland of Statewide Importance, and Unique Farmland.



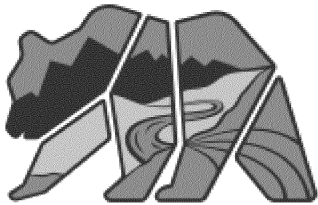
The last portion of the Prime Farmland, Farmland of Statewide Importance, and Unique Farmland definitions state that the land must have been used for irrigated agriculture at some time during the four years prior to the mapping date. This also means the land can be fallow or non-irrigated for up to four years before it doesn't qualify.

<https://www.conservation.ca.gov/dlrp/fmmp/Documents/Farmland%20Mapping%20and%20Monitoring%20Program%20Ag%20Removal%20protocol.pdf>

Assuming the land remains fallow or non-irrigated during the future 2024 Solano County Important Farmland map update, the land would be noted as fallow or non-irrigated for a second update, but will remain in Prime,

Statewide and Unique. If the land continues to be fallow or non-irrigated during the future 2026 update, FMMP staff will attempt to make a windshield site visit via a public road. If FMMP staff determine the land is fallow or non-irrigated during the site visit, the fallow/non-irrigated land use status is further confirmed, and the land can be removed from irrigated farmland. The four year period is from the 2022 update, which was the zero year mark, to the 2026 update, the four year mark.

FMMP expects to begin the 2024 update cycle in approximately 2 months. We don't know what order the counties will be mapped or when Solano will be completed and released. I hope this information will help you with your project planning.



Patrick Hennessy

Research Data Specialist 2
Division of Land Resource Protection

California Department of Conservation

715 P Street, MS 1904, Sacramento, CA 95814
(916) 617-0659
Patrick.L.Hennessy@conservation.ca.gov

From: Grundy, Farl@DOC <Farl.Grundy@conservation.ca.gov>

Sent: Thursday, April 16, 2026 9:24 AM

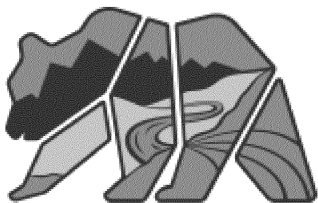
To: Tatiana Inouye <TInouye@aspeneg.com>

Subject: Re: FMMP data for Solano County parcel

Tatiana,

Although I do help out with the FMMP program, I am going to forward your question to the FMMP staff who can provide you with a more detailed answer than I can.

Sincerely,



Farl Grundy

Associate Environmental Planner
Division of Land Resource Protection
Williamson Act / CEQA

California Department of Conservation

715 P Street, MS 1904
Sacramento, CA, 95814
E: Farl.Grundy@conservation.ca.gov
T: (916) 279-2535



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From: Tatiana Inouye <Tinouye@aspeneg.com>
Sent: Thursday, April 16, 2026 9:19 AM
To: Grundy, Farl@DOC <Farl.Grundy@conservation.ca.gov>
Subject: FMMP data for Solano County parcel

You don't often get email from tinouye@aspeneg.com. [Learn why this is important](#)

Hi Farl,

I hope you are well, and I have enjoyed the opportunity to participate in the DLRP Open Office hours. I am currently working with the California Energy Commission to prepare a CEQA Agricultural Resources analysis for a proposed battery storage project in Solano County. I am reaching out to you with a question about potential updates to FMMP data for the project parcel.

This is the parcel's APN: 0141-030-090

According to the 2022 FMMP data that is available online, the site's Important Farmland acreages include 12.8 acres of Prime Farmland, 9.1 acres of Farmland of Statewide Importance, and 18.4 acres of Unique Farmland.

The site was formerly maintained as an orchard, but it appears that the trees were removed around 2019/2020 based on Google Earth imagery. The applicant has stated that the site has remained uncultivated since the orchard was removed, but I believe that it is still irrigated.

Can you tell me when the updated FMMP data will be publicly available?
Do you have any information you can share about possible changes to the Important Farmland designations for this particular site with the updated FMMP datasets?

Thank you in advance for your time. If you prefer to discuss this over the phone, you are welcome to call me at (818) 338-6762.

Regards,



Tatiana Inouye
Senior Planner
Planning & Public Policy
Office: (818) 338-6762
www.aspeneg.com

Agoura Hills | San Francisco | Sacramento | Inland Empire | Palm Springs

CORBY0000300

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From: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
Sent: 4/7/2026 8:31:54 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Subject: Corby BESS: Lot Line Adjustment
Attachments: CORBY-PARCELS.pdf

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

Good morning Renee,

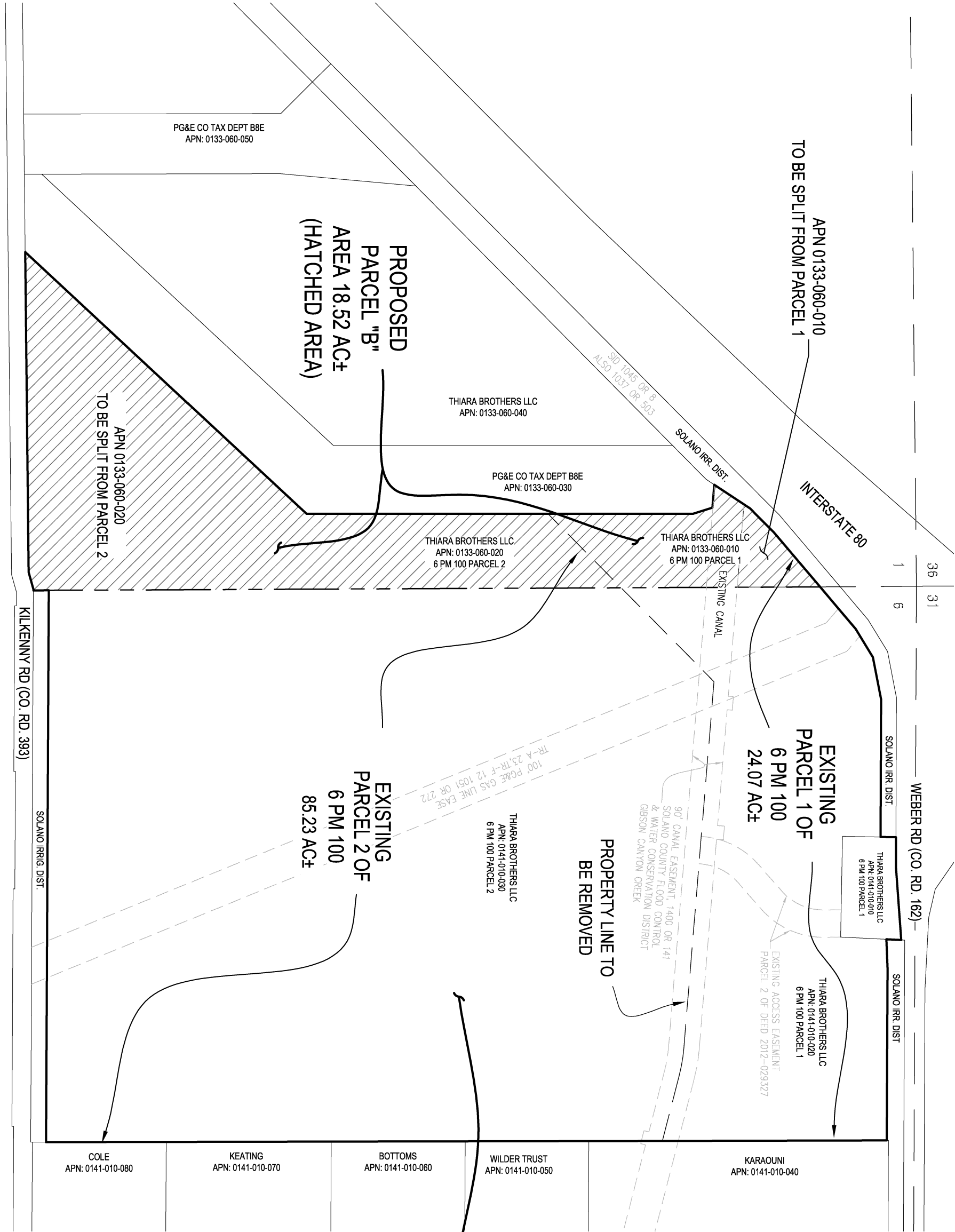
The Applicant is requesting the Energy Commission issue a lot line adjustment to reshape two existing parcels to conform with the project's proposed transmission line route, as shown in the attached exhibit. This change would transform existing parcels 1 (24.07 ac) and 2 (85.23 ac) into newly formed parcels A (90.79 ac) and B (18.52 ac).

Existing parcel 1 includes APNs 0141-010-010, 0141-010-020, and 0133-060-010 while parcel 2 includes APNs 0141-010-030 and 0133-060-020. Newly formed parcel A would include APNs 0141-010-010, 0141-010-020, and 0141-010-030 while newly formed parcel B would include 0133-060-010 and 0133-060-020. The newly formed parcels will satisfy City of Vacaville standards for minimum lot size and dimensions.

Section 1.1.1.2 of the Application described this portion of the gen-tie corridor being comprised of APNs 0133-060-010 and 0133-060-020, which remains accurate with this lot line adjustment. The lot line adjustment will create separate a separate legal parcel precisely matching the gen-tie corridor (including the gen-tie laydown area) and the APNs that corridor encompasses between Kilkenny Road and I-80 as presented and analyzed in the Application.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329



PROPOSED
PARCEL "A"
AREA 90.79 AC±

PROPOSED
PARCEL "B"
AREA 18.52 AC±
(HATCHED AREA)

EXISTING
PARCEL 1 OF
6 PM 100
24.07 AC±

EXISTING
PARCEL 2 OF
6 PM 100
85.23 AC±

TO BE SPLIT FROM PARCEL 2
APN 0133-060-020

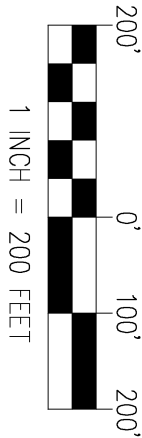
TO BE SPLIT FROM PARCEL 1
APN 0133-060-010

QUALUS

PROPOSED LOT
SPLIT EXHIBIT

MARCH 6, 2026

1931 SAN MIGUEL DRIVE, SUITE 100, WALNUT CREEK, CA 94596
WWW.QUALUSCORP.COM (925) 932-6888



From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 5/11/2026 1:15:03 PM
To: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Galindo, Sara [Sara.Galindo@nexteraenergy.com]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Subject: RE: Corby BESS Check-In Call

Hi Qaim,

No technical staff are needed on this call; we would like to provide some updates.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Sent: Monday, May 11, 2026 12:48 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

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Hi Renee,

I received the invite, would you like me to include any of our technical experts? Do you have any further context you can provide for the meeting so we can be prepared?

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Monday, May 11, 2026 3:30 PM
To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

Hi Qaim-

We would like to meet tomorrow, and I'll send out a meeting invite.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Sent: Friday, May 8, 2026 6:23 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

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Good morning Renee,

Following up on this, does staff have any interest/availability for a meeting today?

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Syed, Qaim
Sent: Wednesday, May 6, 2026 12:57 PM
To: 'Longman, Renee@Energy' <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

Good morning Renee,

I wanted to follow up on our meeting yesterday, does staff has interest in a meeting this Friday to discuss any open items/questions around the project ahead of our forecasted staff report publication?

We would be happy to make ourselves available for any further discussion that may be needed.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

-----Original Appointment-----

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, March 17, 2026 8:27 PM
To: Longman, Renee@Energy; Omercajic, Nadan; Syed, Qaim
Cc: Chang, Kaycee@Energy; Galindo, Sara
Subject: Corby BESS Check-In Call

When: Tuesday, May 5, 2026 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).

Where: Microsoft Teams Meeting

Corby BESS Check-In Call

Microsoft Teams meeting

Join:

<https://teams.microsoft.com/meet/23991909323093?p=LT8o44fY4av2JC2pCK>

Meeting ID: 239 919 093 230 93

Passcode: bf24Fa7Z

[Need help?](#) | [System reference](#)

Dial in by phone

[+1 916-562-1816,,23604625#](#) United States, Sacramento

[Find a local number](#)

Phone conference ID: 236 046 25#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

From: Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]
Sent: 5/27/2026 11:49:49 AM
To: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
CC: agreenberg [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9bfa77aaf044a8ca270ce3bcef10093-9afec475-67]; Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]; Adams, Josh [josh.adams@nexteraenergy.com]; Galindo, Sara [Sara.Galindo@nexteraenergy.com]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]
Subject: RE: Josh Adams Phone Number
Attachments: TN268540_20260209T115843_Application Section 2 Project Description markup file.pdf

Hi Qaim-

Per TN 268540 filed to the docket on 2/9/2026:

2.3.2.5 Operations and Maintenance Facility

The Project will include operations and maintenance (O&M) equipment that will be stored in up to eight conex storage containers, each approximately 10 feet by 20 feet in size placed in open areas within the fenced BESS yard. Operational staff will perform periodic inspections and maintenance as needed using the containers for storage of non-hazardous materials, equipment and other O&M work as needed.

If this is no longer current, please let us know ASAP.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Sent: Wednesday, May 27, 2026 5:30 AM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: agreenberg <agreenberg@risksci.com>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>; Adams, Josh <josh.adams@nexteraenergy.com>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>
Subject: RE: Josh Adams Phone Number

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

Good morning Renee,

For clarification, we do not have an onsite O&M facility for the project.

I am also happy to field questions, but Josh Adams can be reached at 503-309-2389.

Thanks, Qaim

Qaim Syed

Senior Project Manager - Development

NextEra Energy Resources

C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Sent: Tuesday, May 26, 2026 8:02 PM

To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>

Cc: agreenberg <agreenberg@risksci.com>; Fooks, Brett@Energy <Brett.Fooks@energy.ca.gov>

Subject: Josh Adams Phone Number

Hi Qaim,

What is the phone number for Josh Adams? We would like to confirm the fire detection/suppression system for the O&M facility.

Thank you,

Renee Longman AICP, LEED AP BD+C

Project Manager

Siting and Environmental Branch

Siting, Transmission and Environmental Protection Division

1-916-937-3538

California Energy Commission

Website: www.energy.ca.gov



Sent: 5/20/2026 11:58:20 AM
To: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
CC: Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Galindo, Sara [Sara.Galindo@nexteraenergy.com]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]
Subject: RE: Corby BESS Check-In Call

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Sent: Monday, May 11, 2026 1:30 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

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Understood, thanks Renee. I forwarded the invite to Simon as well, who you met on our last call.

Looking forward to the conversation tomorrow.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Monday, May 11, 2026 4:15 PM
To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

Hi Qaim,

No technical staff are needed on this call; we would like to provide some updates.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

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Sent: Monday, May 11, 2026 12:48 PM
To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

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Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

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Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

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Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Syed, Qaim <Qaim.Syed@nexteraenergy.com>
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To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
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Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Syed, Qaim
Sent: Wednesday, May 6, 2026 12:57 PM
To: 'Longman, Renee@Energy' <Renee.Longman@Energy.ca.gov>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>; Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>
Subject: RE: Corby BESS Check-In Call

Good morning Renee,

I wanted to follow up on our meeting yesterday, does staff has interest in a meeting this Friday to discuss any open items/questions around the project ahead of our forecasted staff report publication?

We would be happy to make ourselves available for any further discussion that may be needed.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

-----Original Appointment-----
From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, March 17, 2026 8:27 PM
To: Longman, Renee@Energy; Omercajic, Nadan; Syed, Qaim
Cc: Chang, Kaycee@Energy; Galindo, Sara
Subject: Corby BESS Check-In Call
When: Tuesday, May 5, 2026 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Corby BESS Check-In Call

Microsoft Teams meeting

Join:
<https://teams.microsoft.com/meet/23991909323093?p=LT8o44fY4av2JC2pCK>
Meeting ID: 239 919 093 230 93
Passcode: bf24Fa7Z

[Need help?](#) | [System reference](#)

Dial in by phone

+1 916-562-1816,,23604625# United States, Sacramento

[Find a local number](#)

Phone conference ID: 236 046 25#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

From: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
Sent: 5/20/2026 4:29:14 PM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Galindo, Sara [Sara.Galindo@nexteraenergy.com]
Subject: Re: Corby BESS: Lot Line Adjustment

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

Hi Renee,

We are working to get this in the right form to docket and will aim to have it uploaded this week.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Wednesday, May 20, 2026 5:41 PM
To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>
Subject: Corby BESS: Lot Line Adjustment

Caution - External Email
This message is from someone outside of the organization.

Report Suspicious

Good afternoon,

As a reminder, if you could please file this information to the project docket.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

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

Good morning Renee,

The Applicant is requesting the Energy Commission issue a lot line adjustment to reshape two existing parcels to conform with the project's proposed transmission line route, as shown in the attached exhibit. This change would transform existing parcels 1 (24.07 ac) and 2 (85.23 ac) into newly formed parcels A (90.79 ac) and B (18.52 ac).

Existing parcel 1 includes APNs 0141-010-010, 0141-010-020, and 0133-060-010 while parcel 2 includes APNs 0141-010-030 and 0133-060-020. Newly formed parcel A would include APNs 0141-010-010, 0141-010-020, and 0141-010-030 while newly formed parcel B would include 0133-060-010 and 0133-060-020. The newly formed parcels will satisfy City of Vacaville standards for minimum lot size and dimensions.

Section 1.1.1.2 of the Application described this portion of the gen-tie corridor being comprised of APNs 0133-060-010 and 0133-060-020, which remains accurate with this lot line adjustment. The lot line adjustment will create separate a separate legal parcel precisely matching the gen-tie corridor (including the gen-tie laydown area) and the APNs that corridor encompasses between Kilkenny Road and I-80 as presented and analyzed in the Application.

Thanks, Qaim

Qaim Syed

Senior Project Manager - Development

NextEra Energy Resources

C: (404)-956-0329

From: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
Sent: 5/29/2026 11:25:42 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Urry, Doug [doug.urry@tetrattech.com]; Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Galindo, Sara [Sara.Galindo@nexteraenergy.com]
Subject: RE: Corby BESS: SCADA

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

Hi Renee,

PG&E will install their RTU and SCADA at the project control house, which will be separate from the SCADA the applicant will have in place for the site.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Thursday, May 28, 2026 6:38 PM
To: Urry, Doug <doug.urry@tetrattech.com>; Syed, Qaim <Qaim.Syed@nexteraenergy.com>
Subject: Corby BESS: SCADA

Hi Doug and Qaim,

Per application page 3-15, Section 3.4.1, I'd like to double check that it would be PG&E installing the SCADA system at the project site and not the applicant.

3.4.1 New Equipment Installation

The IR studies indicate that the following equipment will be installed by PG&E at Vaca-Dixon Substation:

- One new 230-kV double bus bay with circuit breaker, switch, coupling capacitor voltage transformers, proactive relays, and fiber termination;
- Remote terminal unit and supervisory control and data acquisition at the Project site; and
- The approximately 0.2-mile long segment of a new 230-kV gen-tie line from the POCO to the POI within Vaca-Dixon Substation.

The following equipment will be installed by the Applicant:

- The approximately 0.9-mile-long 230-kV gen-tie line from the Project substation to the POCO;
- Three-phase, 230/34.5/13.8-kV, 170 MVA main step-up transformers; and
- Battery inverters rated 2.2 MVA at 100 percent power factor (2.09 MW at 95 percent power factor).

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager

Siting and Environmental Branch
Siting, Transmission and Environmental Protection Division
1-916-937-3538

California Energy Commission
Website: www.energy.ca.gov



From: Fooks, Brett@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=870DF74143964B71ADA0039BF13C5A9A-FOOKS, BRET]
Sent: 6/16/2026 11:54:33 AM
To: Acimis, Banu [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=97a2bcfb9cd04297a08b825db16b6d58-fe6532e3-51]; Wu, Chih sien Eric [eric.wu@cpuc.ca.gov]; Hart, Ryan [ryan.hart@cpuc.ca.gov]; agreenberg [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9bfa77aaf044a8ca270ce3bcef10093-9afec475-67]; Hur, Stephen [stephen.hur@cpuc.ca.gov]
Subject: CPUC Outreach...
Attachments: BESS Safety and Impacts 06-16-26.docx
Location: Microsoft Teams Meeting
Start: 6/18/2026 4:00:00 PM
End: 6/18/2026 4:50:00 PM
Show Time As: Busy
Recurrence: (none)
Required Attendees: Acimis, Banu; Wu, Chih sien Eric; Hart, Ryan; agreenberg; Hur, Stephen

The purpose of this meeting is to discuss the CEC's approach to Corby for fire and toxics.

Microsoft Teams meeting

Join:

<https://teams.microsoft.com/meet/236391795082241?p=yBrgC1yqjeznpTAVWX>

Meeting ID: 236 391 795 082 241

Passcode: Lf6zt9K3

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+1 323-886-7533,,288474628# United States, Los Angeles

[Find a local number](#)

Phone conference ID: 288 474 628#

Join on a video conferencing device

Tenant key: nexteraenergy@m.webex.com

Video ID: 112 591 589 4

[More info](#)

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

From:

Longman, Renee@Energy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=56333A9ACBA74875B8C0175B8BEA5D52-77429D54-8C]

Sent:

6/19/2026 9:25:35 AM

To:

Robert Holmes [RHolmes@sidwater.org]

CC:

Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]

Subject:

RE: 24-OPT-05 Draft EIR and Staff Analysis

Attachments:

Opt-In_Certification_Fact_Sheet_ada (2).pdf

Hi Bob,

The Staff Assessment (that includes the draft environmental impact report) will be released for a 60-day public review period. CEC will hold a public meeting on the Staff Assessment during the public review period. I’ve attached a copy of the Opt-In Certification Fact Sheet that provides an overview of the process, and the following link is to the CEC Opt-In Certification Program webpage that provides more information on the program: <https://www.energy.ca.gov/programs-and-topics/topics/power-plants/opt-certification-program>

If you have any additional questions, please let us know.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Robert Holmes <RHolmes@sidwater.org>

Sent: Wednesday, June 17, 2026 9:38 AM

To: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>

Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>

Subject: RE: 24-OPT-05 Draft EIR and Staff Analysis

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

Thank you for getting back to me.

With the Draft EIR coming out at the same time as the SA, are there any meetings held to comment on the DEIR prior to the November 18, 2026, Business Meeting? The time period is unusually short to take comments on the DEIR and have a response. Or, is the process such that that doesn’t happen?

I apologize for all the questions but I’m not familiar with this process.

Best Regards,

Bob Holmes
Sr. Real Property and Project Manager
Solano Irrigation District
810 Vaca Valley Parkway
Vacaville, CA 95688
Monday-Wednesday in Vacaville
7:00am to 3:00pm
Office (707) 455-4032

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Wednesday, June 17, 2026 9:32 AM
To: Robert Holmes <RHolmes@sidwater.org>
Cc: Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>
Subject: RE: 24-OPT-05 Draft EIR and Staff Analysis

Hi Bob,

Thank you for your question. There was a schedule change. The new date for filing the SA is by July 21, 2026, with an anticipated decision at the November 18, 2026, Business Meeting. A copy of the schedule change letter is provided as an attachment.

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting, Transmission and Environmental Protection Division

From: Robert Holmes <RHolmes@sidwater.org>
Sent: Tuesday, June 16, 2026 11:27 AM
To: Energy - STEP Siting <STEPsiting@energy.ca.gov>
Subject: 24-OPT-05 Draft EIR and Staff Analysis

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

Can you please provide the schedule for the publishing of the draft EIR? I also note that the Staff Analysis was due on the 15th, when is it expected?

Thank you for any information.

Best Regards,

Bob Holmes

Sr. Real Property and Project Manager
Solano Irrigation District
810 Vaca Valley Parkway
Vacaville, CA 95688
Monday-Wednesday in Vacaville
7:00am to 3:00pm
Office (707) 455-4032

From: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
Sent: 6/9/2026 11:35:25 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]; Galindo, Sara [Sara.Galindo@nexteraenergy.com]
CC: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]
Subject: RE: Corby BESS

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Hi Renee,

We are available at the below times (PST) tomorrow:

9:00-9:30 am
10:30-11:30 am
1:00-2:00 pm

Any context you may be able to provide ahead of the conversation would be appreciated.

Thanks, Qaim

Qaim Syed
Senior Project Manager - Development
NextEra Energy Resources
C: (404)-956-0329

From: Longman, Renee@Energy <Renee.Longman@Energy.ca.gov>
Sent: Tuesday, June 9, 2026 2:04 PM
To: Syed, Qaim <Qaim.Syed@nexteraenergy.com>; Galindo, Sara <Sara.Galindo@nexteraenergy.com>
Cc: Omercajic, Nadan <Nadan.Omercajic@nexteraenergy.com>; Chang, Kaycee@Energy <kaycee.chang@energy.ca.gov>
Subject: Corby BESS

Hi Qaim and Sara-

We would like to provide some updates and discuss a couple of items related to Corby. Can you identify a couple times tomorrow that would work for you?

Thank you,

Renee Longman AICP, LEED AP BD+C
Project Manager
Siting and Environmental Branch
Siting, Transmission and Environmental Protection Division
1-916-937-3538

California Energy Commission
Website: www.energy.ca.gov

CORBY0000323



From: Syed, Qaim [Qaim.Syed@nexteraenergy.com]
Sent: 6/2/2026 7:36:50 AM
To: Longman, Renee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56333a9acba74875b8c0175b8bea5d52-77429d54-8c]
CC: Omercajic, Nadan [Nadan.Omercajic@nexteraenergy.com]; Galindo, Sara [Sara.Galindo@nexteraenergy.com]
Subject: Corby - PG&E Scope Jurisdiction

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

Good morning Renee,

Based on conversations with yourself and Eric, it is our understanding that the PGE work will not be subject to the CBO Review process and subsequent building / grading permits. However, we would like to confirm if the PGE work will need to be governed by the project-specific pre-construction and construction compliance plans?

Thanks, Qaim

Qaim Syed

Senior Project Manager - Development

NextEra Energy Resources

C: (404)-956-0329

From: Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]
Sent: 7/1/2026 2:31:59 PM
To: Wu, Chih sien Eric [eric.wu@cpuc.ca.gov]
CC: Galer, Regina@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b683b15af7854f2198bc9a2f424ed7a1-b29c4026-02]; Vorters, Dian@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c5604e712a74c029e412542e0db72ac-Vorters, Di]; Bohan, Drew@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd07a25fcbc49b0bbb219cc3b788983-Bohan, Drew]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Hughes, Joseph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd5e80572b644209e9607ba7bdc630-Hughes, Jos]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]; Acimis, Banu [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=97a2bcfb9cd04297a08b825db16b6d58-fe6532e3-51]; Hur, Stephen [stephen.hur@cpuc.ca.gov]
Subject: CPUC Corby Comments...

Afternoon Eric,

Thank you for taking the time to review CEC staff's methodology for evaluating the frequency and impact to public health from battery energy storage system fires and for providing your thoughtful comments and feedback. We greatly appreciate your willingness to share your expertise. Your input helps strengthen our technical analyses, improve the consistency and quality of our documents, and supports a more transparent and collaborative review process across our partner agencies. Staff carefully considered all comments received and incorporated revisions where appropriate.

Regards,

Brett Fooks (he/him/his)

Manager

Safety & Reliability Branch

Siting, Transmission, & Environmental Protection

1-916-931-9603

California Energy Commission

Website: www.energy.ca.gov



From: Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]
Sent: 7/1/2026 2:51:41 PM
To: Jesinger, Rachel@DTSC [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bd7405406874452e86aba84b38d208b6-17bfa53f-cc]
CC: Vorters, Dian@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c5604e712a74c029e412542e0db72ac-Vorters, Di]; Bohan, Drew@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd07a25fcbc49b0bbb219cc3b788983-Bohan, Drew]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Hughes, Joseph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd5e80572b644209e9607ba7bdc630-Hughes, Jos]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]; Hanley, Valerie@DTSC [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5c4eb697513e497bb73445619408805a-DTSCVHanley]; Bane, Mandi@DTSC [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=114f915942f14178bf5da7dcd1abe664-79d52379-3c]; Nepomuceno, Gabriella@DTSC [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c26c6754da0343a295c1c4aeb70c51c6-DTSCGNepomu]; Sanchez, Craig@DTSC [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eae2f669360146888b00718159aafdfd-50261548-6f]
Subject: DTSC Corby Comments...

Afternoon Rachel,

Thank you for taking the time to review CEC staff's methodology for evaluating the frequency and impact to public health from battery energy storage system fires and for providing your thoughtful comments and feedback. We greatly appreciate your willingness to share your expertise. Your input helps strengthen our technical analyses, improve the consistency and quality of our documents, and supports a more transparent and collaborative review process across our partner agencies. Staff carefully considered all comments received and incorporated revisions where appropriate.

Regards,

Brett Fooks (he/him/his)

Manager

Safety & Reliability Branch

Siting, Transmission, & Environmental Protection

1-916-931-9603

California Energy Commission

Website: www.energy.ca.gov



From: Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]
Sent: 7/1/2026 3:31:19 PM
To: Sakamoto, Vickie@CALFIRE [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cb4aa7d353204277a8b43df6b38726a4-Vickie.Saka]
CC: Bohan, Drew@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd07a25fcbc49b0bbb219cc3b788983-Bohan, Drew]; Galer, Regina@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b683b15af7854f2198bc9a2f424ed7a1-b29c4026-02]; Vorters, Dian@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c5604e712a74c029e412542e0db72ac-Vorters, Di]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Hughes, Joseph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd5e80572b644209e9607ba7bdc630-Hughes, Jos]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]
Subject: OSFM Corby Comments...

Afternoon Vicki,

Thank you for taking the time to review CEC staff's methodology for evaluating the frequency and impact to public health from battery energy storage system fires and for providing your thoughtful comments and feedback. We greatly appreciate your willingness to share your expertise. Your input helps strengthen our technical analyses, improve the consistency and quality of our documents, and supports a more transparent and collaborative review process across our partner agencies. Staff carefully considered all comments received and incorporated revisions where appropriate.

Regards,

Brett Fooks (he/him/his)
Manager
Safety & Reliability Branch
Siting, Transmission, & Environmental Protection
1-916-931-9603
California Energy Commission
Website: www.energy.ca.gov



From: Fooks, Brett@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=870df74143964b71ada0039bf13c5a9a-Fooks, Bret]
Sent: 7/1/2026 4:08:05 PM
To: Edwards, David@OEHHA [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=70b408be67ae47118670573b2250bf57-OEHHADavid.]
CC: Thayer, Kris@OEHHA [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5994e63bf9e54a3a85be117fc4d89af8-585bd1e3-f6]; Lensing, Allison@OEHHA [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=414f44f714de41f8ad84d234c9a996a8-ddd62ebf-45]; Bohan, Drew@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd07a25fcbc49b0bbb219cc3b788983-Bohan, Drew]; Galer, Regina@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b683b15af7854f2198bc9a2f424ed7a1-b29c4026-02]; Vorters, Dian@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c5604e712a74c029e412542e0db72ac-Vorters, Di]; Chang, Kaycee@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd3d2fc8670840bda4acdc455903e787-Chang, Kayc]; Hughes, Joseph@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7dd5e80572b644209e9607ba7bdcdb630-Hughes, Jos]; Qian, Wenjun@Energy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e4421be8df5f40ec851d73affcbff913-Qian, Wenju]
Subject: OEHHA Corby Comments...

Afternoon David,

Thank you for taking the time to review CEC staff's methodology for evaluating the frequency and impact to public health from battery energy storage system fires and for providing your thoughtful comments and feedback. We greatly appreciate your willingness to share your expertise. Your input helps strengthen our technical analyses, improve the consistency and quality of our documents, and supports a more transparent and collaborative review process across our partner agencies. Staff carefully considered all comments received and incorporated revisions where appropriate.

Regards,

Brett Fooks (he/him/his)

Manager

Safety & Reliability Branch

Siting, Transmission, & Environmental Protection

1-916-931-9603

California Energy Commission

Website: www.energy.ca.gov

