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APPENDIX 4.13-A: AMBIENT NOISE MEASUREMENT STUDY

Memorandum

To:	Nadan Omercajic, Environmental Project Manager, NextEra Energy
From:	Noah Schumaker, Noise Specialist, ICF Jonathan Higginson, Senior Manager, Acoustics, ICF
Date:	August 27, 2024
Re:	**Corby Battery Energy Storage System Project – Ambient Noise Measurement Data**

Introduction

This memorandum discusses field-measured ambient noise levels in the vicinity of the proposed Corby Battery Energy Storage System (BESS) Project in Solano County, California. A combination of six measurements were conducted between Tuesday, June 13, 2023, and Friday, June 16, 2023, to document existing noise levels in the project area with the use of integrating sound level meters (SLMs).

Ambient Noise Measurement Methodology

Existing ambient noise conditions were measured between June 13 and June 16, 2023, at six locations. These included both short-term (ST) measurements conducted over a period of 15 minutes, and long-term (LT) noise measurements, which logged hourly data over a period of at least 25 hours (the actual duration for each LT measurement was 67 hours). The measurement locations were selected to provide a representative sample of the existing ambient noise levels around the project site, including those at nearby noise-sensitive receptor locations (i.e., residential dwellings) and those along the local roadways that border the project site (i.e., Kilkenny Road and Byrnes Road). All measurement locations are indicated in Figure 1 in Appendix A of this memorandum.

The instrument used to obtain the ST noise measurements, designated ST1 and ST2, was a Type 1 Larson Davis SLM (Model 831). The Larson Davis SLM was set to the "slow" time-response mode and the A-weighting filter network. The SLM was mounted on a tripod with the microphone at a height of 5 feet above the ground. The instruments used to obtain the LT noise measurements, designated LT1, LT2, LT3, and LT4, were four Type 2 Piccolo II SLMs. Long-term SLMs were configured to collect hourly data using the "slow" time-response mode and the A-weighting filter network. These four SLMs were then attached to trees and utility poles at heights ranging from 8 to 12 feet above ground to keep them safe and out of reach. All SLMs were field calibrated using a Larson Davis CAL200 acoustical calibrator before each measurement to ensure accuracy. The instruments are maintained to manufacturer specifications, in accordance with American National Standards Institute standard S1.4.

Conditions During the Noise Measurements

The area surrounding the proposed project site is rural residential, with active farms and sparsely-distributed homes. While on site, field staff witnessed light vehicular traffic on local streets (e.g., between 11 and 21 vehicles on Byrnes Road in a 15-minute interval), active farm equipment (a hay bale forklift and tractors), and propeller planes flying overhead. Other noise sources included birds, rustling leaves, and distant farm animals.[1]

Field staff recorded weather conditions during the ST noise measurements. At the time of these measurements, conditions in the project vicinity consisted of clear skies, with temperatures around 81 degrees Fahrenheit, wind speeds between 3 and 7 miles per hour, and relative humidity ranging from 52 to 53 percent.

Although field staff were not physically present for the entire duration of the LT measurements, weather data was accessed from a local weather station for the days when noise monitoring equipment was deployed. Refer to Table 1 for a summary of the weather conditions during the measurements. Complete weather data are included in Appendix B of this memorandum. There was no measurable precipitation during the noise measurements.

[1] These observations were made during short-term noise measurements on June 6, 2023.

Table 1. Summary of Weather Data During Noise Monitoring

	Temperature (°F)			Humidity (%)			Wind Speed (mph)		
Date	**Min**	**Average**	**Max**	**Min**	**Average**	**Max**	**Min**	**Average**	**Max**
6/13/2023	61.3	73.0	79.2	48	56	72	0.7	5.7	14.0
6/14/2023	54.7	69.5	84.6	43	64	86	0.4	2.1	10.3
6/15/2023	55.4	71.6	86.7	34	60	86	0.0	2.6	10.1
6/16/2023	56.5	60.9	72.5	54	75	83	0.4	2.2	5.6

Notes: all weather data was accessed from the KCAVACAV11 weather station via www.wunderground.com.
This summary and the weather data included in Appendix B begins at 1:59 p.m. on June 13, 2023, and concludes at 9:03 a.m. June 16, 2023. This period was selected to match the LT measurement period.

Measurement Results

Refer to Table 2 for a summary of the ST measurement results and Table 3 for a summary of the LT measurement results. Complete measured ambient noise data, noise survey sheets, and field photographs are included in Appendix B of this memorandum.

Table 2. Measured Existing Noise Levels in the Project Vicinity from Short-Term Monitoring

Location Number: Description	Date	Time	Noise Level dBA L_{eq}
ST1: East of the project site, approximately 200 feet east of Brynes Road	6/13/2023	2:11 p.m.	52.4
ST2: North of the project site and along the east side of Brynes Road	6/13/2023	2:41 p.m.	65.2

ST (15-minute) noise monitoring occurred on June 13, 2023. Refer to Appendix B for a full record of ambient noise data.

Table 3. Measured Existing Noise Levels in the Project Vicinity from Long-Term Monitoring

Location Number: Description	Date	Time of Day	Noise Levels, dBA					
			L_{eq} Range (Average)	L_{10} Range (Average)	L_{50} Range (Average)	L_{90} Range (Average)	CNEL Range (Average)	L_{dn} Range (Average)
LT1: Northwest of project site, approximately 235 feet north of Kilkenny Road	6/13/2023 to 6/16/2023	Daytime	47.5–56.8 (52.3)	49.4–61.1 (53.2)	44.6–53.6 (47.6)	42.9–50.2 (45.4)	60.8–62.9 (61.8)	60.5–62.7 (61.6)
		Evening	50.1–58.3 (54.2)	51.5–59.9 (54.9)	49.2–58.1 (52.7)	47.2–55.9 (50.7)		
		Nighttime	51.5–60.0 (55.7)	52.9–65.2 (56.7)	51.2–58.1 (54.3)	48.8–56.4 (52.2)		
LT2: Directly south of project site boundary, approximately 435 feet west of Byrnes Road	6/13/2023 to 6/16/2023	Daytime	46.0–69.4 (57.2)	47.3–73.0 (53.7)	43.2–61.9 (48.1)	41.1–54.7 (45.4)	61.7–64.2 (62.8)	61.4–64.1 (62.6)
		Evening	50.0–58.4 (55.1)	50.9–60.1 (55.8)	47.5–58.1 (53.2)	45.9–55.4 (50.8)		
		Nighttime	49.9–61.3 (56.5)	51.0–62.8 (57.4)	49.3–61.1 (54.9)	47.8–59.4 (52.6)		
LT3: West of project site and along the north side of Kilkenny Road	6/13/2023 to 6/16/2023	Daytime	55.9–65.1 (61.0)	50.0–60.7 (55.8)	43.3–55.3 (47.7)	41.9–53.2 (46.0)	64.6–67.8 (65.7)	64.3–67.6 (65.4)
		Evening	56.8–61.9 (59.4)	52.9–63.7 (58.3)	50.9–61.2 (55.2)	48.6–58.9 (52.7)		
		Nighttime	51.1–63.2 (59.1)	53.0–64.6 (59.8)	50.6–61.7 (56.5)	48.6–59.5 (53.2)		
LT4: South of project site, approximately 65 feet west of Byrnes Road	6/13/2023 to 6/16/2023	Daytime	59.6–69.4 (64.3)	57.7–73.0 (65.1)	47.2–62.2 (51.6)	43.4–54.6 (46.8)	68.7–69.6 (69.4)	68.4–69.3 (69.1)
		Evening	58.7–66.7 (63.1)	55.8–68.8 (61.1)	49.0–66.8 (57.1)	46.9–59.6 (53.0)		
		Nighttime	51.6–68.0 (62.2)	53.2–69.4 (61.3)	49.9–66.5 (56.8)	47.9–58.6 (53.0)		

LT (25-hour or more) noise monitoring occurred between June 13 and June 16, 2023. Refer to Appendix B for a full record of ambient noise data. The total measurement duration was 67 hours.

Notes Regarding Measurement Results

The following notes are provided for additional context regarding the field noise measurements and results.

Nighttime Noise Levels

A surprising characteristic of the measured noise levels is that nighttime noise levels are not consistently lower than daytime and evening noise levels. At some locations, certain measured noise metrics were higher at night. Because the measurements were unattended, the reason for these patterns is unclear. Explanations might include nighttime agricultural activities such as irrigation, or atmospheric conditions such as a temperature inversion. A temperature inversion is an atmospheric condition that can cause sound levels to increase by bending sound waves back toward the ground. This happens when the air above the ground is warmer than the air near the ground, which can occur at night when the ground cools faster than the air above it. The temperature gradient causes sound waves to refract downward, which can make sounds louder and travel farther at ground level. A temperature inversion could increase nighttime noise levels from the I-80 freeway approximately 0.6 miles northwest of the project site. Noise from the Union Pacific Railroad approximately 1.4 miles southeast of the project site may also be affected by a temperature inversion at night.

LT Measurement Setup

All LT measurements were obtained by surface-mounting sound level meters to available trees or utility poles at heights ranging from 8 to 12 feet above ground. This methodology was selected for several reasons:

- It offered some physical security for unattended measurement equipment, placing the equipment out of easy reach and making it less conspicuous to potential thieves or vandals.
- It kept unattended measurement equipment clear of ongoing agricultural operations.
- It allowed measurements to be obtained using accessible agricultural properties and public rights-of-way.

Surface mounting affects the measured noise levels by partially shielding the SLM microphone from some noise sources (which will reduce measured noise levels) and reflecting some additional noise toward the microphone (which will increase measured noise levels). Because trees and utility poles are small curved surfaces these effects are generally small for the mix of broad-band A-weighted ambient noise being measured. At LT3 and LT4, which were both close to the adjacent roadways, the SLMs were mounted on the opposite side of the pole from the road. Because this would partially shield the measurement microphones from the dominant noise sources (i.e., roads) the ambient noise measurements obtained with this configuration would be conservative (i.e., lower than with the SLM facing the road).

LT1 was mounted to a tree and, although average wind speeds were low during the measurements, this location may have experienced periodic elevated noise levels due to the proximity of foliage (i.e., rustling leaves).

LT Measurement Data Selection

CEC noise study requirements state "the existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. The results of the noise level measurements shall be reported as hourly averages in L_{eq} (equivalent sound or noise level), L_{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L_{10}, L_{50}, and L_{90} values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported in units of dB(A)."

The noise data reported in this memorandum substantially exceed those minimum requirements by providing four LT measurements with a duration of 67 hours each, as well as two additional ST measurements. These measurements include all the required metrics plus L_{max}, L_2, L_{25}, L_{99}, and L_{min} values.

This memo should be reviewed in its entirety before selecting the ambient noise data that best represents existing ambient noise conditions at the receptor(s) to be analyzed. If specific measurements are determined to insufficiently represent the conditions at nearby receptors[2] alternative data may be selected based on the best judgment of the acoustical analyst performing the assessment. Such alternatives include, but are not limited to:

- Selecting a more conservative example from the available measurement locations.
- Using the worst-case (lowest) hourly L_{eq} noise level from the entire measurement period, or the specific hours of interest (e.g., day, evening, or nighttime).
- Using an alternative metric, such as the L_{90}, instead of L_{eq} to estimate the residual sound level as suggested by ANSI/ASA S3/SC1.100-2014.[3]

[2] For instance, if a measurement is deemed too close to a roadway or potentially influenced by foliage noise.

[3] American National Standards Institute / Acoustical Society of America, *Methods to Define and Measure the Residual Sound in Protected Natural and Quiet Residential Areas*.

Appendix A

Noise Measurement Location Map

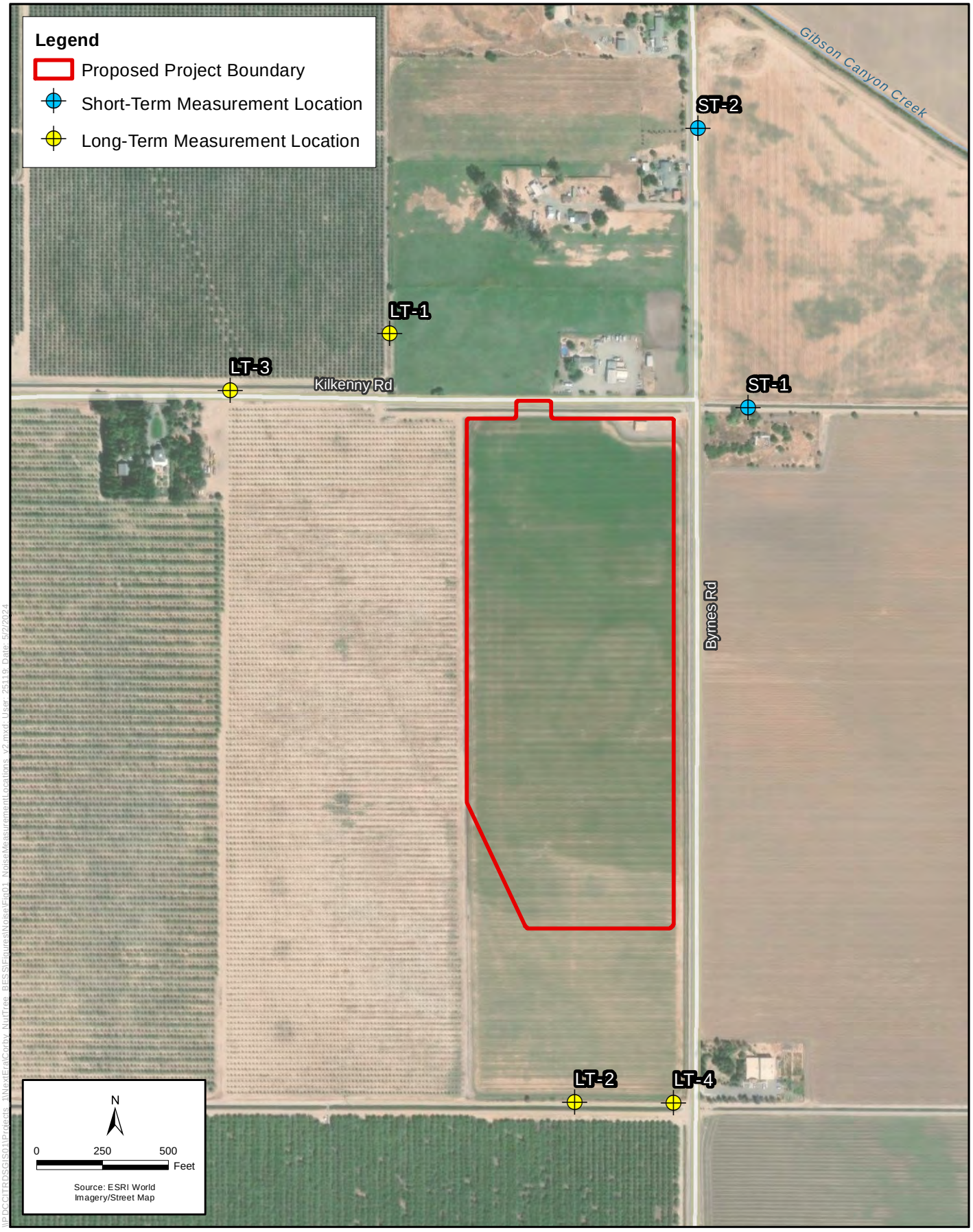


Figure 1
Noise Measurement Locations Map

Appendix B

Noise Measurement Data

Long Term Measurement Data

Title: Table 1. Corby BESS - Long-Term Noise Measurement Analysis.
Site ID: LT-1
Location: On tree, northwest of site (38.395997°, -121.909916°)
Start Date: 6/13/2023
End Date: 6/16/2023

		Noise Data Calculations, dBA								
Time of Day	**Value**	**Leq**	**Lmax**	**L02**	**L10**	**L25**	**L50**	**L90**	**L99**	**Lmin**
Day (7 A.M. - 7 P.M.)	**Min**	47.5	60.9	53.8	49.4	47.0	44.6	42.9	42.0	41.8
	Max	56.8	77.9	67.5	61.1	55.0	53.6	50.2	49.0	48.4
	Avg.	52.3	-	59.2	53.2	49.8	47.6	45.4	44.4	-
Eve (7 P.M. - 10 P.M.)	**Min**	50.1	59.9	53.9	51.5	50.3	49.2	47.2	45.7	45.0
	Max	58.3	71.2	61.2	59.9	59.2	58.1	55.9	54.6	53.5
	Avg.	54.2	-	56.8	54.9	53.9	52.7	50.7	49.5	-
Night (10 P.M. - 7 A.M.)	**Min**	51.5	56.3	54.3	52.9	51.9	51.2	48.8	47.2	46.3
	Max	60.0	77.4	68.7	65.2	58.9	58.1	56.4	55.1	54.3
	Avg.	55.7	-	58.8	56.7	55.4	54.3	52.2	50.8	-
Day (7 A.M. - 10 P.M.)	**Min**	47.5	59.9	53.8	49.4	47.0	44.6	42.9	42.0	41.8
	Max	58.3	77.9	67.5	61.1	59.2	58.1	55.9	54.6	53.5
	Avg.	52.8	-	58.7	53.6	50.7	48.8	46.6	45.5	-
Night (10 P.M. - 7 A.M.)	**Min**	51.5	56.3	54.3	52.9	51.9	51.2	48.8	47.2	46.3
	Max	60.0	77.4	68.7	65.2	58.9	58.1	56.4	55.1	54.3
	Avg.	55.7	-	58.8	56.7	55.4	54.3	52.2	50.8	-

Time of Week	**Value**	**CNEL, dBA**	**Ldn, dBA**
Weekday Only	**Min**	60.8	60.5
	Max	62.9	62.7
	Avg.	61.8	61.6
Weekend Only	**Min**	N/A	N/A
	Max	N/A	N/A
	Avg.	N/A	N/A
Full Week	**Min**	60.8	60.5
	Max	62.9	62.7
	Avg.	61.8	61.6

Noise Measurement Data, dBA - LT-1, On tree, northwest of site (38.395997°, -121.909916°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Tue-06/13/23	2:00:00 PM	52.5	69.7	60.2	55.5	52.6	49.1	45.3	43.9	43.3
Tue-06/13/23	3:00:00 PM	53.7	71.7	63.2	57.1	51.8	48.4	45.6	44.6	43.7
Tue-06/13/23	4:00:00 PM	52.7	68.9	60.2	55.5	52.4	50.1	47.7	46.5	45.8
Tue-06/13/23	5:00:00 PM	53.3	67.5	60.6	55.8	53.2	51.1	48.8	47.6	46.8
Tue-06/13/23	6:00:00 PM	51.6	63.8	58.1	54.2	51.5	49.8	47.7	46.5	45.3
Tue-06/13/23	7:00:00 PM	50.9	71.2	54.8	51.8	50.6	49.6	48.0	46.6	45.5
Tue-06/13/23	8:00:00 PM	52.5	59.9	55.5	54.3	53.5	52.3	49.6	48.5	47.7
Tue-06/13/23	9:00:00 PM	54.5	63.1	57.0	55.7	54.9	54.2	53.1	52.0	51.1
Tue-06/13/23	10:00:00 PM	54.3	61.4	56.7	55.8	54.9	54.0	52.8	52.1	51.3
Tue-06/13/23	11:00:00 PM	54.5	62.0	57.2	55.8	55.0	54.4	52.7	51.1	49.7
Wed-06/14/23	12:00:00 AM	53.4	62.3	56.0	54.8	54.1	53.2	51.6	50.1	49.1
Wed-06/14/23	1:00:00 AM	53.0	63.0	56.1	54.8	53.9	52.7	50.3	48.7	47.3
Wed-06/14/23	2:00:00 AM	51.8	58.2	55.5	54.0	52.7	51.3	48.8	47.2	46.3
Wed-06/14/23	3:00:00 AM	53.1	60.0	55.5	54.4	53.7	52.9	51.2	49.9	48.8
Wed-06/14/23	4:00:00 AM	54.0	60.8	57.4	55.9	54.8	53.4	51.5	50.5	49.5
Wed-06/14/23	5:00:00 AM	58.8	77.4	68.4	57.9	56.4	55.0	51.5	49.3	48.3
Wed-06/14/23	6:00:00 AM	60.0	72.9	68.7	65.2	57.6	54.5	51.3	49.8	48.9
Wed-06/14/23	7:00:00 AM	56.5	72.1	66.8	60.5	51.3	48.7	46.6	45.7	44.9
Wed-06/14/23	8:00:00 AM	53.5	70.3	64.6	53.6	48.1	46.5	45.0	44.2	43.7
Wed-06/14/23	9:00:00 AM	51.5	71.7	59.6	50.2	47.3	45.6	43.7	42.9	42.3
Wed-06/14/23	10:00:00 AM	56.2	71.9	66.4	61.1	50.5	46.9	44.2	43.3	42.7
Wed-06/14/23	11:00:00 AM	52.7	70.2	62.6	54.5	50.6	47.6	44.5	43.5	42.8
Wed-06/14/23	12:00:00 PM	51.7	70.6	59.9	54.2	49.9	47.1	43.9	43.0	42.4
Wed-06/14/23	1:00:00 PM	51.4	68.8	60.6	52.6	49.4	47.2	44.6	43.5	42.9
Wed-06/14/23	2:00:00 PM	52.3	75.3	59.5	53.1	50.0	46.9	43.8	42.6	42.1
Wed-06/14/23	3:00:00 PM	51.7	68.6	60.3	54.8	51.3	48.0	44.4	43.2	42.4
Wed-06/14/23	4:00:00 PM	55.7	77.9	63.7	54.9	51.5	49.4	47.2	45.7	44.2
Wed-06/14/23	5:00:00 PM	56.8	76.8	67.5	56.9	52.0	50.1	48.1	46.9	46.0
Wed-06/14/23	6:00:00 PM	50.0	70.9	56.7	51.4	49.2	47.9	46.4	45.3	44.6
Wed-06/14/23	7:00:00 PM	50.6	69.6	53.9	51.7	50.5	49.4	47.7	46.7	45.7
Wed-06/14/23	8:00:00 PM	53.1	65.9	56.9	54.9	53.8	52.6	50.3	48.5	47.5
Wed-06/14/23	9:00:00 PM	56.2	64.8	58.8	57.5	56.7	56.0	54.5	53.2	51.6
Wed-06/14/23	10:00:00 PM	56.0	60.3	58.5	57.5	56.7	56.0	53.6	51.7	50.1

Noise Measurement Data, dBA - LT-1, On tree, northwest of site (38.395997°, -121.909916°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Wed-06/14/23	11:00:00 PM	53.8	64.0	57.4	55.6	54.6	53.5	50.9	48.6	47.0
Thu-06/15/23	12:00:00 AM	52.0	62.6	55.3	53.8	52.7	51.4	49.4	48.3	47.3
Thu-06/15/23	1:00:00 AM	51.8	58.1	54.5	53.4	52.4	51.5	49.9	48.7	47.5
Thu-06/15/23	2:00:00 AM	51.5	59.2	54.4	52.9	51.9	51.2	49.8	48.2	47.4
Thu-06/15/23	3:00:00 AM	51.7	56.3	54.3	53.2	52.4	51.4	49.8	49.0	47.8
Thu-06/15/23	4:00:00 AM	53.8	66.1	59.0	56.3	54.6	52.9	49.3	48.6	47.6
Thu-06/15/23	5:00:00 AM	58.6	69.4	66.2	61.2	58.1	56.5	54.6	53.4	52.6
Thu-06/15/23	6:00:00 AM	55.4	67.1	58.5	57.2	56.4	55.4	50.8	48.4	47.7
Thu-06/15/23	7:00:00 AM	49.3	72.6	55.2	50.2	48.2	46.7	45.4	44.9	44.4
Thu-06/15/23	8:00:00 AM	48.8	67.1	55.8	50.5	48.2	46.4	44.6	44.1	43.8
Thu-06/15/23	9:00:00 AM	48.6	67.9	55.4	49.5	47.0	45.6	44.3	43.6	43.1
Thu-06/15/23	10:00:00 AM	49.1	68.1	57.2	50.9	47.0	44.6	43.2	42.6	42.4
Thu-06/15/23	11:00:00 AM	47.6	64.9	53.8	49.4	47.0	45.1	43.7	43.1	42.4
Thu-06/15/23	12:00:00 PM	47.6	65.4	54.3	49.5	47.1	45.4	43.4	42.5	42.2
Thu-06/15/23	1:00:00 PM	49.2	65.9	55.8	51.7	49.2	47.2	44.7	43.4	42.7
Thu-06/15/23	2:00:00 PM	47.5	60.9	54.2	50.5	47.6	45.5	43.2	42.3	41.8
Thu-06/15/23	3:00:00 PM	52.1	74.7	62.5	52.7	48.7	45.5	42.9	42.0	41.8
Thu-06/15/23	4:00:00 PM	47.9	64.2	54.9	50.3	47.3	45.2	43.5	42.7	42.4
Thu-06/15/23	5:00:00 PM	48.8	67.3	55.2	49.4	47.8	46.8	45.4	44.3	43.4
Thu-06/15/23	6:00:00 PM	49.2	69.0	54.4	50.3	48.4	47.3	45.8	44.5	43.8
Thu-06/15/23	7:00:00 PM	50.1	70.6	54.1	51.5	50.3	49.2	47.2	45.7	45.0
Thu-06/15/23	8:00:00 PM	54.4	61.2	59.3	57.2	55.5	53.3	50.3	49.3	48.6
Thu-06/15/23	9:00:00 PM	58.3	63.7	61.2	59.9	59.2	58.1	55.9	54.6	53.5
Thu-06/15/23	10:00:00 PM	58.4	67.8	61.0	59.7	58.9	58.1	56.4	55.1	54.3
Thu-06/15/23	11:00:00 PM	57.1	72.2	60.8	58.3	57.3	56.5	54.9	54.0	53.1
Fri-06/16/23	12:00:00 AM	56.4	66.2	60.2	57.8	56.9	55.8	54.1	52.9	51.5
Fri-06/16/23	1:00:00 AM	56.4	75.1	60.0	57.6	56.5	55.3	53.0	50.9	49.9
Fri-06/16/23	2:00:00 AM	55.6	67.8	58.9	57.3	56.2	55.0	53.0	51.6	50.6
Fri-06/16/23	3:00:00 AM	55.5	63.4	58.3	57.0	56.1	55.2	53.7	52.2	50.7
Fri-06/16/23	4:00:00 AM	56.4	64.7	59.1	57.9	57.0	56.1	54.5	53.2	52.1
Fri-06/16/23	5:00:00 AM	56.7	69.8	59.5	58.0	57.2	56.3	54.6	53.4	52.1
Fri-06/16/23	6:00:00 AM	57.5	67.7	59.7	58.7	58.0	57.3	56.0	54.8	54.0
Fri-06/16/23	7:00:00 AM	53.9	68.9	57.1	56.0	55.0	53.6	50.2	49.0	48.4

Noise Measurement Data, dBA - LT-1, On tree, northwest of site (38.395997°, -121.909916°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Fri-06/16/23	8:00:00 AM	52.0	68.1	58.4	53.9	51.6	50.4	48.6	47.1	46.4

Title: Table 2. Corby BESS - Long-Term Noise Measurement Analysis.
Site ID: LT-2
Location: Telephone Pole, south of Project site (38.387986°, -121.907481°)
Start Date: 6/13/2023
End Date: 6/16/2023

		Noise Data Calculations, dBA								
Time of Day	**Value**	**Leq**	**Lmax**	**L02**	**L10**	**L25**	**L50**	**L90**	**L99**	**Lmin**
Day (7 A.M. - 7 P.M.)	**Min**	46.0	62.0	51.0	47.3	45.3	43.2	41.1	40.4	40.1
	Max	69.4	84.9	78.8	73.0	68.2	61.9	54.7	53.3	52.5
	Avg.	57.2	-	59.4	53.7	50.6	48.1	45.4	44.3	-
Eve (7 P.M. - 10 P.M.)	**Min**	50.0	58.3	55.9	50.9	48.7	47.5	45.9	44.9	43.8
	Max	58.4	72.4	61.5	60.1	59.3	58.1	55.4	54.0	53.3
	Avg.	55.1	-	58.3	55.8	54.5	53.2	50.8	49.4	-
Night (10 P.M. - 7 A.M.)	**Min**	49.9	58.1	54.3	51.0	50.2	49.3	47.8	46.5	44.6
	Max	61.3	79.8	65.1	62.8	62.0	61.1	59.4	58.4	57.7
	Avg.	56.5	-	59.4	57.4	56.2	54.9	52.6	51.1	-
Day (7 A.M. - 10 P.M.)	**Min**	46.0	58.3	51.0	47.3	45.3	43.2	41.1	40.4	40.1
	Max	69.4	84.9	78.8	73.0	68.2	61.9	55.4	54.0	53.3
	Avg.	56.8	-	59.2	54.2	51.5	49.2	46.6	45.4	-
Night (10 P.M. - 7 A.M.)	**Min**	49.9	58.1	54.3	51.0	50.2	49.3	47.8	46.5	44.6
	Max	61.3	79.8	65.1	62.8	62.0	61.1	59.4	58.4	57.7
	Avg.	56.5	-	59.4	57.4	56.2	54.9	52.6	51.1	-

Time of Week	**Value**	**CNEL, dBA**	**Ldn, dBA**
Weekday Only	**Min**	61.7	61.4
	Max	64.2	64.1
	Avg.	62.8	62.6
Weekend Only	**Min**	N/A	N/A
	Max	N/A	N/A
	Avg.	N/A	N/A
Full Week	**Min**	61.7	61.4
	Max	64.2	64.1
	Avg.	62.8	62.6

Noise Measurement Data, dBA - LT-2, Telephone Pole, south of Project site (38.387986°, -121.907481°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Tue-06/13/23	2:00:00 PM	50.7	69.4	59.3	53.2	49.5	46.4	43.4	42.5	42.1
Tue-06/13/23	3:00:00 PM	51.1	68.6	59.5	53.8	50.2	47.1	43.9	42.7	42.1
Tue-06/13/23	4:00:00 PM	53.2	70.7	63.4	54.7	50.9	47.9	44.4	43.2	42.0
Tue-06/13/23	5:00:00 PM	54.7	75.0	64.1	56.9	52.3	49.0	46.1	45.2	44.6
Tue-06/13/23	6:00:00 PM	51.4	74.1	59.4	53.3	49.9	47.9	46.0	44.9	44.3
Tue-06/13/23	7:00:00 PM	50.0	67.7	56.6	50.9	48.7	47.5	46.0	45.2	44.5
Tue-06/13/23	8:00:00 PM	52.3	63.1	55.9	54.5	53.1	51.4	49.2	47.8	47.1
Tue-06/13/23	9:00:00 PM	56.2	65.7	58.9	57.8	57.0	55.8	54.0	52.7	51.4
Tue-06/13/23	10:00:00 PM	57.3	61.0	58.8	58.2	57.8	57.3	56.1	54.4	52.6
Tue-06/13/23	11:00:00 PM	57.9	65.8	61.4	59.9	58.6	57.3	55.5	54.0	52.8
Wed-06/14/23	12:00:00 AM	56.3	66.7	60.5	58.5	57.1	55.7	53.1	51.1	48.9
Wed-06/14/23	1:00:00 AM	52.2	66.7	56.1	53.9	52.7	51.4	49.3	46.8	44.6
Wed-06/14/23	2:00:00 AM	53.1	64.8	57.0	55.3	54.0	52.3	50.0	48.5	47.0
Wed-06/14/23	3:00:00 AM	54.7	69.0	58.4	56.6	55.5	54.1	51.2	49.5	47.3
Wed-06/14/23	4:00:00 AM	57.4	63.8	61.3	60.0	58.2	56.9	53.8	52.0	50.9
Wed-06/14/23	5:00:00 AM	57.0	75.3	59.5	58.1	57.2	56.3	54.6	53.6	52.5
Wed-06/14/23	6:00:00 AM	58.5	79.8	62.7	59.2	57.9	56.5	52.5	50.4	49.3
Wed-06/14/23	7:00:00 AM	52.7	71.9	58.6	53.5	51.8	50.1	47.5	46.1	45.6
Wed-06/14/23	8:00:00 AM	50.1	72.5	54.6	49.5	47.9	46.6	45.3	44.6	44.2
Wed-06/14/23	9:00:00 AM	52.8	72.1	62.5	51.0	47.3	45.4	43.9	43.0	42.7
Wed-06/14/23	10:00:00 AM	46.1	66.1	51.0	47.3	45.3	44.2	43.3	42.8	42.6
Wed-06/14/23	11:00:00 AM	46.3	65.1	52.1	47.8	45.8	44.4	43.2	42.4	42.2
Wed-06/14/23	12:00:00 PM	49.0	69.3	57.1	50.4	46.8	44.2	42.4	41.8	41.6
Wed-06/14/23	1:00:00 PM	49.4	69.0	58.2	50.5	47.3	45.1	42.9	41.9	41.5
Wed-06/14/23	2:00:00 PM	49.7	73.8	55.3	51.1	48.1	44.9	41.5	40.6	40.3
Wed-06/14/23	3:00:00 PM	49.0	65.6	55.4	51.6	49.2	46.7	43.6	42.2	41.4
Wed-06/14/23	4:00:00 PM	49.2	64.8	55.2	51.8	49.4	47.3	45.0	43.6	42.4
Wed-06/14/23	5:00:00 PM	51.8	69.8	61.1	52.8	50.0	48.5	46.6	44.5	43.3
Wed-06/14/23	6:00:00 PM	49.8	65.9	57.8	51.9	48.5	46.8	45.4	44.5	43.5
Wed-06/14/23	7:00:00 PM	52.5	67.3	57.7	54.6	53.3	51.3	47.9	46.8	46.0
Wed-06/14/23	8:00:00 PM	56.2	65.6	59.3	57.7	56.8	55.9	54.0	52.1	50.7
Wed-06/14/23	9:00:00 PM	58.4	70.1	61.5	60.1	59.3	58.1	55.1	54.0	53.3
Wed-06/14/23	10:00:00 PM	57.1	63.4	59.7	58.5	57.7	56.9	55.4	53.9	53.2

Noise Measurement Data, dBA - LT-2, Telephone Pole, south of Project site (38.387986°, -121.907481°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Wed-06/14/23	11:00:00 PM	55.4	70.3	58.2	57.0	56.1	55.1	52.7	51.3	49.9
Thu-06/15/23	12:00:00 AM	53.7	63.0	57.8	55.6	54.3	53.1	50.7	49.3	48.1
Thu-06/15/23	1:00:00 AM	52.1	58.4	56.1	54.7	53.1	51.3	49.0	47.7	46.5
Thu-06/15/23	2:00:00 AM	49.9	61.4	54.3	51.0	50.2	49.3	47.8	46.5	45.2
Thu-06/15/23	3:00:00 AM	52.4	58.1	56.6	55.1	53.5	51.5	48.7	46.8	45.9
Thu-06/15/23	4:00:00 AM	54.9	72.3	59.5	57.5	55.8	54.2	48.2	47.1	46.6
Thu-06/15/23	5:00:00 AM	58.3	69.6	62.7	60.7	59.1	57.4	55.1	52.1	51.1
Thu-06/15/23	6:00:00 AM	59.0	72.9	65.1	60.5	59.3	57.8	54.7	53.1	51.9
Thu-06/15/23	7:00:00 AM	52.8	71.3	59.6	52.7	51.1	49.9	48.4	47.5	47.1
Thu-06/15/23	8:00:00 AM	54.4	75.1	63.1	53.7	50.7	48.9	47.4	46.6	46.0
Thu-06/15/23	9:00:00 AM	48.0	66.8	54.1	49.8	47.8	46.6	44.7	44.1	43.6
Thu-06/15/23	10:00:00 AM	56.0	74.3	66.0	60.5	52.3	46.2	43.4	43.0	42.8
Thu-06/15/23	11:00:00 AM	69.4	84.9	78.8	73.0	68.2	61.9	52.6	47.4	46.6
Thu-06/15/23	12:00:00 PM	61.8	75.3	69.3	65.8	62.0	58.5	52.5	50.5	49.2
Thu-06/15/23	1:00:00 PM	54.2	65.1	60.0	56.9	55.1	52.8	49.3	47.0	44.5
Thu-06/15/23	2:00:00 PM	50.1	69.0	56.7	52.8	49.9	45.4	41.4	40.8	40.5
Thu-06/15/23	3:00:00 PM	46.0	64.6	52.7	48.9	45.9	43.2	41.1	40.4	40.1
Thu-06/15/23	4:00:00 PM	46.5	62.0	52.7	49.2	46.8	44.2	41.9	41.1	40.7
Thu-06/15/23	5:00:00 PM	50.4	68.6	60.2	50.6	47.3	44.4	42.2	41.5	41.0
Thu-06/15/23	6:00:00 PM	48.3	70.2	53.0	48.3	45.8	44.4	42.6	41.7	41.3
Thu-06/15/23	7:00:00 PM	51.7	72.4	58.2	52.4	50.1	48.1	45.9	44.9	43.8
Thu-06/15/23	8:00:00 PM	53.2	58.3	56.3	55.2	54.2	53.1	49.3	47.7	46.8
Thu-06/15/23	9:00:00 PM	57.6	61.4	60.0	59.1	58.4	57.5	55.4	53.6	53.0
Thu-06/15/23	10:00:00 PM	56.0	62.8	58.7	57.6	56.6	55.6	54.2	53.4	52.7
Thu-06/15/23	11:00:00 PM	55.3	66.6	59.6	56.6	55.6	54.8	52.8	51.1	50.1
Fri-06/16/23	12:00:00 AM	54.1	71.8	59.7	55.2	54.0	53.0	51.1	50.1	48.7
Fri-06/16/23	1:00:00 AM	53.9	71.6	59.2	54.8	53.6	52.4	50.5	49.2	47.8
Fri-06/16/23	2:00:00 AM	52.3	63.0	55.7	54.2	53.0	51.7	49.9	48.6	47.1
Fri-06/16/23	3:00:00 AM	53.9	58.7	56.6	55.5	54.7	53.7	51.5	50.3	49.0
Fri-06/16/23	4:00:00 AM	57.6	72.0	61.9	59.7	58.1	56.6	54.1	53.0	52.1
Fri-06/16/23	5:00:00 AM	60.4	74.1	63.2	61.8	60.7	59.8	58.2	56.8	56.1
Fri-06/16/23	6:00:00 AM	61.3	70.3	63.8	62.8	62.0	61.1	59.4	58.4	57.7
Fri-06/16/23	7:00:00 AM	62.8	79.8	70.8	65.3	62.4	58.9	54.7	53.3	52.5

Noise Measurement Data, dBA - LT-2, Telephone Pole, south of Project site (38.387986°, -121.907481°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Fri-06/16/23	8:00:00 AM	55.5	74.5	60.4	56.0	54.4	53.3	51.8	50.9	50.2

Title: Table 3. Corby BESS - Long-Term Noise Measurement Analysis.
Site ID: LT-3
Location: Telephone Pole, northwest of Project site (38.395410°, -121.912033°)
Start Date: 6/13/2023
End Date: 6/16/2023

		Noise Data Calculations, dBA								
Time of Day	**Value**	**Leq**	**Lmax**	**L02**	**L10**	**L25**	**L50**	**L90**	**L99**	**Lmin**
Day (7 A.M. - 7 P.M.)	**Min**	55.9	78.0	63.2	50.0	46.6	43.3	41.9	41.5	41.1
	Max	65.1	93.6	74.3	60.7	57.0	55.3	53.2	51.5	50.9
	Avg.	61.0	-	69.8	55.8	49.6	47.7	46.0	45.1	-
Eve (7 P.M. - 10 P.M.)	**Min**	56.8	76.0	62.8	52.9	51.8	50.9	48.6	47.1	46.4
	Max	61.9	85.4	67.6	63.7	62.6	61.2	58.9	57.4	55.6
	Avg.	59.4	-	64.9	58.3	56.8	55.2	52.7	51.0	-
Night (10 P.M. - 7 A.M.)	**Min**	51.1	58.7	54.6	53.0	51.7	50.6	48.6	46.2	44.6
	Max	63.2	89.3	69.4	64.6	63.1	61.7	59.5	57.9	57.0
	Avg.	59.1	-	62.3	59.8	58.1	56.5	53.2	51.2	-
Day (7 A.M. - 10 P.M.)	**Min**	55.9	76.0	62.8	50.0	46.6	43.3	41.9	41.5	41.1
	Max	65.1	93.6	74.3	63.7	62.6	61.2	58.9	57.4	55.6
	Avg.	60.7	-	68.7	56.4	51.2	49.4	47.5	46.4	-
Night (10 P.M. - 7 A.M.)	**Min**	51.1	58.7	54.6	53.0	51.7	50.6	48.6	46.2	44.6
	Max	63.2	89.3	69.4	64.6	63.1	61.7	59.5	57.9	57.0
	Avg.	59.1	-	62.3	59.8	58.1	56.5	53.2	51.2	-

Time of Week	**Value**	**CNEL, dBA**	**Ldn, dBA**
Weekday Only	**Min**	64.6	64.3
	Max	67.8	67.6
	Avg.	65.7	65.4
Weekend Only	**Min**	N/A	N/A
	Max	N/A	N/A
	Avg.	N/A	N/A
Full Week	**Min**	64.6	64.3
	Max	67.8	67.6
	Avg.	65.7	65.4

Noise Measurement Data, dBA - LT-3, Telephone Pole, northwest of Project site (38.395410°, -121.912033°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Tue-06/13/23	2:00:00 PM	60.3	81.6	71.6	57.7	50.4	47.3	45.1	44.0	43.6
Tue-06/13/23	3:00:00 PM	63.9	90.6	74.3	60.7	51.1	48.2	46.2	45.1	44.3
Tue-06/13/23	4:00:00 PM	62.1	85.6	73.0	58.5	53.6	51.7	49.4	48.3	47.1
Tue-06/13/23	5:00:00 PM	59.3	80.5	69.0	56.9	54.5	53.0	51.1	49.6	48.5
Tue-06/13/23	6:00:00 PM	60.7	84.4	70.8	57.0	53.3	52.0	50.2	48.9	48.1
Tue-06/13/23	7:00:00 PM	58.5	80.7	67.2	55.3	53.6	52.1	50.1	48.9	48.2
Tue-06/13/23	8:00:00 PM	58.3	81.6	63.5	57.5	56.1	54.7	51.7	50.5	49.8
Tue-06/13/23	9:00:00 PM	58.0	76.0	62.8	58.8	57.4	56.2	54.1	51.5	49.4
Tue-06/13/23	10:00:00 PM	58.7	84.0	62.4	59.5	57.6	55.4	52.5	50.8	49.5
Tue-06/13/23	11:00:00 PM	56.1	83.3	57.7	55.0	53.9	52.9	51.1	49.8	48.7
Wed-06/14/23	12:00:00 AM	53.3	62.2	58.6	55.9	53.9	52.3	50.0	48.0	46.4
Wed-06/14/23	1:00:00 AM	55.3	67.8	60.5	58.3	56.2	54.0	49.8	47.0	45.5
Wed-06/14/23	2:00:00 AM	54.0	64.8	60.1	57.2	54.7	52.1	48.6	46.2	44.6
Wed-06/14/23	3:00:00 AM	53.1	62.5	58.2	55.5	53.7	51.9	49.4	47.5	45.5
Wed-06/14/23	4:00:00 AM	56.0	76.5	61.2	58.7	55.6	53.4	50.2	48.4	47.5
Wed-06/14/23	5:00:00 AM	59.8	76.9	64.3	62.2	60.8	59.1	51.9	50.8	49.7
Wed-06/14/23	6:00:00 AM	59.7	80.1	64.8	60.8	59.5	57.9	50.9	49.4	48.8
Wed-06/14/23	7:00:00 AM	58.5	83.2	64.5	52.0	50.6	49.6	48.3	47.6	46.6
Wed-06/14/23	8:00:00 AM	61.3	84.6	71.8	57.3	48.3	47.1	45.6	44.8	44.4
Wed-06/14/23	9:00:00 AM	63.6	93.4	72.3	57.9	46.9	45.0	43.9	43.5	43.3
Wed-06/14/23	10:00:00 AM	62.9	92.2	71.9	56.9	46.7	45.2	44.2	43.7	43.1
Wed-06/14/23	11:00:00 AM	61.4	85.7	71.5	55.0	46.8	45.3	44.1	43.5	43.0
Wed-06/14/23	12:00:00 PM	63.3	88.8	73.4	57.6	47.6	45.1	43.6	43.0	42.6
Wed-06/14/23	1:00:00 PM	60.4	83.7	71.0	54.1	46.7	44.8	43.5	42.9	42.6
Wed-06/14/23	2:00:00 PM	65.1	93.6	73.4	59.0	47.1	44.3	42.7	42.1	41.9
Wed-06/14/23	3:00:00 PM	60.0	82.5	71.5	54.2	47.0	45.1	43.6	42.8	42.1
Wed-06/14/23	4:00:00 PM	62.5	89.2	72.5	55.4	49.7	48.5	46.7	44.7	44.1
Wed-06/14/23	5:00:00 PM	57.5	79.4	66.1	53.3	51.9	50.8	49.0	48.0	47.0
Wed-06/14/23	6:00:00 PM	59.5	84.9	68.4	57.1	51.5	49.8	47.8	46.8	46.4
Wed-06/14/23	7:00:00 PM	56.8	82.7	63.5	52.9	51.8	50.9	49.3	47.8	46.8
Wed-06/14/23	8:00:00 PM	60.2	85.4	67.6	58.6	56.6	54.9	51.7	49.8	48.9
Wed-06/14/23	9:00:00 PM	60.5	84.3	63.9	61.0	59.7	58.3	56.2	54.3	52.8
Wed-06/14/23	10:00:00 PM	58.3	78.2	62.6	60.2	58.6	56.9	54.0	52.3	50.7

Noise Measurement Data, dBA - LT-3, Telephone Pole, northwest of Project site (38.395410°, -121.912033°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Wed-06/14/23	11:00:00 PM	56.9	77.3	61.4	59.2	57.5	55.6	52.5	50.5	49.0
Thu-06/15/23	12:00:00 AM	55.9	64.8	60.6	58.6	57.0	55.0	51.4	48.6	47.5
Thu-06/15/23	1:00:00 AM	54.8	63.0	59.6	57.5	55.8	54.0	50.7	48.3	47.0
Thu-06/15/23	2:00:00 AM	51.1	58.7	54.6	53.0	51.7	50.6	48.6	47.2	46.0
Thu-06/15/23	3:00:00 AM	54.5	76.5	57.7	55.8	54.4	52.6	49.7	48.4	47.7
Thu-06/15/23	4:00:00 AM	57.1	78.8	63.1	59.7	57.4	55.1	49.1	47.9	47.1
Thu-06/15/23	5:00:00 AM	62.4	73.1	69.4	64.6	62.6	60.8	58.3	56.8	54.9
Thu-06/15/23	6:00:00 AM	61.1	81.6	64.3	62.0	60.8	59.4	53.6	51.5	50.4
Thu-06/15/23	7:00:00 AM	56.5	81.3	63.8	52.6	50.9	48.9	46.9	46.1	45.6
Thu-06/15/23	8:00:00 AM	61.1	87.9	70.6	55.3	48.6	47.2	46.0	45.5	44.9
Thu-06/15/23	9:00:00 AM	55.9	78.0	64.6	54.3	49.4	47.2	45.5	44.6	44.2
Thu-06/15/23	10:00:00 AM	58.9	83.3	69.1	55.4	48.8	46.1	44.4	43.6	43.2
Thu-06/15/23	11:00:00 AM	58.1	84.5	68.1	50.0	46.8	45.6	43.9	43.2	42.9
Thu-06/15/23	12:00:00 PM	58.7	85.5	67.2	50.6	46.6	45.4	44.0	43.4	43.1
Thu-06/15/23	1:00:00 PM	60.6	88.6	69.1	51.7	47.5	46.1	44.3	43.4	42.8
Thu-06/15/23	2:00:00 PM	62.0	82.3	73.8	60.1	48.0	44.5	42.6	42.0	41.5
Thu-06/15/23	3:00:00 PM	63.2	90.1	74.3	60.5	47.0	43.3	41.9	41.5	41.1
Thu-06/15/23	4:00:00 PM	61.4	83.2	73.0	60.2	49.1	45.8	43.3	42.4	41.9
Thu-06/15/23	5:00:00 PM	57.9	80.1	68.3	52.5	49.9	48.6	47.0	45.7	45.0
Thu-06/15/23	6:00:00 PM	55.9	78.9	63.2	52.4	50.5	49.4	47.6	46.4	45.7
Thu-06/15/23	7:00:00 PM	58.2	82.8	66.5	54.8	53.4	51.8	48.6	47.1	46.4
Thu-06/15/23	8:00:00 PM	59.8	80.7	64.3	62.5	59.7	57.1	53.5	52.1	51.0
Thu-06/15/23	9:00:00 PM	61.9	76.4	65.2	63.7	62.6	61.2	58.9	57.4	55.6
Thu-06/15/23	10:00:00 PM	62.5	82.6	65.8	64.1	63.0	61.7	59.5	57.7	55.6
Thu-06/15/23	11:00:00 PM	62.7	76.8	67.4	64.3	63.1	61.6	59.4	57.8	55.6
Fri-06/16/23	12:00:00 AM	63.2	89.3	64.9	62.0	60.6	59.3	56.9	54.5	52.2
Fri-06/16/23	1:00:00 AM	58.3	72.6	63.1	60.7	59.1	57.4	53.8	50.9	48.9
Fri-06/16/23	2:00:00 AM	59.7	84.4	63.3	61.0	59.3	57.7	55.0	51.9	49.6
Fri-06/16/23	3:00:00 AM	59.5	65.4	63.1	61.7	60.5	59.0	56.4	53.9	52.2
Fri-06/16/23	4:00:00 AM	59.7	79.9	63.9	61.3	59.6	58.1	55.4	53.3	51.6
Fri-06/16/23	5:00:00 AM	60.8	81.6	63.4	62.0	61.1	60.1	57.9	55.4	54.4
Fri-06/16/23	6:00:00 AM	61.7	78.1	65.1	62.8	61.7	60.7	58.8	57.9	57.0
Fri-06/16/23	7:00:00 AM	59.7	80.6	67.8	59.2	57.0	55.3	53.2	51.5	50.9

Noise Measurement Data, dBA - LT-3, Telephone Pole, northwest of Project site (38.395410°, -121.912033°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Fri-06/16/23	8:00:00 AM	58.7	83.1	65.3	54.8	52.9	51.7	50.3	49.2	48.4

Title: Table 4. Corby BESS - Long-Term Noise Measurement Analysis.
Site ID: LT-4
Location: Telephone Pole, Southeast of Project site (38.387980°, -121.906167°)
Start Date: 6/13/2023
End Date: 6/16/2023

		Noise Data Calculations, dBA								
Time of Day	**Value**	**Leq**	**Lmax**	**L02**	**L10**	**L25**	**L50**	**L90**	**L99**	**Lmin**
Day (7 A.M. - 7 P.M.)	**Min**	59.6	80.0	70.5	57.7	51.1	47.2	43.4	42.0	41.6
	Max	69.4	89.8	78.8	73.0	68.3	62.2	54.6	53.0	52.2
	Avg.	64.3	-	74.7	65.1	56.8	51.6	46.8	45.2	-
Eve (7 P.M. - 10 P.M.)	**Min**	58.7	77.4	67.8	55.8	51.0	49.0	46.9	45.8	45.2
	Max	66.7	86.0	72.0	68.8	68.0	66.8	59.6	56.1	55.0
	Avg.	63.1	-	69.7	61.1	58.7	57.1	53.0	50.7	-
Night (10 P.M. - 7 A.M.)	**Min**	51.6	61.0	55.4	53.2	51.0	49.9	47.9	46.6	45.6
	Max	68.0	94.2	78.6	69.4	68.2	66.5	58.6	57.3	56.4
	Avg.	62.2	-	65.1	61.3	59.0	56.8	53.0	51.4	-
Day (7 A.M. - 10 P.M.)	**Min**	58.7	77.4	67.8	55.8	51.0	47.2	43.4	42.0	41.6
	Max	69.4	89.8	78.8	73.0	68.3	66.8	59.6	56.1	55.0
	Avg.	64.1	-	73.5	64.2	57.2	52.8	48.2	46.5	-
Night (10 P.M. - 7 A.M.)	**Min**	51.6	61.0	55.4	53.2	51.0	49.9	47.9	46.6	45.6
	Max	68.0	94.2	78.6	69.4	68.2	66.5	58.6	57.3	56.4
	Avg.	62.2	-	65.1	61.3	59.0	56.8	53.0	51.4	-

Time of Week	**Value**	**CNEL, dBA**	**Ldn, dBA**
Weekday Only	**Min**	68.7	68.4
	Max	69.6	69.3
	Avg.	69.4	69.1
Weekend Only	**Min**	N/A	N/A
	Max	N/A	N/A
	Avg.	N/A	N/A
Full Week	**Min**	68.7	68.4
	Max	69.6	69.3
	Avg.	69.4	69.1

Noise Measurement Data, dBA - LT-4, Telephone Pole, Southeast of Project site (38.387980°, -121.906167°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Tue-06/13/23	2:00:00 PM	64.1	81.2	75.0	66.6	60.0	54.6	46.5	44.4	43.4
Tue-06/13/23	3:00:00 PM	65.6	89.8	75.5	68.0	60.0	53.3	45.8	43.7	42.8
Tue-06/13/23	4:00:00 PM	64.7	81.1	75.3	68.9	59.7	53.0	46.6	44.6	43.5
Tue-06/13/23	5:00:00 PM	63.4	81.6	74.6	65.1	58.1	52.6	47.6	46.3	45.4
Tue-06/13/23	6:00:00 PM	59.8	82.3	70.5	58.9	54.1	50.5	47.5	46.5	45.9
Tue-06/13/23	7:00:00 PM	58.7	79.7	70.1	55.8	51.0	49.0	46.9	46.0	45.5
Tue-06/13/23	8:00:00 PM	60.7	86.0	69.5	58.8	55.7	53.9	50.7	49.3	48.0
Tue-06/13/23	9:00:00 PM	66.7	79.8	69.7	68.8	68.0	66.8	59.5	54.6	53.3
Tue-06/13/23	10:00:00 PM	66.5	79.8	70.3	69.0	68.2	66.5	57.3	53.9	52.9
Tue-06/13/23	11:00:00 PM	63.8	80.6	68.6	67.4	65.7	61.0	56.3	54.2	53.0
Wed-06/14/23	12:00:00 AM	60.0	81.6	66.6	62.2	59.5	57.6	54.1	52.3	49.8
Wed-06/14/23	1:00:00 AM	56.2	69.4	61.1	59.7	57.8	54.0	50.4	48.1	46.0
Wed-06/14/23	2:00:00 AM	53.9	61.5	59.5	56.5	54.4	52.5	50.4	49.4	48.7
Wed-06/14/23	3:00:00 AM	55.2	77.6	58.0	56.4	55.1	53.5	50.8	49.6	48.8
Wed-06/14/23	4:00:00 AM	58.8	82.7	61.2	59.1	57.6	55.8	53.6	52.2	51.3
Wed-06/14/23	5:00:00 AM	61.0	81.0	69.5	59.2	57.5	56.3	54.7	53.8	53.1
Wed-06/14/23	6:00:00 AM	68.0	90.5	78.6	69.4	60.3	57.9	53.9	51.6	50.6
Wed-06/14/23	7:00:00 AM	65.5	83.3	76.8	67.8	55.7	51.2	47.3	45.8	45.2
Wed-06/14/23	8:00:00 AM	63.5	81.9	75.2	64.7	52.6	47.8	45.5	44.7	44.3
Wed-06/14/23	9:00:00 AM	63.3	82.9	75.2	62.6	52.0	47.3	44.8	43.8	43.4
Wed-06/14/23	10:00:00 AM	61.1	81.2	73.2	58.3	51.1	47.2	44.4	43.7	43.1
Wed-06/14/23	11:00:00 AM	59.6	81.2	70.6	57.7	52.1	47.9	44.6	43.7	43.2
Wed-06/14/23	12:00:00 PM	63.2	88.0	73.9	62.0	54.6	50.0	44.4	43.1	42.6
Wed-06/14/23	1:00:00 PM	62.2	81.9	73.1	63.9	57.6	51.9	45.6	43.7	42.7
Wed-06/14/23	2:00:00 PM	64.1	85.0	74.9	66.0	58.9	53.0	44.7	42.4	42.0
Wed-06/14/23	3:00:00 PM	64.2	81.3	74.9	67.6	59.9	52.5	44.7	43.0	41.8
Wed-06/14/23	4:00:00 PM	65.3	81.4	75.7	69.6	59.6	53.1	47.4	44.7	43.2
Wed-06/14/23	5:00:00 PM	63.0	81.2	74.1	64.2	56.7	52.4	48.9	47.0	45.7
Wed-06/14/23	6:00:00 PM	60.4	82.9	71.7	58.5	53.6	50.2	47.3	46.3	45.3
Wed-06/14/23	7:00:00 PM	59.5	81.0	68.6	57.5	55.5	53.3	49.6	48.0	46.4
Wed-06/14/23	8:00:00 PM	60.8	79.8	69.7	59.6	58.3	57.3	55.5	53.9	52.9
Wed-06/14/23	9:00:00 PM	66.5	81.3	69.1	68.3	67.7	66.8	58.8	56.1	55.0
Wed-06/14/23	10:00:00 PM	65.8	78.8	69.4	68.3	67.4	65.8	56.1	54.2	53.3

Noise Measurement Data, dBA - LT-4, Telephone Pole, Southeast of Project site (38.387980°, -121.906167°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Wed-06/14/23	11:00:00 PM	62.7	77.6	67.7	66.1	64.4	60.9	54.3	52.3	50.6
Thu-06/15/23	12:00:00 AM	60.4	77.6	66.2	63.0	61.0	59.2	53.8	51.4	49.3
Thu-06/15/23	1:00:00 AM	56.6	63.6	61.3	59.9	58.4	55.2	50.4	48.7	47.9
Thu-06/15/23	2:00:00 AM	51.6	61.0	58.1	54.6	51.0	49.9	48.3	47.1	46.0
Thu-06/15/23	3:00:00 AM	54.0	80.5	55.4	53.2	51.8	50.2	48.1	46.6	45.6
Thu-06/15/23	4:00:00 AM	56.9	82.8	58.6	56.4	55.1	53.6	47.9	47.0	46.4
Thu-06/15/23	5:00:00 AM	61.7	83.0	70.8	59.9	58.6	57.0	54.7	52.1	51.5
Thu-06/15/23	6:00:00 AM	67.6	88.8	78.2	69.0	60.7	58.4	55.3	54.1	53.3
Thu-06/15/23	7:00:00 AM	65.4	84.1	76.9	67.0	54.7	50.6	48.4	47.4	46.9
Thu-06/15/23	8:00:00 AM	64.3	82.5	75.5	67.0	57.2	50.5	47.6	46.7	46.2
Thu-06/15/23	9:00:00 AM	64.3	86.9	75.6	63.7	51.2	47.2	45.1	44.5	44.0
Thu-06/15/23	10:00:00 AM	68.9	88.0	78.8	72.3	61.8	51.5	44.4	43.5	43.1
Thu-06/15/23	11:00:00 AM	69.4	86.6	78.1	73.0	68.3	62.2	54.5	49.4	47.4
Thu-06/15/23	12:00:00 PM	65.3	86.1	75.8	66.8	60.9	57.4	52.8	50.4	49.5
Thu-06/15/23	1:00:00 PM	63.2	82.3	74.4	63.8	56.2	53.2	49.4	47.4	45.6
Thu-06/15/23	2:00:00 PM	63.3	84.7	74.6	64.5	55.7	50.0	43.4	42.0	41.6
Thu-06/15/23	3:00:00 PM	64.0	82.2	74.9	67.0	57.0	49.9	43.9	42.2	41.6
Thu-06/15/23	4:00:00 PM	63.8	80.0	74.6	68.0	56.4	49.1	43.5	42.4	42.0
Thu-06/15/23	5:00:00 PM	62.6	81.0	74.1	63.6	53.2	47.4	43.5	42.5	42.3
Thu-06/15/23	6:00:00 PM	60.5	80.1	71.9	60.9	52.9	47.3	43.7	42.7	42.4
Thu-06/15/23	7:00:00 PM	60.8	84.4	72.0	57.8	51.1	49.0	46.9	45.8	45.2
Thu-06/15/23	8:00:00 PM	59.8	82.1	70.5	56.9	54.8	53.3	49.5	48.0	47.0
Thu-06/15/23	9:00:00 PM	64.6	77.4	67.8	66.8	65.8	64.4	59.6	54.6	53.0
Thu-06/15/23	10:00:00 PM	63.8	77.4	67.6	66.4	65.2	63.4	55.3	53.8	52.9
Thu-06/15/23	11:00:00 PM	62.1	78.9	67.0	65.8	64.1	59.7	53.6	52.1	50.2
Fri-06/16/23	12:00:00 AM	59.5	86.2	65.0	63.2	57.8	53.1	50.9	49.7	48.2
Fri-06/16/23	1:00:00 AM	62.7	94.2	62.8	56.7	54.4	53.0	51.0	49.7	48.7
Fri-06/16/23	2:00:00 AM	52.2	61.2	55.5	53.9	52.8	51.7	50.0	48.8	47.7
Fri-06/16/23	3:00:00 AM	54.0	76.3	56.0	55.2	54.4	53.4	51.1	49.7	48.6
Fri-06/16/23	4:00:00 AM	59.6	83.2	63.3	59.0	57.1	55.8	53.7	52.7	51.5
Fri-06/16/23	5:00:00 AM	61.1	83.0	66.5	60.7	59.3	58.4	57.1	56.2	55.7
Fri-06/16/23	6:00:00 AM	64.5	84.1	73.9	63.8	62.5	61.0	58.6	57.3	56.4
Fri-06/16/23	7:00:00 AM	64.9	82.1	75.1	66.7	62.2	59.8	54.6	53.0	52.2

Noise Measurement Data, dBA - LT-4, Telephone Pole, Southeast of Project site (38.387980°, -121.906167°)

Date	Time	Leq	Lmax	L02	L10	L25	L50	L90	L99	Lmin
Fri-06/16/23	8:00:00 AM	62.6	81.2	73.7	63.1	57.4	54.4	51.7	50.7	49.8

Field Sheets

Meter Locations

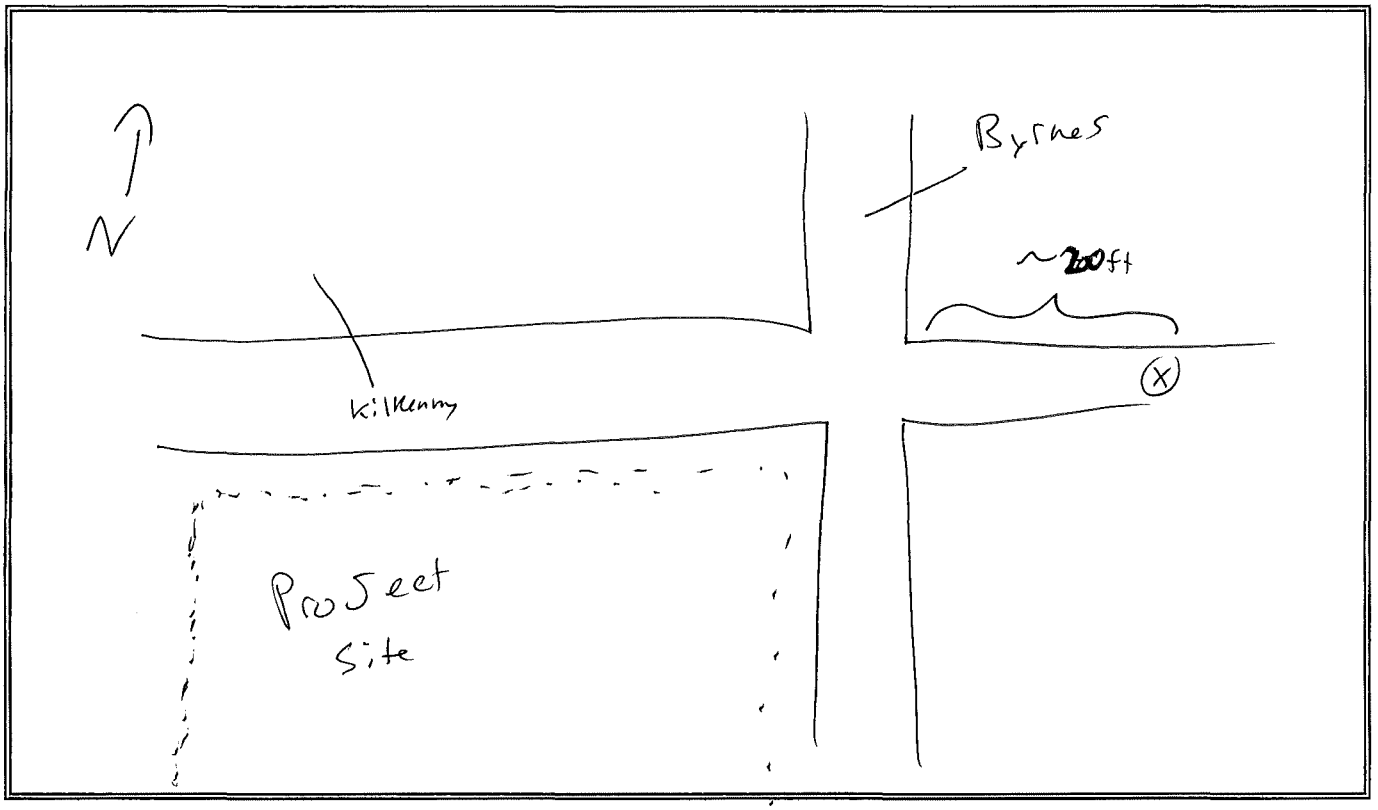
Site #	Meter #	Start Time	Start Date	Stop Time	Stop Date	Start Cal	End Cal	Lock #	Location Description
set up @ 11:00pm LT-2	D	12:45	20230613	9:15AM	20230616	15.70 mV/Pa	16.25 mV/Pa		Byrnes Road near Business 2 Lamp post west
Set up @ 1:06 pm LT-4 Bonus	J	12:48	20230613	9:20AM	20230616	16.25 mV/Pa	16.44 mV/Pa		1st Lamp post near Byrnes road
LT-1	I	1:20	20230613	9:45AM	20230616	17.02 mV/Pa	17.02 mV/Pa		dirt road off 6/Kenny 2nd tree down dirt road
LT-3A	A	1:40	20230613	10:05AM	20230616	13.36 mV/Pa	12.91 mV/Pa		3rd Lamp post down from LT-1 Road in front of residence

NOISE MEASUREMENT SITE INFORMATION SHEET

Jones & Stokes

PROJECT NAME: Corby Bass
PROJECT #:
SITE NUMBER: ST-1
DATE/TIME: 2023 06 13 2:11 PS
LOCATION/ADDRESS: Byrnes / kilkenny intersection
ENGINEERS: Schumacher N

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

81.0 3.5 clear skies 53.4%

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

831 / Cal200 / PRM: 0.0 dB PRG0 0.01 dB

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

NOISE MEASUREMENT LOG SHEET (20)

Jones & Stokes

PROJECT NAME: Corby Basin PROJECT #:

SITE NUMBER: ST-1 DATE/TIME: 2023 0613 2:11

LOCATION/ADDRESS: east of Byrnes/Kilkenny Roads ENGINEERS: Schumacher

#	Minute Starting	Measured Leq (dBA)	O or X	Autos	Medium Trucks	Heavy Trucks	Other Noise Sources/Comments (include SLM equipment, Calibration Data)
1	2:11						Trees rustling in wind.
2	12						
3	13						
4	14						
5	15						car on Byrnes
6	16						car on Byrnes
7	17						
8	18						
9	19						2 cars on Byrne
10	20						car on Byrne 2nd car on Byrne low wind @ 9:45
11	21						
12	22						car on Byrne ↓
13	23						
14	24						car on Byrne
15	25						car on Byrne 2nd car on Byrne 3rd car
16	26						
17	27						noise sources throughout measurement: Leaves rustling.
18	28						
19	29						Tire noise preceding passby
20	30						

Leq	52.4
Lmax	61.0
Lmin	44.1
L10	54.9
L33	52.8
L50	51.8
L90	47.8

Overall Leq (Include "O" minutes, Exclude "X" minutes) = dBA

Subset Leq (Exclude "O" and "X" minutes) = dBA

Data.07s

"O" = other characteristic sources that contributed to the Leq

"X" = exclude from Leq calculation; a non-typical source contaminated the measurement

NOISE MEASUREMENT SITE INFORMATION SHEET

Jones & Stokes

PROJECT NAME: Corby BESS

PROJECT #:

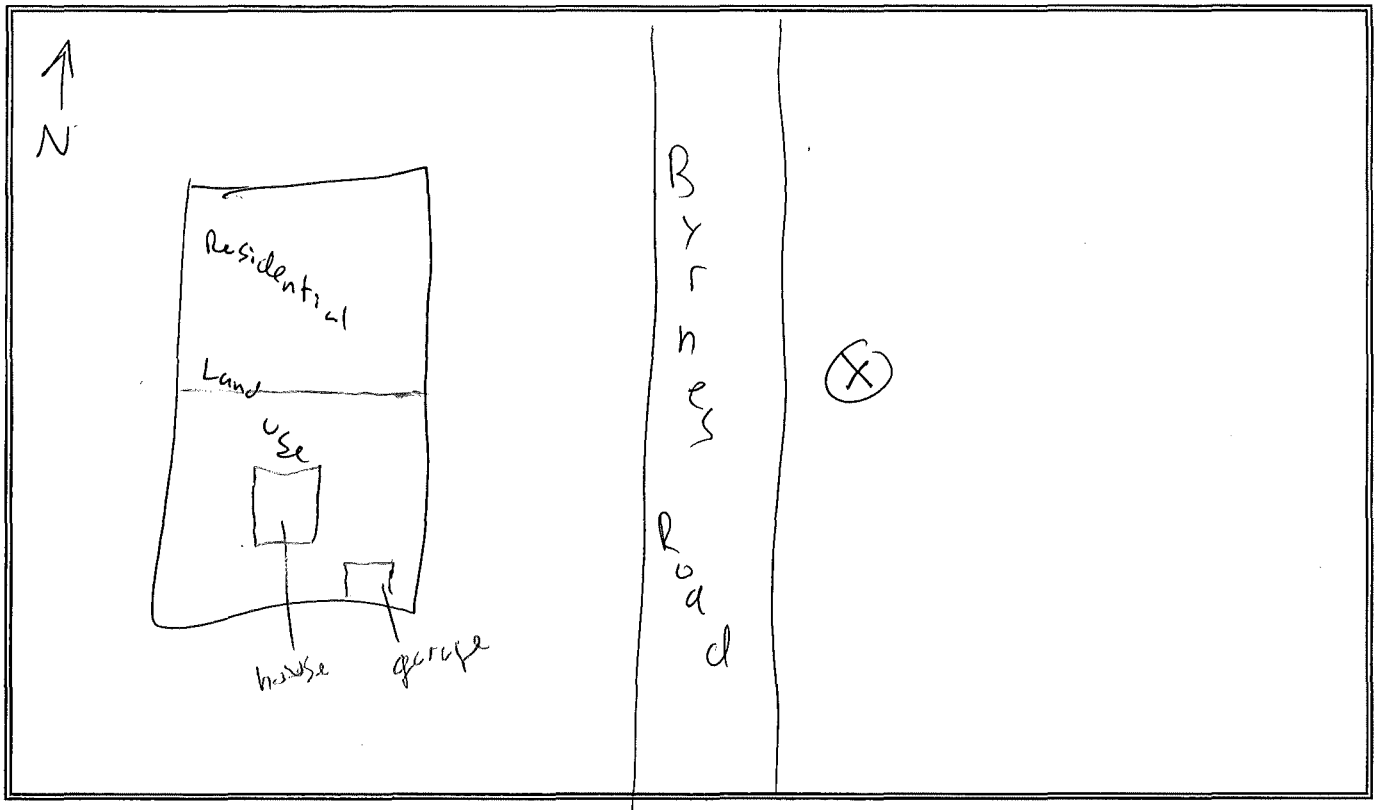
SITE NUMBER: ST-2

DATE/TIME: 2023 OCT 13

LOCATION/ADDRESS:

ENGINEERS:

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

81.5 | 6.5 | Clear | 52.4

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

831 | Cal200 | Pre: +0.00dB | Post: -0.03dB

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

NOISE MEASUREMENT LOG SHEET (20)

Jones & Stokes

PROJECT NAME: Corby BESS

PROJECT #:

SITE NUMBER: ST-2

DATE/TIME: 2:41 20230613

LOCATION/ADDRESS:

ENGINEERS: Schumacher M.

#	Minute Starting	Measured Leq (dBA)	O or X	Autos	Medium Trucks	Heavy Trucks	Other Noise Sources/Comments (include SLM equipment, Calibration Data)
1	41						Prop Plane overhead (distant) car pass by
2	42						Tire noise - Truck with rattling trailer; distant motorcycle; car pass by
3	43						
4	44						
5	45						car passby on Byrne
6	46						S/T Tire noise dissipated
7	47						car passby. 2nd car pass by
8	48						
9	49						homeowner moving stuff outside ↳ gate opening
10	50						2 cars pass by ↳ one with trailer; Prop plane
11	51						truck and car passby; 2nd car passby; dog barking; 3 more cars
12	52						Jeep passby; car passby; Truck with Trailer
13	53						car passby
14	54						car pass by; guy loading Hay bales on tractor/loader? ↳ fork lift
15	55				car		2 car Pass by. Tractor pass by
16							
17							
18							
19							
20							

noise sources throughout: Birds, distant farm animals

Leq	65.2
Lmax	85.4
Lmin	40.7
L10	66.2
L33	50.4
L50	46.3
L90	42.6

Overall Leq (Include "O" minutes, Exclude "X" minutes) = [ ] dBA

Subset Leq (Exclude "O" and "X" minutes) = [ ] dBA

Data .076

"O" = other characteristic sources that contributed to the Leq

"X" = exclude from Leq calculation; a non-typical source contaminated the measurement

Field Photographs

Noise Measurement Photographs

LT-1 Looking North

LT-1 Looking East

LT-1 Looking East, view 2

Noise Measurement Photographs

LT-2 Looking Northeast

LT-2 Looking East

LT-2 Looking West

LT-2 Looking South

Noise Measurement Photographs

LT-3 Looking North

LT-3 Looking East

LT-3 Looking West

LT-3 Looking South

Noise Measurement Photographs

LT-4 Looking North

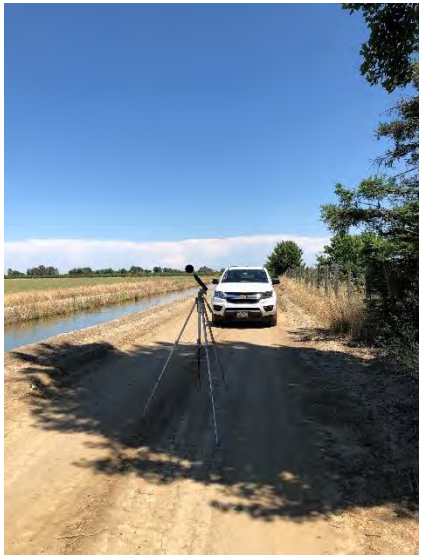
LT-4 Looking East

LT-4 Looking West

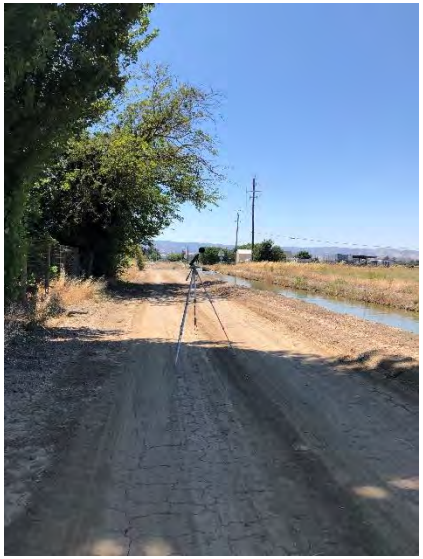
LT-4 Looking South

Noise Measurement Photographs

ST-1 Looking Northwest



ST-1 Looking East



ST-1 Looking West

ST-1 Looking South

Noise Measurement Photographs

ST-2 Looking North

ST-2 Looking East

ST-2 Looking West

ST-2 Looking South

Weather Data

6/13/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
1:59 PM	78.1 °F	58.5 °F	51 %	SE	1.3 mph	2.9 mph	29.94 in	0.00 in	0.00 in	9	959 w/m²
2:04 PM	77.9 °F	58.8 °F	52 %	South	8.5 mph	13.6 mph	29.93 in	0.00 in	0.00 in	9	957 w/m²
2:09 PM	77.5 °F	57.9 °F	51 %	SE	2.5 mph	5.6 mph	29.93 in	0.00 in	0.00 in	8	954 w/m²
2:14 PM	77.7 °F	58.1 °F	51 %	SSE	4.7 mph	9.6 mph	29.93 in	0.00 in	0.00 in	8	947 w/m²
2:19 PM	77.9 °F	58.3 °F	51 %	SSE	4.5 mph	10.3 mph	29.93 in	0.00 in	0.00 in	8	942 w/m²
2:24 PM	77.5 °F	59.0 °F	53 %	SSE	2.7 mph	8.9 mph	29.93 in	0.00 in	0.00 in	8	938 w/m²
2:29 PM	77.4 °F	58.3 °F	52 %	SSE	3.1 mph	14.1 mph	29.93 in	0.00 in	0.00 in	8	933 w/m²
2:34 PM	77.5 °F	58.5 °F	52 %	SSE	3.4 mph	9.4 mph	29.92 in	0.00 in	0.00 in	8	925 w/m²
2:39 PM	77.7 °F	58.6 °F	52 %	SSE	2.7 mph	6.9 mph	29.92 in	0.00 in	0.00 in	8	919 w/m²
2:44 PM	77.9 °F	58.8 °F	52 %	SSE	4.3 mph	12.3 mph	29.92 in	0.00 in	0.00 in	8	910 w/m²
2:49 PM	78.4 °F	58.3 °F	50 %	South	6.3 mph	14.5 mph	29.91 in	0.00 in	0.00 in	8	902 w/m²
2:54 PM	78.4 °F	58.8 °F	51 %	South	9.8 mph	15.7 mph	29.91 in	0.00 in	0.00 in	8	893 w/m²
2:59 PM	77.9 °F	58.8 °F	52 %	SSE	5.4 mph	10.1 mph	29.91 in	0.00 in	0.00 in	8	884 w/m²
3:04 PM	78.3 °F	58.6 °F	51 %	South	4.5 mph	9.4 mph	29.91 in	0.00 in	0.00 in	8	872 w/m²
3:09 PM	78.6 °F	59.0 °F	51 %	SSE	4.7 mph	13.2 mph	29.91 in	0.00 in	0.00 in	8	862 w/m²
3:14 PM	77.9 °F	59.4 °F	53 %	SSE	4.3 mph	11.6 mph	29.90 in	0.00 in	0.00 in	8	852 w/m²
3:19 PM	77.7 °F	58.1 °F	51 %	South	13.0 mph	18.6 mph	29.90 in	0.00 in	0.00 in	8	843 w/m²
3:24 PM	77.7 °F	58.6 °F	52 %	SE	1.3 mph	2.9 mph	29.90 in	0.00 in	0.00 in	8	831 w/m²
3:29 PM	78.4 °F	58.3 °F	50 %	SSE	4.0 mph	9.4 mph	29.90 in	0.00 in	0.00 in	7	820 w/m²
3:34 PM	79.0 °F	58.3 °F	49 %	South	7.2 mph	10.1 mph	29.90 in	0.00 in	0.00 in	7	808 w/m²
3:39 PM	78.8 °F	58.6 °F	50 %	South	7.4 mph	16.1 mph	29.90 in	0.00 in	0.00 in	7	795 w/m²
3:44 PM	78.4 °F	58.8 °F	51 %	South	8.3 mph	13.4 mph	29.90 in	0.00 in	0.00 in	7	791 w/m²
3:49 PM	78.8 °F	58.1 °F	49 %	South	8.5 mph	13.0 mph	29.90 in	0.00 in	0.00 in	6	714 w/m²
3:54 PM	78.6 °F	58.5 °F	50 %	South	8.5 mph	14.5 mph	29.89 in	0.00 in	0.00 in	6	663 w/m²
3:59 PM	78.6 °F	58.5 °F	50 %	South	8.1 mph	12.8 mph	29.90 in	0.00 in	0.00 in	7	733 w/m²
4:04 PM	78.6 °F	57.9 °F	49 %	SSE	6.3 mph	13.2 mph	29.90 in	0.00 in	0.00 in	5	605 w/m²
4:09 PM	78.3 °F	58.1 °F	50 %	South	10.7 mph	20.1 mph	29.90 in	0.00 in	0.00 in	6	668 w/m²
4:14 PM	77.9 °F	57.7 °F	50 %	South	11.9 mph	17.4 mph	29.90 in	0.00 in	0.00 in	6	690 w/m²
4:19 PM	78.4 °F	57.7 °F	49 %	South	6.5 mph	12.1 mph	29.90 in	0.00 in	0.00 in	6	690 w/m²
4:24 PM	79.0 °F	57.6 °F	48 %	SSE	4.0 mph	11.4 mph	29.90 in	0.00 in	0.00 in	6	676 w/m²
4:29 PM	79.2 °F	58.3 °F	49 %	South	8.1 mph	12.1 mph	29.90 in	0.00 in	0.00 in	6	662 w/m²
4:34 PM	79.2 °F	58.3 °F	49 %	South	8.7 mph	14.5 mph	29.89 in	0.00 in	0.00 in	6	651 w/m²
4:39 PM	78.8 °F	58.1 °F	49 %	South	8.7 mph	14.1 mph	29.90 in	0.00 in	0.00 in	6	627 w/m²
4:44 PM	78.8 °F	58.1 °F	49 %	South	9.4 mph	14.5 mph	29.89 in	0.00 in	0.00 in	6	618 w/m²
4:49 PM	78.6 °F	58.5 °F	50 %	South	13.6 mph	19.0 mph	29.89 in	0.00 in	0.00 in	5	596 w/m²
4:54 PM	78.8 °F	58.1 °F	49 %	South	7.6 mph	15.0 mph	29.89 in	0.00 in	0.00 in	5	591 w/m²
4:59 PM	78.8 °F	59.2 °F	51 %	SSE	6.7 mph	14.5 mph	29.89 in	0.00 in	0.00 in	5	577 w/m²
5:04 PM	78.6 °F	59.0 °F	51 %	South	9.6 mph	13.6 mph	29.89 in	0.00 in	0.00 in	5	542 w/m²
5:09 PM	78.1 °F	58.5 °F	51 %	South	12.5 mph	20.4 mph	29.89 in	0.00 in	0.00 in	5	529 w/m²
5:14 PM	77.5 °F	58.5 °F	52 %	South	11.6 mph	19.0 mph	29.89 in	0.00 in	0.00 in	5	521 w/m²
5:19 PM	77.2 °F	58.3 °F	52 %	South	13.2 mph	18.3 mph	29.88 in	0.00 in	0.00 in	5	507 w/m²
5:24 PM	77.0 °F	58.1 °F	52 %	South	11.6 mph	20.8 mph	29.88 in	0.00 in	0.00 in	5	495 w/m²
5:29 PM	77.2 °F	57.7 °F	51 %	South	9.4 mph	14.5 mph	29.88 in	0.00 in	0.00 in	5	489 w/m²
5:34 PM	77.4 °F	57.7 °F	51 %	South	11.2 mph	15.9 mph	29.88 in	0.00 in	0.00 in	5	499 w/m²
5:39 PM	77.2 °F	58.3 °F	52 %	South	10.7 mph	19.9 mph	29.88 in	0.00 in	0.00 in	4	442 w/m²
5:44 PM	76.6 °F	57.7 °F	52 %	South	7.4 mph	13.0 mph	29.87 in	0.00 in	0.00 in	4	408 w/m²
5:49 PM	76.6 °F	57.7 °F	52 %	South	14.3 mph	19.5 mph	29.87 in	0.00 in	0.00 in	4	410 w/m²
5:54 PM	76.6 °F	57.7 °F	52 %	South	7.2 mph	13.4 mph	29.87 in	0.00 in	0.00 in	3	341 w/m²
5:59 PM	76.5 °F	58.1 °F	53 %	South	8.1 mph	16.1 mph	29.87 in	0.00 in	0.00 in	3	287 w/m²
6:04 PM	76.5 °F	57.6 °F	52 %	South	9.6 mph	13.6 mph	29.87 in	0.00 in	0.00 in	3	293 w/m²
6:09 PM	76.5 °F	58.1 °F	53 %	South	8.5 mph	12.5 mph	29.87 in	0.00 in	0.00 in	3	341 w/m²
6:14 PM	76.5 °F	57.6 °F	52 %	South	10.5 mph	15.2 mph	29.87 in	0.00 in	0.00 in	3	310 w/m²
6:19 PM	76.6 °F	57.7 °F	52 %	SSE	4.7 mph	13.9 mph	29.87 in	0.00 in	0.00 in	3	312 w/m²
6:24 PM	76.8 °F	57.9 °F	52 %	South	7.8 mph	18.6 mph	29.87 in	0.00 in	0.00 in	3	283 w/m²
6:29 PM	76.6 °F	57.7 °F	52 %	SSE	4.9 mph	13.0 mph	29.87 in	0.00 in	0.00 in	3	260 w/m²
6:34 PM	76.5 °F	57.6 °F	52 %	South	6.0 mph	10.5 mph	29.87 in	0.00 in	0.00 in	2	219 w/m²

6/13/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
6:39 PM	76.5 °F	57.6 °F	52 %	SSE	4.0 mph	10.1 mph	29.88 in	0.00 in	0.00 in	2	234 w/m²
6:44 PM	76.3 °F	57.4 °F	52 %	South	6.7 mph	11.9 mph	29.88 in	0.00 in	0.00 in	2	223 w/m²
6:49 PM	76.3 °F	57.4 °F	52 %	South	10.7 mph	18.6 mph	29.87 in	0.00 in	0.00 in	2	212 w/m²
6:54 PM	76.1 °F	57.2 °F	52 %	South	9.6 mph	14.8 mph	29.88 in	0.00 in	0.00 in	2	198 w/m²
6:59 PM	75.9 °F	57.0 °F	52 %	South	9.4 mph	12.1 mph	29.88 in	0.00 in	0.00 in	2	178 w/m²
7:04 PM	75.9 °F	57.0 °F	52 %	South	9.8 mph	14.5 mph	29.88 in	0.00 in	0.00 in	2	180 w/m²
7:09 PM	75.6 °F	57.2 °F	53 %	South	8.5 mph	13.4 mph	29.88 in	0.00 in	0.00 in	2	155 w/m²
7:14 PM	75.2 °F	56.8 °F	53 %	South	9.2 mph	14.3 mph	29.88 in	0.00 in	0.00 in	1	141 w/m²
7:19 PM	75.0 °F	56.7 °F	53 %	South	9.4 mph	13.2 mph	29.88 in	0.00 in	0.00 in	2	138 w/m²
7:24 PM	74.7 °F	56.5 °F	53 %	South	8.9 mph	12.3 mph	29.88 in	0.00 in	0.00 in	1	69 w/m²
7:29 PM	74.5 °F	56.8 °F	54 %	SSE	3.1 mph	7.2 mph	29.88 in	0.00 in	0.00 in	0	59 w/m²
7:34 PM	74.3 °F	56.1 °F	53 %	South	6.3 mph	9.8 mph	29.88 in	0.00 in	0.00 in	0	50 w/m²
7:39 PM	74.1 °F	55.9 °F	53 %	SSE	7.6 mph	12.3 mph	29.88 in	0.00 in	0.00 in	0	45 w/m²
7:44 PM	73.9 °F	56.3 °F	54 %	SSE	5.8 mph	8.3 mph	29.88 in	0.00 in	0.00 in	0	41 w/m²
7:49 PM	73.8 °F	56.1 °F	54 %	SSE	4.0 mph	7.6 mph	29.88 in	0.00 in	0.00 in	0	37 w/m²
7:54 PM	73.4 °F	55.8 °F	54 %	SSE	6.5 mph	11.0 mph	29.88 in	0.00 in	0.00 in	0	33 w/m²
7:59 PM	73.0 °F	55.9 °F	55 %	SSE	3.8 mph	9.6 mph	29.88 in	0.00 in	0.00 in	0	27 w/m²
8:04 PM	72.7 °F	55.6 °F	55 %	SE	3.4 mph	8.9 mph	29.88 in	0.00 in	0.00 in	0	22 w/m²
8:09 PM	72.5 °F	55.4 °F	55 %	SE	3.4 mph	8.3 mph	29.88 in	0.00 in	0.00 in	0	19 w/m²
8:14 PM	72.5 °F	55.4 °F	55 %	South	7.2 mph	11.2 mph	29.88 in	0.00 in	0.00 in	0	16 w/m²
8:19 PM	72.3 °F	55.2 °F	55 %	SSE	5.8 mph	10.7 mph	29.88 in	0.00 in	0.00 in	0	10 w/m²
8:24 PM	72.1 °F	55.0 °F	55 %	SE	5.4 mph	9.8 mph	29.88 in	0.00 in	0.00 in	0	7 w/m²
8:29 PM	71.8 °F	54.7 °F	55 %	ESE	3.6 mph	6.7 mph	29.89 in	0.00 in	0.00 in	0	4 w/m²
8:34 PM	71.2 °F	54.7 °F	56 %	SE	5.6 mph	11.9 mph	29.89 in	0.00 in	0.00 in	0	2 w/m²
8:39 PM	70.7 °F	54.3 °F	56 %	ESE	3.4 mph	4.9 mph	29.89 in	0.00 in	0.00 in	0	1 w/m²
8:44 PM	70.3 °F	54.3 °F	57 %	ENE	3.8 mph	5.1 mph	29.89 in	0.00 in	0.00 in	0	1 w/m²
8:48 PM	70.0 °F	54.1 °F	57 %	East	2.9 mph	4.3 mph	29.88 in	0.00 in	0.00 in	0	1 w/m²
8:54 PM	69.4 °F	54.0 °F	58 %	SE	4.3 mph	7.6 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
8:59 PM	69.1 °F	53.6 °F	58 %	East	2.2 mph	3.6 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
9:04 PM	68.9 °F	54.0 °F	59 %	ESE	2.2 mph	4.7 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:09 PM	68.5 °F	54.1 °F	60 %	SE	2.5 mph	4.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:14 PM	68.2 °F	53.8 °F	60 %	ESE	2.5 mph	6.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:19 PM	67.8 °F	54.0 °F	61 %	East	2.2 mph	2.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:24 PM	67.6 °F	53.2 °F	60 %	ESE	2.9 mph	6.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:29 PM	67.6 °F	53.2 °F	60 %	SE	5.1 mph	9.2 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:34 PM	67.5 °F	53.6 °F	61 %	SE	3.4 mph	8.5 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:39 PM	67.3 °F	53.4 °F	61 %	SE	3.4 mph	7.6 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
9:44 PM	67.3 °F	53.8 °F	62 %	SE	3.6 mph	8.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:49 PM	67.1 °F	53.6 °F	62 %	SSE	5.6 mph	12.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:54 PM	66.9 °F	53.4 °F	62 %	SSE	8.1 mph	12.5 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
9:59 PM	66.7 °F	53.2 °F	62 %	ESE	1.1 mph	1.6 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
10:04 PM	66.7 °F	53.2 °F	62 %	SE	5.1 mph	8.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
10:09 PM	66.6 °F	53.1 °F	62 %	SSE	7.4 mph	13.2 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
10:14 PM	66.4 °F	53.4 °F	63 %	SE	2.9 mph	6.3 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
10:19 PM	66.2 °F	53.2 °F	63 %	SE	1.1 mph	3.4 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
10:24 PM	66.0 °F	53.1 °F	63 %	SSE	4.9 mph	8.9 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
10:29 PM	66.2 °F	53.2 °F	63 %	SE	2.7 mph	6.5 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
10:34 PM	66.2 °F	53.2 °F	63 %	SE	1.8 mph	4.5 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
10:39 PM	66.2 °F	53.2 °F	63 %	SE	3.1 mph	6.9 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
10:44 PM	66.2 °F	53.2 °F	63 %	ESE	0.9 mph	1.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
10:49 PM	65.8 °F	53.8 °F	65 %	ESE	0.9 mph	1.3 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
10:54 PM	65.1 °F	54.0 °F	67 %	ESE	0.9 mph	1.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
10:59 PM	64.6 °F	53.4 °F	67 %	ESE	0.7 mph	0.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
11:04 PM	64.2 °F	53.1 °F	67 %	ESE	0.9 mph	1.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
11:09 PM	64.0 °F	52.9 °F	67 %	ESE	0.7 mph	0.9 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
11:14 PM	63.7 °F	52.9 °F	68 %	ESE	1.1 mph	1.3 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²

6/13/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
11:19 PM	63.3 °F	53.1 °F	69 %	ESE	1.3 mph	1.6 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
11:24 PM	62.8 °F	52.9 °F	70 %	ESE	1.8 mph	1.8 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
11:29 PM	62.4 °F	52.5 °F	70 %	ESE	2.2 mph	2.2 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
11:34 PM	62.2 °F	52.7 °F	71 %	East	2.5 mph	2.7 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
11:39 PM	61.9 °F	52.3 °F	71 %	East	2.7 mph	2.7 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
11:44 PM	61.7 °F	52.5 °F	72 %	East	2.7 mph	2.7 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
11:49 PM	61.5 °F	52.3 °F	72 %	East	2.7 mph	2.9 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
11:54 PM	61.5 °F	52.3 °F	72 %	East	2.9 mph	2.9 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
11:59 PM	61.3 °F	52.2 °F	72 %	East	2.9 mph	3.1 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²

6/14/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
12:04 AM	61.2 °F	52.0 °F	72 %	East	2.9 mph	3.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:09 AM	61.2 °F	52.0 °F	72 %	East	2.9 mph	3.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:14 AM	61.0 °F	52.3 °F	73 %	East	2.7 mph	2.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:19 AM	60.8 °F	52.2 °F	73 %	East	2.2 mph	2.5 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:24 AM	60.6 °F	52.3 °F	74 %	East	1.8 mph	1.8 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:29 AM	60.4 °F	52.2 °F	74 %	ESE	1.3 mph	1.8 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:34 AM	60.3 °F	52.0 °F	74 %	ESE	1.6 mph	1.8 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:39 AM	60.1 °F	52.2 °F	75 %	ESE	1.1 mph	1.8 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:44 AM	59.9 °F	52.0 °F	75 %	ESE	1.1 mph	1.6 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
12:49 AM	59.7 °F	51.8 °F	75 %	ESE	1.1 mph	1.3 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
12:54 AM	59.7 °F	52.2 °F	76 %	ESE	1.1 mph	1.6 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
12:59 AM	59.7 °F	51.8 °F	75 %	ESE	1.8 mph	2.2 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
1:04 AM	60.3 °F	52.0 °F	74 %	East	2.2 mph	2.7 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
1:09 AM	60.6 °F	51.6 °F	72 %	ESE	2.0 mph	2.7 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
1:14 AM	61.2 °F	52.0 °F	72 %	ESE	2.5 mph	2.9 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
1:19 AM	61.3 °F	51.8 °F	71 %	ESE	2.0 mph	4.3 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
1:24 AM	61.5 °F	52.3 °F	72 %	ENE	2.5 mph	2.7 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
1:29 AM	61.2 °F	52.9 °F	74 %	East	1.8 mph	2.5 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
1:34 AM	60.6 °F	52.7 °F	75 %	ESE	1.6 mph	1.8 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
1:39 AM	60.3 °F	52.7 °F	76 %	ESE	1.1 mph	1.6 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
1:44 AM	60.1 °F	52.5 °F	76 %	ESE	1.3 mph	2.2 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
1:49 AM	59.9 °F	52.3 °F	76 %	ESE	1.3 mph	1.8 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
1:54 AM	59.7 °F	52.2 °F	76 %	East	1.1 mph	1.6 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
1:59 AM	59.7 °F	52.5 °F	77 %	ESE	0.4 mph	1.1 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
2:04 AM	59.5 °F	52.3 °F	77 %	SE	0.4 mph	0.7 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
2:09 AM	59.4 °F	52.2 °F	77 %	ESE	0.4 mph	1.1 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
2:14 AM	59.4 °F	52.2 °F	77 %	ENE	1.3 mph	1.6 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
2:19 AM	59.2 °F	52.0 °F	77 %	ESE	0.7 mph	0.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
2:24 AM	59.2 °F	52.0 °F	77 %	East	0.9 mph	1.6 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
2:29 AM	59.0 °F	51.8 °F	77 %	SE	0.4 mph	2.5 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
2:34 AM	58.8 °F	52.0 °F	78 %	SE	1.3 mph	3.4 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
2:39 AM	58.6 °F	51.8 °F	78 %	SE	0.9 mph	2.7 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
2:44 AM	58.5 °F	51.6 °F	78 %	SE	0.7 mph	2.9 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
2:49 AM	58.1 °F	51.6 °F	79 %	SE	1.6 mph	2.7 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
2:54 AM	58.1 °F	51.6 °F	79 %	ESE	1.1 mph	1.8 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
2:59 AM	58.1 °F	51.6 °F	79 %	SE	0.4 mph	0.7 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
3:04 AM	57.9 °F	51.8 °F	80 %	SE	0.7 mph	2.5 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
3:09 AM	57.7 °F	51.6 °F	80 %	SE	0.7 mph	2.5 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
3:14 AM	57.7 °F	51.6 °F	80 %	ESE	0.9 mph	1.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:19 AM	57.9 °F	51.4 °F	79 %	ESE	1.3 mph	1.6 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:24 AM	58.1 °F	51.6 °F	79 %	ESE	1.1 mph	1.3 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:29 AM	58.1 °F	51.6 °F	79 %	ESE	0.9 mph	1.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:34 AM	58.1 °F	51.6 °F	79 %	ESE	0.7 mph	0.7 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:39 AM	57.9 °F	51.8 °F	80 %	SE	0.7 mph	0.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:44 AM	57.9 °F	51.8 °F	80 %	SE	0.7 mph	0.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:49 AM	57.7 °F	51.6 °F	80 %	SE	0.4 mph	0.7 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:54 AM	57.7 °F	51.6 °F	80 %	SE	0.4 mph	2.2 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
3:59 AM	57.7 °F	51.6 °F	80 %	SE	0.4 mph	0.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:04 AM	57.6 °F	51.4 °F	80 %	SE	0.7 mph	0.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:09 AM	57.6 °F	51.4 °F	80 %	SE	1.1 mph	2.7 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:14 AM	57.6 °F	51.4 °F	80 %	SE	0.9 mph	2.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:19 AM	57.4 °F	51.6 °F	81 %	SE	2.7 mph	2.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:24 AM	57.2 °F	51.4 °F	81 %	SE	2.7 mph	3.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:29 AM	57.2 °F	51.4 °F	81 %	ESE	0.4 mph	0.7 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:34 AM	57.0 °F	51.6 °F	82 %	SE	2.2 mph	3.4 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:39 AM	56.7 °F	51.3 °F	82 %	SE	1.3 mph	3.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²

6/14/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
4:44 AM	56.5 °F	51.4 °F	83 %	SE	2.0 mph	3.6 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:49 AM	56.1 °F	51.1 °F	83 %	SE	3.1 mph	3.4 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:54 AM	55.9 °F	51.3 °F	84 %	SE	2.9 mph	3.1 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
4:59 AM	55.8 °F	51.1 °F	84 %	SE	2.7 mph	2.9 mph	29.89 in	0.00 in	0.00 in	0	0 w/m²
5:04 AM	55.4 °F	50.7 °F	84 %	SE	2.7 mph	3.1 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
5:09 AM	55.2 °F	50.7 °F	85 %	SE	2.7 mph	2.9 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
5:14 AM	55.0 °F	50.5 °F	85 %	SE	1.3 mph	2.7 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
5:19 AM	55.0 °F	50.9 °F	86 %	SE	2.5 mph	3.1 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
5:24 AM	54.9 °F	50.7 °F	86 %	SE	1.6 mph	3.1 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
5:29 AM	54.9 °F	50.7 °F	86 %	SE	0.7 mph	2.5 mph	29.90 in	0.00 in	0.00 in	0	0 w/m²
5:34 AM	54.7 °F	50.5 °F	86 %	SE	1.6 mph	3.1 mph	29.90 in	0.00 in	0.00 in	0	1 w/m²
5:39 AM	54.7 °F	50.5 °F	86 %	SSE	3.8 mph	4.5 mph	29.90 in	0.00 in	0.00 in	0	1 w/m²
5:44 AM	55.4 °F	50.4 °F	83 %	SSE	5.4 mph	7.6 mph	29.90 in	0.00 in	0.00 in	0	3 w/m²
5:49 AM	56.1 °F	50.7 °F	82 %	SE	3.6 mph	4.5 mph	29.90 in	0.00 in	0.00 in	0	5 w/m²
5:53 AM	56.5 °F	50.7 °F	81 %	SSE	4.0 mph	4.9 mph	29.90 in	0.00 in	0.00 in	0	8 w/m²
5:59 AM	56.7 °F	50.9 °F	81 %	SSE	4.3 mph	5.1 mph	29.90 in	0.00 in	0.00 in	0	11 w/m²
6:04 AM	56.8 °F	51.1 °F	81 %	SSE	4.3 mph	4.9 mph	29.90 in	0.00 in	0.00 in	0	15 w/m²
6:09 AM	57.0 °F	51.3 °F	81 %	SSE	3.8 mph	4.5 mph	29.90 in	0.00 in	0.00 in	0	19 w/m²
6:14 AM	57.0 °F	51.3 °F	81 %	SE	4.5 mph	6.9 mph	29.90 in	0.00 in	0.00 in	0	24 w/m²
6:19 AM	57.2 °F	51.4 °F	81 %	SE	2.0 mph	4.0 mph	29.90 in	0.00 in	0.00 in	0	31 w/m²
6:24 AM	57.6 °F	51.4 °F	80 %	SE	0.4 mph	1.1 mph	29.90 in	0.00 in	0.00 in	0	38 w/m²
6:29 AM	57.9 °F	51.8 °F	80 %	East	1.3 mph	2.7 mph	29.90 in	0.00 in	0.00 in	1	45 w/m²
6:34 AM	58.3 °F	51.8 °F	79 %	East	1.6 mph	2.5 mph	29.90 in	0.00 in	0.00 in	1	53 w/m²
6:39 AM	58.8 °F	52.0 °F	78 %	East	2.0 mph	2.9 mph	29.90 in	0.00 in	0.00 in	1	60 w/m²
6:44 AM	59.4 °F	52.2 °F	77 %	ENE	2.9 mph	3.4 mph	29.90 in	0.00 in	0.00 in	1	70 w/m²
6:49 AM	59.7 °F	52.5 °F	77 %	ENE	2.5 mph	3.1 mph	29.90 in	0.00 in	0.00 in	1	80 w/m²
6:54 AM	60.3 °F	52.3 °F	75 %	East	2.9 mph	3.6 mph	29.90 in	0.00 in	0.00 in	1	89 w/m²
6:59 AM	60.8 °F	52.5 °F	74 %	East	1.8 mph	2.5 mph	29.90 in	0.00 in	0.00 in	1	100 w/m²
7:04 AM	61.5 °F	52.7 °F	73 %	SE	0.7 mph	2.2 mph	29.91 in	0.00 in	0.00 in	1	110 w/m²
7:09 AM	62.1 °F	53.2 °F	73 %	ESE	0.7 mph	2.0 mph	29.91 in	0.00 in	0.00 in	1	121 w/m²
7:14 AM	62.4 °F	52.9 °F	71 %	ESE	0.4 mph	0.9 mph	29.91 in	0.00 in	0.00 in	1	134 w/m²
7:19 AM	62.4 °F	53.2 °F	72 %	ESE	0.7 mph	1.8 mph	29.91 in	0.00 in	0.00 in	2	147 w/m²
7:24 AM	63.0 °F	53.1 °F	70 %	SE	0.9 mph	2.5 mph	29.91 in	0.00 in	0.00 in	2	159 w/m²
7:29 AM	62.8 °F	53.2 °F	71 %	East	1.1 mph	3.6 mph	29.91 in	0.00 in	0.00 in	2	173 w/m²
7:34 AM	62.6 °F	53.1 °F	71 %	SE	2.0 mph	4.9 mph	29.91 in	0.00 in	0.00 in	2	187 w/m²
7:39 AM	62.6 °F	53.1 °F	71 %	SSE	1.1 mph	3.1 mph	29.91 in	0.00 in	0.00 in	2	202 w/m²
7:44 AM	63.0 °F	53.4 °F	71 %	SE	2.5 mph	5.6 mph	29.91 in	0.00 in	0.00 in	2	217 w/m²
7:49 AM	63.1 °F	53.2 °F	70 %	SE	2.5 mph	4.5 mph	29.91 in	0.00 in	0.00 in	2	232 w/m²
7:54 AM	63.5 °F	53.6 °F	70 %	SE	4.3 mph	6.7 mph	29.91 in	0.00 in	0.00 in	3	247 w/m²
7:59 AM	63.7 °F	53.2 °F	69 %	SSE	2.2 mph	4.0 mph	29.91 in	0.00 in	0.00 in	3	263 w/m²
8:04 AM	64.2 °F	53.8 °F	69 %	ESE	2.5 mph	4.0 mph	29.91 in	0.00 in	0.00 in	3	280 w/m²
8:09 AM	64.8 °F	54.0 °F	68 %	ESE	2.2 mph	4.7 mph	29.91 in	0.00 in	0.00 in	3	296 w/m²
8:14 AM	65.5 °F	54.7 °F	68 %	ENE	3.1 mph	5.6 mph	29.91 in	0.00 in	0.00 in	3	313 w/m²
8:19 AM	66.6 °F	54.5 °F	65 %	NE	3.4 mph	5.1 mph	29.91 in	0.00 in	0.00 in	3	332 w/m²
8:24 AM	66.9 °F	54.9 °F	65 %	NE	3.6 mph	6.5 mph	29.91 in	0.00 in	0.00 in	4	350 w/m²
8:29 AM	67.5 °F	54.9 °F	64 %	NE	5.1 mph	8.1 mph	29.91 in	0.00 in	0.00 in	4	370 w/m²
8:34 AM	67.8 °F	55.6 °F	65 %	ENE	4.0 mph	6.0 mph	29.91 in	0.00 in	0.00 in	4	389 w/m²
8:39 AM	68.2 °F	55.6 °F	64 %	ENE	2.7 mph	4.7 mph	29.91 in	0.00 in	0.00 in	4	407 w/m²
8:44 AM	67.8 °F	56.1 °F	66 %	ENE	3.8 mph	5.8 mph	29.90 in	0.00 in	0.00 in	4	423 w/m²
8:49 AM	68.7 °F	55.2 °F	62 %	ENE	3.4 mph	4.5 mph	29.90 in	0.00 in	0.00 in	4	440 w/m²
8:54 AM	69.4 °F	55.4 °F	61 %	NNW	1.3 mph	3.4 mph	29.90 in	0.00 in	0.00 in	4	454 w/m²
8:59 AM	69.6 °F	56.5 °F	63 %	ENE	2.5 mph	4.3 mph	29.90 in	0.00 in	0.00 in	5	472 w/m²
9:04 AM	69.8 °F	55.8 °F	61 %	NE	2.9 mph	4.5 mph	29.90 in	0.00 in	0.00 in	5	489 w/m²
9:09 AM	70.5 °F	55.9 °F	60 %	East	2.0 mph	3.1 mph	29.90 in	0.00 in	0.00 in	5	505 w/m²
9:14 AM	69.6 °F	56.8 °F	64 %	NNW	2.5 mph	4.3 mph	29.90 in	0.00 in	0.00 in	5	522 w/m²
9:19 AM	69.1 °F	55.6 °F	62 %	NNE	2.2 mph	3.6 mph	29.90 in	0.00 in	0.00 in	5	539 w/m²

6/14/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
9:24 AM	69.6 °F	55.0 °F	60 %	ENE	1.8 mph	3.6 mph	29.90 in	0.00 in	0.00 in	5	556 w/m²
9:29 AM	70.2 °F	55.6 °F	60 %	NW	2.2 mph	4.3 mph	29.90 in	0.00 in	0.00 in	5	571 w/m²
9:34 AM	70.7 °F	55.2 °F	58 %	NNE	2.2 mph	4.3 mph	29.90 in	0.00 in	0.00 in	6	588 w/m²
9:39 AM	71.1 °F	55.9 °F	59 %	SW	1.8 mph	4.0 mph	29.90 in	0.00 in	0.00 in	6	602 w/m²
9:44 AM	70.7 °F	55.8 °F	59 %	North	1.8 mph	6.3 mph	29.90 in	0.00 in	0.00 in	6	619 w/m²
9:49 AM	71.4 °F	56.3 °F	59 %	NNE	4.0 mph	6.0 mph	29.90 in	0.00 in	0.00 in	6	635 w/m²
9:54 AM	71.8 °F	56.7 °F	59 %	SSE	2.7 mph	5.8 mph	29.90 in	0.00 in	0.00 in	6	651 w/m²
9:59 AM	72.0 °F	56.3 °F	58 %	SE	1.6 mph	5.8 mph	29.90 in	0.00 in	0.00 in	6	665 w/m²
10:04 AM	72.3 °F	56.3 °F	57 %	East	1.3 mph	3.4 mph	29.90 in	0.00 in	0.00 in	6	681 w/m²
10:09 AM	72.1 °F	57.6 °F	60 %	East	1.1 mph	1.8 mph	29.90 in	0.00 in	0.00 in	6	689 w/m²
10:14 AM	72.7 °F	57.0 °F	58 %	ESE	1.3 mph	2.2 mph	29.90 in	0.00 in	0.00 in	7	713 w/m²
10:19 AM	73.4 °F	57.2 °F	57 %	ESE	1.6 mph	2.2 mph	29.90 in	0.00 in	0.00 in	7	726 w/m²
10:24 AM	73.9 °F	56.8 °F	55 %	ESE	1.6 mph	2.9 mph	29.89 in	0.00 in	0.00 in	7	739 w/m²
10:29 AM	73.9 °F	57.7 °F	57 %	East	0.9 mph	2.9 mph	29.90 in	0.00 in	0.00 in	7	756 w/m²
10:34 AM	74.3 °F	57.6 °F	56 %	ESE	1.6 mph	3.4 mph	29.90 in	0.00 in	0.00 in	7	774 w/m²
10:39 AM	74.7 °F	57.4 °F	55 %	ESE	1.3 mph	2.7 mph	29.89 in	0.00 in	0.00 in	7	799 w/m²
10:44 AM	75.0 °F	57.7 °F	55 %	ESE	1.3 mph	2.5 mph	29.89 in	0.00 in	0.00 in	7	798 w/m²
10:49 AM	74.7 °F	57.9 °F	56 %	SE	1.1 mph	3.6 mph	29.89 in	0.00 in	0.00 in	7	780 w/m²
10:54 AM	74.7 °F	57.4 °F	55 %	ESE	1.1 mph	2.0 mph	29.89 in	0.00 in	0.00 in	6	706 w/m²
10:59 AM	74.8 °F	57.6 °F	55 %	SE	1.8 mph	3.1 mph	29.89 in	0.00 in	0.00 in	7	796 w/m²
11:04 AM	74.5 °F	57.7 °F	56 %	ESE	2.5 mph	3.6 mph	29.88 in	0.00 in	0.00 in	7	823 w/m²
11:09 AM	74.3 °F	57.0 °F	55 %	ESE	1.6 mph	2.7 mph	29.89 in	0.00 in	0.00 in	7	819 w/m²
11:14 AM	74.3 °F	57.6 °F	56 %	SE	1.3 mph	2.9 mph	29.89 in	0.00 in	0.00 in	8	864 w/m²
11:19 AM	74.7 °F	57.4 °F	55 %	SE	1.6 mph	3.6 mph	29.88 in	0.00 in	0.00 in	8	870 w/m²
11:24 AM	75.4 °F	57.6 °F	54 %	ESE	1.8 mph	3.6 mph	29.88 in	0.00 in	0.00 in	8	881 w/m²
11:29 AM	75.4 °F	58.1 °F	55 %	SE	1.1 mph	2.5 mph	29.88 in	0.00 in	0.00 in	8	881 w/m²
11:34 AM	75.6 °F	57.2 °F	53 %	ESE	1.3 mph	2.5 mph	29.88 in	0.00 in	0.00 in	8	894 w/m²
11:39 AM	75.9 °F	57.6 °F	53 %	ESE	1.6 mph	2.7 mph	29.88 in	0.00 in	0.00 in	8	909 w/m²
11:44 AM	75.9 °F	57.6 °F	53 %	ESE	1.1 mph	2.2 mph	29.88 in	0.00 in	0.00 in	8	916 w/m²
11:49 AM	76.1 °F	57.7 °F	53 %	SE	1.3 mph	2.5 mph	29.88 in	0.00 in	0.00 in	8	922 w/m²
11:54 AM	76.3 °F	57.9 °F	53 %	SSE	1.8 mph	4.7 mph	29.88 in	0.00 in	0.00 in	8	933 w/m²
11:59 AM	76.8 °F	57.9 °F	52 %	ESE	0.9 mph	2.0 mph	29.88 in	0.00 in	0.00 in	9	948 w/m²
12:04 PM	77.4 °F	57.7 °F	51 %	SE	1.1 mph	2.5 mph	29.88 in	0.00 in	0.00 in	8	937 w/m²
12:09 PM	77.5 °F	57.9 °F	51 %	SSE	0.9 mph	2.5 mph	29.87 in	0.00 in	0.00 in	9	955 w/m²
12:14 PM	77.7 °F	58.6 °F	52 %	ESE	1.6 mph	3.6 mph	29.87 in	0.00 in	0.00 in	9	977 w/m²
12:19 PM	77.9 °F	58.3 °F	51 %	ESE	1.3 mph	3.6 mph	29.87 in	0.00 in	0.00 in	9	983 w/m²
12:24 PM	77.5 °F	58.5 °F	52 %	SE	1.6 mph	2.2 mph	29.87 in	0.00 in	0.00 in	8	908 w/m²
12:29 PM	77.7 °F	58.1 °F	51 %	SSE	1.1 mph	2.2 mph	29.87 in	0.00 in	0.00 in	9	959 w/m²
12:34 PM	78.1 °F	57.9 °F	50 %	SE	1.6 mph	2.7 mph	29.87 in	0.00 in	0.00 in	7	798 w/m²
12:39 PM	78.3 °F	58.1 °F	50 %	ESE	2.0 mph	2.7 mph	29.87 in	0.00 in	0.00 in	9	995 w/m²
12:44 PM	78.4 °F	58.8 °F	51 %	ESE	1.6 mph	2.5 mph	29.86 in	0.00 in	0.00 in	9	968 w/m²
12:49 PM	78.8 °F	58.6 °F	50 %	SE	1.8 mph	3.1 mph	29.86 in	0.00 in	0.00 in	9	999 w/m²
12:54 PM	79.3 °F	59.2 °F	50 %	ESE	1.3 mph	2.5 mph	29.86 in	0.00 in	0.00 in	8	882 w/m²
12:59 PM	79.9 °F	59.0 °F	49 %	SE	1.8 mph	4.0 mph	29.86 in	0.00 in	0.00 in	8	939 w/m²
1:04 PM	79.9 °F	58.5 °F	48 %	SE	1.6 mph	2.7 mph	29.86 in	0.00 in	0.00 in	8	922 w/m²
1:09 PM	79.7 °F	59.4 °F	50 %	SE	0.7 mph	1.8 mph	29.86 in	0.00 in	0.00 in	9	962 w/m²
1:14 PM	80.1 °F	58.6 °F	48 %	ESE	1.6 mph	3.1 mph	29.85 in	0.00 in	0.00 in	8	878 w/m²
1:19 PM	80.2 °F	59.4 °F	49 %	ESE	2.0 mph	3.4 mph	29.85 in	0.00 in	0.00 in	8	915 w/m²
1:24 PM	80.6 °F	59.2 °F	48 %	ESE	1.8 mph	3.4 mph	29.85 in	0.00 in	0.00 in	8	942 w/m²
1:29 PM	81.0 °F	58.8 °F	47 %	SE	2.5 mph	3.6 mph	29.85 in	0.00 in	0.00 in	9	953 w/m²
1:34 PM	81.3 °F	58.6 °F	46 %	SE	1.8 mph	3.8 mph	29.85 in	0.00 in	0.00 in	8	931 w/m²
1:39 PM	81.5 °F	59.4 °F	47 %	SSE	1.3 mph	5.4 mph	29.85 in	0.00 in	0.00 in	8	846 w/m²
1:44 PM	81.9 °F	59.0 °F	46 %	SE	1.3 mph	2.9 mph	29.85 in	0.00 in	0.00 in	6	703 w/m²
1:49 PM	81.7 °F	59.5 °F	47 %	SSE	2.0 mph	6.0 mph	29.85 in	0.00 in	0.00 in	5	540 w/m²
1:54 PM	81.0 °F	59.4 °F	48 %	SSE	2.2 mph	6.9 mph	29.84 in	0.00 in	0.00 in	7	802 w/m²
1:59 PM	81.1 °F	59.0 °F	47 %	ESE	1.3 mph	2.2 mph	29.84 in	0.00 in	0.00 in	9	951 w/m²

6/14/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
2:04 PM	81.7 °F	59.5 °F	47 %	SE	1.3 mph	3.1 mph	29.84 in	0.00 in	0.00 in	9	946 w/m²
2:09 PM	82.0 °F	59.2 °F	46 %	SSE	2.7 mph	6.7 mph	29.84 in	0.00 in	0.00 in	8	896 w/m²
2:14 PM	82.2 °F	60.1 °F	47 %	ESE	1.6 mph	3.8 mph	29.84 in	0.00 in	0.00 in	8	863 w/m²
2:19 PM	82.8 °F	59.2 °F	45 %	SSE	0.9 mph	4.7 mph	29.84 in	0.00 in	0.00 in	8	889 w/m²
2:24 PM	83.1 °F	59.5 °F	45 %	SE	1.3 mph	2.0 mph	29.83 in	0.00 in	0.00 in	7	807 w/m²
2:29 PM	83.3 °F	59.7 °F	45 %	ESE	1.6 mph	2.9 mph	29.83 in	0.00 in	0.00 in	7	780 w/m²
2:34 PM	83.3 °F	60.4 °F	46 %	SE	1.8 mph	4.7 mph	29.83 in	0.00 in	0.00 in	7	805 w/m²
2:39 PM	83.5 °F	60.6 °F	46 %	SSE	2.0 mph	3.6 mph	29.82 in	0.00 in	0.00 in	8	837 w/m²
2:44 PM	83.7 °F	60.1 °F	45 %	SE	1.8 mph	2.9 mph	29.82 in	0.00 in	0.00 in	7	765 w/m²
2:49 PM	83.8 °F	59.5 °F	44 %	SSE	3.1 mph	6.9 mph	29.82 in	0.00 in	0.00 in	6	697 w/m²
2:54 PM	83.7 °F	59.4 °F	44 %	SE	1.8 mph	3.4 mph	29.82 in	0.00 in	0.00 in	6	666 w/m²
2:59 PM	83.7 °F	59.4 °F	44 %	SSE	2.2 mph	7.6 mph	29.81 in	0.00 in	0.00 in	6	689 w/m²
3:04 PM	83.5 °F	59.9 °F	45 %	SE	1.3 mph	2.0 mph	29.81 in	0.00 in	0.00 in	6	675 w/m²
3:09 PM	83.3 °F	59.7 °F	45 %	SE	1.8 mph	3.1 mph	29.81 in	0.00 in	0.00 in	5	562 w/m²
3:14 PM	83.1 °F	59.5 °F	45 %	SSE	2.0 mph	4.3 mph	29.81 in	0.00 in	0.00 in	4	445 w/m²
3:19 PM	82.8 °F	59.2 °F	45 %	SE	1.8 mph	2.9 mph	29.81 in	0.00 in	0.00 in	7	704 w/m²
3:24 PM	82.9 °F	59.4 °F	45 %	ESE	1.1 mph	2.5 mph	29.81 in	0.00 in	0.00 in	8	864 w/m²
3:29 PM	83.3 °F	59.7 °F	45 %	SSE	2.9 mph	8.5 mph	29.81 in	0.00 in	0.00 in	9	956 w/m²
3:34 PM	83.5 °F	60.6 °F	46 %	SSE	1.6 mph	4.5 mph	29.81 in	0.00 in	0.00 in	9	931 w/m²
3:39 PM	83.8 °F	59.5 °F	44 %	SE	1.6 mph	2.5 mph	29.80 in	0.00 in	0.00 in	6	643 w/m²
3:44 PM	84.2 °F	60.6 °F	45 %	South	2.7 mph	8.3 mph	29.80 in	0.00 in	0.00 in	6	627 w/m²
3:49 PM	84.4 °F	60.1 °F	44 %	South	4.0 mph	8.1 mph	29.80 in	0.00 in	0.00 in	6	656 w/m²
3:54 PM	84.6 °F	59.5 °F	43 %	SE	1.1 mph	2.5 mph	29.80 in	0.00 in	0.00 in	4	471 w/m²
3:59 PM	84.6 °F	60.3 °F	44 %	SSE	2.2 mph	5.1 mph	29.80 in	0.00 in	0.00 in	4	475 w/m²
4:04 PM	84.0 °F	61.0 °F	46 %	South	4.7 mph	12.5 mph	29.80 in	0.00 in	0.00 in	4	470 w/m²
4:09 PM	83.5 °F	60.6 °F	46 %	SSE	1.8 mph	2.7 mph	29.79 in	0.00 in	0.00 in	3	309 w/m²
4:14 PM	82.9 °F	60.6 °F	47 %	SSE	2.0 mph	7.2 mph	29.79 in	0.00 in	0.00 in	3	285 w/m²
4:19 PM	82.2 °F	60.6 °F	48 %	SE	1.8 mph	3.6 mph	29.79 in	0.00 in	0.00 in	3	295 w/m²
4:24 PM	82.0 °F	60.4 °F	48 %	SE	0.9 mph	2.0 mph	29.79 in	0.00 in	0.00 in	4	439 w/m²
4:29 PM	81.7 °F	60.1 °F	48 %	ESE	1.6 mph	2.9 mph	29.79 in	0.00 in	0.00 in	5	486 w/m²
4:34 PM	81.5 °F	60.4 °F	49 %	SE	0.7 mph	1.6 mph	29.78 in	0.00 in	0.00 in	6	635 w/m²
4:39 PM	82.4 °F	60.8 °F	48 %	ESE	0.9 mph	2.2 mph	29.78 in	0.00 in	0.00 in	5	509 w/m²
4:44 PM	83.3 °F	61.0 °F	47 %	SE	0.4 mph	1.3 mph	29.78 in	0.00 in	0.00 in	6	683 w/m²
4:49 PM	83.8 °F	60.3 °F	45 %	South	5.1 mph	11.0 mph	29.78 in	0.00 in	0.00 in	3	382 w/m²
4:54 PM	82.8 °F	60.4 °F	47 %	SSW	6.7 mph	10.3 mph	29.78 in	0.00 in	0.00 in	2	254 w/m²
4:59 PM	81.9 °F	60.3 °F	48 %	South	10.3 mph	13.0 mph	29.77 in	0.00 in	0.00 in	2	208 w/m²
5:04 PM	81.1 °F	60.3 °F	49 %	South	4.5 mph	8.3 mph	29.77 in	0.00 in	0.00 in	2	176 w/m²
5:09 PM	81.1 °F	60.3 °F	49 %	SE	1.6 mph	5.1 mph	29.77 in	0.00 in	0.00 in	3	263 w/m²
5:14 PM	81.3 °F	60.3 °F	49 %	South	2.2 mph	6.0 mph	29.76 in	0.00 in	0.00 in	3	333 w/m²
5:19 PM	81.1 °F	60.3 °F	49 %	SSE	1.8 mph	6.7 mph	29.76 in	0.00 in	0.00 in	2	237 w/m²
5:24 PM	80.8 °F	60.4 °F	50 %	SSE	2.5 mph	6.3 mph	29.76 in	0.00 in	0.00 in	2	208 w/m²
5:29 PM	80.4 °F	60.1 °F	50 %	SE	1.6 mph	2.9 mph	29.76 in	0.00 in	0.00 in	4	371 w/m²
5:34 PM	80.4 °F	60.1 °F	50 %	SSE	2.7 mph	6.9 mph	29.76 in	0.00 in	0.00 in	2	219 w/m²
5:39 PM	80.2 °F	59.9 °F	50 %	South	8.1 mph	10.7 mph	29.76 in	0.00 in	0.00 in	3	254 w/m²
5:44 PM	79.9 °F	60.1 °F	51 %	SSE	3.8 mph	9.6 mph	29.76 in	0.00 in	0.00 in	4	364 w/m²
5:49 PM	80.2 °F	59.4 °F	49 %	SSE	3.4 mph	7.6 mph	29.76 in	0.00 in	0.00 in	2	254 w/m²
5:54 PM	80.2 °F	59.9 °F	50 %	SSE	1.8 mph	3.4 mph	29.75 in	0.00 in	0.00 in	3	324 w/m²
5:59 PM	80.6 °F	59.7 °F	49 %	SE	2.0 mph	4.0 mph	29.75 in	0.00 in	0.00 in	3	285 w/m²
6:04 PM	80.4 °F	60.1 °F	50 %	SE	1.3 mph	2.7 mph	29.75 in	0.00 in	0.00 in	4	399 w/m²
6:09 PM	80.8 °F	59.2 °F	48 %	South	6.5 mph	11.0 mph	29.75 in	0.00 in	0.00 in	4	394 w/m²
6:14 PM	80.8 °F	59.2 °F	48 %	SE	1.6 mph	3.4 mph	29.75 in	0.00 in	0.00 in	4	407 w/m²
6:19 PM	81.0 °F	60.1 °F	49 %	SSE	3.1 mph	7.2 mph	29.75 in	0.00 in	0.00 in	4	371 w/m²
6:24 PM	81.5 °F	59.4 °F	47 %	South	5.1 mph	7.6 mph	29.75 in	0.00 in	0.00 in	3	328 w/m²
6:29 PM	81.5 °F	59.4 °F	47 %	SE	1.3 mph	2.5 mph	29.74 in	0.00 in	0.00 in	3	294 w/m²
6:34 PM	81.7 °F	59.5 °F	47 %	SE	1.3 mph	2.2 mph	29.74 in	0.00 in	0.00 in	3	266 w/m²
6:39 PM	81.5 °F	59.4 °F	47 %	South	4.5 mph	7.6 mph	29.74 in	0.00 in	0.00 in	2	244 w/m²

6/14/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
6:44 PM	81.3 °F	59.7 °F	48 %	SSE	2.0 mph	4.3 mph	29.74 in	0.00 in	0.00 in	2	225 w/m²
6:49 PM	81.0 °F	59.4 °F	48 %	South	7.4 mph	13.4 mph	29.74 in	0.00 in	0.00 in	2	208 w/m²
6:54 PM	80.1 °F	59.7 °F	50 %	SSE	2.5 mph	6.7 mph	29.74 in	0.00 in	0.00 in	2	193 w/m²
6:59 PM	79.7 °F	58.8 °F	49 %	SSE	2.5 mph	8.5 mph	29.75 in	0.00 in	0.00 in	2	178 w/m²
7:04 PM	79.3 °F	59.7 °F	51 %	South	6.0 mph	11.2 mph	29.75 in	0.00 in	0.00 in	2	164 w/m²
7:09 PM	79.0 °F	59.4 °F	51 %	SSE	4.3 mph	10.5 mph	29.75 in	0.00 in	0.00 in	2	150 w/m²
7:14 PM	79.0 °F	59.4 °F	51 %	SSE	2.5 mph	5.6 mph	29.75 in	0.00 in	0.00 in	2	136 w/m²
7:19 PM	79.0 °F	59.4 °F	51 %	SE	2.5 mph	6.9 mph	29.75 in	0.00 in	0.00 in	1	123 w/m²
7:24 PM	78.6 °F	59.5 °F	52 %	SSE	3.1 mph	8.9 mph	29.75 in	0.00 in	0.00 in	0	49 w/m²
7:29 PM	77.9 °F	59.4 °F	53 %	SSE	3.1 mph	5.8 mph	29.75 in	0.00 in	0.00 in	0	45 w/m²
7:34 PM	77.4 °F	58.8 °F	53 %	South	4.7 mph	9.4 mph	29.75 in	0.00 in	0.00 in	0	42 w/m²
7:39 PM	76.8 °F	59.0 °F	54 %	ESE	0.9 mph	1.8 mph	29.75 in	0.00 in	0.00 in	0	39 w/m²
7:44 PM	76.3 °F	59.4 °F	56 %	ESE	1.1 mph	2.0 mph	29.75 in	0.00 in	0.00 in	0	36 w/m²
7:49 PM	75.6 °F	59.2 °F	57 %	ESE	0.9 mph	1.1 mph	29.75 in	0.00 in	0.00 in	0	33 w/m²
7:54 PM	75.0 °F	58.8 °F	57 %	ESE	1.1 mph	2.0 mph	29.74 in	0.00 in	0.00 in	0	30 w/m²
7:59 PM	74.5 °F	59.2 °F	59 %	East	2.2 mph	3.6 mph	29.74 in	0.00 in	0.00 in	0	28 w/m²
8:04 PM	73.6 °F	58.5 °F	59 %	East	2.2 mph	2.7 mph	29.75 in	0.00 in	0.00 in	0	23 w/m²
8:09 PM	72.9 °F	58.1 °F	60 %	East	3.1 mph	4.3 mph	29.75 in	0.00 in	0.00 in	0	19 w/m²
8:14 PM	72.3 °F	58.1 °F	61 %	ENE	3.1 mph	3.6 mph	29.75 in	0.00 in	0.00 in	0	16 w/m²
8:19 PM	72.0 °F	58.3 °F	62 %	ENE	3.6 mph	4.3 mph	29.75 in	0.00 in	0.00 in	0	12 w/m²
8:24 PM	71.4 °F	58.1 °F	63 %	East	4.0 mph	5.6 mph	29.75 in	0.00 in	0.00 in	0	9 w/m²
8:29 PM	70.9 °F	58.1 °F	64 %	ENE	3.6 mph	4.7 mph	29.75 in	0.00 in	0.00 in	0	6 w/m²
8:34 PM	70.5 °F	57.7 °F	64 %	ENE	4.3 mph	4.9 mph	29.75 in	0.00 in	0.00 in	0	4 w/m²
8:39 PM	70.0 °F	57.7 °F	65 %	ENE	4.3 mph	4.9 mph	29.75 in	0.00 in	0.00 in	0	2 w/m²
8:43 PM	69.8 °F	57.6 °F	65 %	NE	4.0 mph	4.9 mph	29.75 in	0.00 in	0.00 in	0	1 w/m²
8:48 PM	69.6 °F	57.4 °F	65 %	NE	2.9 mph	4.5 mph	29.75 in	0.00 in	0.00 in	0	1 w/m²
8:54 PM	69.3 °F	57.0 °F	65 %	ENE	2.9 mph	3.4 mph	29.76 in	0.00 in	0.00 in	0	0 w/m²
8:59 PM	69.1 °F	57.2 °F	66 %	East	2.5 mph	5.4 mph	29.76 in	0.00 in	0.00 in	0	0 w/m²
9:04 PM	68.9 °F	57.0 °F	66 %	SE	4.9 mph	8.5 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
9:09 PM	69.3 °F	56.5 °F	64 %	SSE	3.8 mph	6.7 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
9:14 PM	69.3 °F	56.5 °F	64 %	SSE	4.7 mph	9.4 mph	29.76 in	0.00 in	0.00 in	0	0 w/m²
9:19 PM	69.3 °F	57.0 °F	65 %	East	2.2 mph	2.9 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
9:24 PM	69.1 °F	56.8 °F	65 %	East	2.2 mph	2.9 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
9:29 PM	68.4 °F	57.4 °F	68 %	ESE	1.6 mph	1.8 mph	29.76 in	0.00 in	0.00 in	0	0 w/m²
9:34 PM	67.6 °F	57.0 °F	69 %	ESE	1.3 mph	1.6 mph	29.76 in	0.00 in	0.00 in	0	0 w/m²
9:39 PM	66.7 °F	57.0 °F	71 %	ESE	0.9 mph	1.1 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
9:44 PM	66.0 °F	56.7 °F	72 %	ESE	0.7 mph	0.9 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
9:49 PM	65.5 °F	56.3 °F	72 %	ESE	0.7 mph	1.1 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
9:54 PM	65.1 °F	55.9 °F	72 %	ESE	0.7 mph	1.1 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
9:59 PM	64.9 °F	56.1 °F	73 %	SE	1.6 mph	4.0 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
10:04 PM	65.1 °F	55.4 °F	71 %	SE	2.7 mph	7.6 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
10:09 PM	65.5 °F	55.8 °F	71 %	ESE	0.7 mph	1.1 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
10:14 PM	65.1 °F	55.9 °F	72 %	ESE	0.9 mph	1.6 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
10:19 PM	64.6 °F	55.8 °F	73 %	SE	3.1 mph	5.6 mph	29.77 in	0.00 in	0.00 in	0	0 w/m²
10:24 PM	64.0 °F	55.6 °F	74 %	ESE	0.9 mph	0.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
10:29 PM	63.3 °F	55.2 °F	75 %	ESE	1.1 mph	1.3 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
10:34 PM	62.8 °F	55.0 °F	76 %	ESE	1.6 mph	1.6 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
10:39 PM	62.6 °F	54.5 °F	75 %	SE	5.4 mph	8.1 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
10:44 PM	62.6 °F	54.9 °F	76 %	ESE	1.3 mph	1.8 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
10:49 PM	62.2 °F	54.5 °F	76 %	East	1.8 mph	2.0 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
10:54 PM	61.9 °F	54.7 °F	77 %	East	2.5 mph	2.7 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
10:58 PM	61.5 °F	54.7 °F	78 %	ENE	2.7 mph	2.7 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:04 PM	61.2 °F	54.3 °F	78 %	East	2.7 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:09 PM	61.0 °F	54.1 °F	78 %	East	2.7 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:14 PM	60.8 °F	54.3 °F	79 %	East	2.5 mph	2.7 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:19 PM	61.2 °F	54.0 °F	77 %	ESE	1.3 mph	2.2 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²

6/14/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
11:24 PM	61.9 °F	54.3 °F	76 %	SE	4.7 mph	6.5 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:29 PM	62.6 °F	54.5 °F	75 %	SE	4.5 mph	7.2 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:34 PM	62.8 °F	54.7 °F	75 %	SE	3.6 mph	6.7 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:39 PM	62.8 °F	54.7 °F	75 %	SE	1.8 mph	5.6 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:44 PM	62.6 °F	54.9 °F	76 %	East	2.0 mph	2.2 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:49 PM	62.1 °F	54.7 °F	77 %	NE	2.7 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:54 PM	61.5 °F	54.7 °F	78 %	ENE	2.9 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
11:59 PM	61.2 °F	54.7 °F	79 %	ENE	2.9 mph	3.1 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²

6/15/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
12:04 AM	61.0 °F	54.1 °F	78 %	ESE	1.3 mph	2.0 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
12:09 AM	61.2 °F	54.3 °F	78 %	East	2.0 mph	2.2 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
12:14 AM	61.3 °F	54.5 °F	78 %	East	2.7 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
12:19 AM	61.0 °F	54.1 °F	78 %	East	2.7 mph	2.7 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
12:24 AM	60.8 °F	54.3 °F	79 %	East	2.7 mph	2.9 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
12:29 AM	60.6 °F	54.5 °F	80 %	East	2.7 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
12:34 AM	60.4 °F	54.3 °F	80 %	East	2.5 mph	2.7 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
12:39 AM	60.4 °F	54.0 °F	79 %	East	2.7 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
12:44 AM	60.4 °F	54.0 °F	79 %	East	2.7 mph	2.7 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
12:49 AM	60.4 °F	54.0 °F	79 %	East	2.5 mph	2.7 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
12:54 AM	60.3 °F	53.8 °F	79 %	East	2.0 mph	2.2 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
12:59 AM	60.1 °F	54.0 °F	80 %	East	2.0 mph	2.2 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
1:04 AM	59.9 °F	53.8 °F	80 %	ESE	1.6 mph	1.8 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:09 AM	59.7 °F	53.6 °F	80 %	ESE	1.8 mph	2.0 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:14 AM	59.7 °F	53.6 °F	80 %	ESE	1.3 mph	1.6 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:19 AM	59.5 °F	53.4 °F	80 %	East	2.0 mph	2.5 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
1:24 AM	60.1 °F	53.2 °F	78 %	ESE	2.5 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:29 AM	61.0 °F	53.8 °F	77 %	SE	1.3 mph	2.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:34 AM	61.3 °F	53.8 °F	76 %	SE	1.6 mph	4.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:39 AM	61.5 °F	54.0 °F	76 %	ESE	1.8 mph	6.5 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:44 AM	61.5 °F	54.3 °F	77 %	ESE	1.8 mph	2.2 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:49 AM	61.3 °F	54.1 °F	77 %	ESE	1.6 mph	2.0 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:54 AM	61.3 °F	53.8 °F	76 %	SE	1.6 mph	4.9 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
1:59 AM	61.2 °F	54.0 °F	77 %	ESE	1.8 mph	2.5 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
2:04 AM	61.2 °F	54.0 °F	77 %	ESE	2.0 mph	2.2 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
2:09 AM	61.2 °F	54.0 °F	77 %	ESE	2.2 mph	3.4 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
2:14 AM	61.0 °F	53.8 °F	77 %	ESE	2.5 mph	4.3 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
2:19 AM	61.0 °F	53.8 °F	77 %	ESE	2.7 mph	4.5 mph	29.78 in	0.00 in	0.00 in	0	0 w/m²
2:24 AM	60.8 °F	53.6 °F	77 %	East	3.1 mph	3.1 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
2:29 AM	60.6 °F	53.4 °F	77 %	ESE	2.7 mph	3.1 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
2:34 AM	60.4 °F	53.2 °F	77 %	ESE	2.9 mph	3.1 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
2:39 AM	60.4 °F	53.2 °F	77 %	East	2.9 mph	3.1 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
2:44 AM	60.4 °F	53.2 °F	77 %	ENE	2.5 mph	3.4 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
2:49 AM	60.4 °F	53.2 °F	77 %	NE	2.7 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
2:54 AM	60.3 °F	53.1 °F	77 %	ENE	2.7 mph	2.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
2:59 AM	60.3 °F	53.1 °F	77 %	East	2.2 mph	2.7 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:04 AM	60.1 °F	53.2 °F	78 %	ESE	1.8 mph	2.5 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:09 AM	59.9 °F	53.1 °F	78 %	ESE	2.0 mph	2.5 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
3:14 AM	59.9 °F	53.1 °F	78 %	ESE	2.2 mph	2.5 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
3:19 AM	59.9 °F	53.1 °F	78 %	ESE	2.2 mph	2.5 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
3:24 AM	59.9 °F	53.4 °F	79 %	East	1.8 mph	2.2 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:29 AM	59.7 °F	53.2 °F	79 %	East	2.0 mph	2.5 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:34 AM	59.5 °F	53.4 °F	80 %	ESE	1.6 mph	2.0 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:39 AM	59.5 °F	53.4 °F	80 %	ESE	1.3 mph	1.6 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:44 AM	59.4 °F	53.6 °F	81 %	ESE	1.1 mph	1.6 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:49 AM	59.2 °F	53.4 °F	81 %	ESE	0.9 mph	1.3 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:54 AM	59.0 °F	53.2 °F	81 %	SE	0.4 mph	0.4 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
3:59 AM	58.6 °F	52.9 °F	81 %	SE	0.9 mph	2.7 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:04 AM	58.5 °F	53.1 °F	82 %	SE	1.8 mph	2.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:09 AM	58.1 °F	52.7 °F	82 %	SE	2.9 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:14 AM	57.7 °F	52.7 °F	83 %	SE	2.9 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:19 AM	57.4 °F	52.3 °F	83 %	SE	2.9 mph	3.4 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:24 AM	57.2 °F	52.3 °F	84 %	SE	3.1 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:29 AM	57.0 °F	52.2 °F	84 %	SE	1.8 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:34 AM	56.8 °F	52.0 °F	84 %	SE	3.1 mph	3.4 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:39 AM	56.5 °F	51.6 °F	84 %	SE	2.2 mph	2.7 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²

6/15/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
4:44 AM	56.3 °F	51.4 °F	84 %	SE	2.7 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
4:49 AM	56.3 °F	51.8 °F	85 %	SE	3.1 mph	3.6 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
4:54 AM	56.1 °F	51.6 °F	85 %	SE	2.7 mph	2.7 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
4:59 AM	56.1 °F	51.6 °F	85 %	SE	0.9 mph	2.5 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
5:04 AM	55.9 °F	51.4 °F	85 %	SE	2.7 mph	3.1 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
5:09 AM	55.9 °F	51.4 °F	85 %	SSE	2.7 mph	3.1 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
5:14 AM	55.8 °F	51.6 °F	86 %	SE	2.5 mph	2.9 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
5:19 AM	55.6 °F	51.4 °F	86 %	SE	2.7 mph	3.1 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
5:24 AM	55.4 °F	51.3 °F	86 %	SE	3.4 mph	3.8 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
5:29 AM	55.4 °F	51.3 °F	86 %	SE	2.9 mph	3.1 mph	29.82 in	0.00 in	0.00 in	0	1 w/m²
5:34 AM	55.4 °F	51.3 °F	86 %	SE	2.0 mph	2.9 mph	29.82 in	0.00 in	0.00 in	0	1 w/m²
5:39 AM	55.4 °F	51.3 °F	86 %	SE	1.8 mph	2.5 mph	29.83 in	0.00 in	0.00 in	0	2 w/m²
5:44 AM	55.4 °F	51.3 °F	86 %	SE	2.0 mph	2.7 mph	29.83 in	0.00 in	0.00 in	0	3 w/m²
5:49 AM	55.6 °F	51.4 °F	86 %	SE	2.2 mph	2.7 mph	29.83 in	0.00 in	0.00 in	0	5 w/m²
5:54 AM	55.6 °F	51.4 °F	86 %	SE	1.6 mph	2.9 mph	29.83 in	0.00 in	0.00 in	0	8 w/m²
5:59 AM	55.6 °F	51.4 °F	86 %	SSE	3.1 mph	3.6 mph	29.83 in	0.00 in	0.00 in	0	12 w/m²
6:04 AM	55.6 °F	51.4 °F	86 %	SE	2.9 mph	3.1 mph	29.84 in	0.00 in	0.00 in	0	15 w/m²
6:09 AM	55.6 °F	51.4 °F	86 %	SE	2.9 mph	3.1 mph	29.84 in	0.00 in	0.00 in	0	18 w/m²
6:14 AM	55.9 °F	51.4 °F	85 %	SSE	2.7 mph	4.3 mph	29.84 in	0.00 in	0.00 in	0	22 w/m²
6:19 AM	56.7 °F	51.6 °F	83 %	SE	4.0 mph	4.7 mph	29.84 in	0.00 in	0.00 in	0	25 w/m²
6:24 AM	57.2 °F	51.8 °F	82 %	SE	2.2 mph	4.5 mph	29.84 in	0.00 in	0.00 in	0	33 w/m²
6:29 AM	57.6 °F	51.8 °F	81 %	SE	2.5 mph	5.1 mph	29.84 in	0.00 in	0.00 in	1	41 w/m²
6:34 AM	58.1 °F	52.3 °F	81 %	SE	0.7 mph	1.1 mph	29.85 in	0.00 in	0.00 in	1	48 w/m²
6:39 AM	58.5 °F	52.3 °F	80 %	ESE	1.8 mph	2.2 mph	29.85 in	0.00 in	0.00 in	1	55 w/m²
6:44 AM	58.8 °F	52.3 °F	79 %	East	2.2 mph	2.7 mph	29.85 in	0.00 in	0.00 in	1	64 w/m²
6:49 AM	59.2 °F	52.7 °F	79 %	East	2.7 mph	3.1 mph	29.85 in	0.00 in	0.00 in	1	74 w/m²
6:54 AM	59.7 °F	52.9 °F	78 %	ESE	2.5 mph	3.8 mph	29.85 in	0.00 in	0.00 in	1	89 w/m²
6:59 AM	60.1 °F	52.9 °F	77 %	ESE	2.0 mph	2.2 mph	29.85 in	0.00 in	0.00 in	1	101 w/m²
7:04 AM	60.4 °F	53.2 °F	77 %	ESE	0.9 mph	1.6 mph	29.85 in	0.00 in	0.00 in	1	113 w/m²
7:09 AM	61.0 °F	53.4 °F	76 %	SE	0.9 mph	4.3 mph	29.85 in	0.00 in	0.00 in	1	127 w/m²
7:14 AM	61.2 °F	53.2 °F	75 %	SSE	1.8 mph	4.5 mph	29.86 in	0.00 in	0.00 in	2	142 w/m²
7:19 AM	61.5 °F	54.0 °F	76 %	SE	1.8 mph	4.5 mph	29.86 in	0.00 in	0.00 in	2	152 w/m²
7:24 AM	61.9 °F	54.0 °F	75 %	SE	3.6 mph	6.0 mph	29.86 in	0.00 in	0.00 in	2	165 w/m²
7:29 AM	62.1 °F	54.0 °F	75 %	SE	1.3 mph	2.7 mph	29.86 in	0.00 in	0.00 in	2	177 w/m²
7:34 AM	62.8 °F	54.0 °F	73 %	SE	1.8 mph	4.0 mph	29.86 in	0.00 in	0.00 in	2	190 w/m²
7:39 AM	63.5 °F	54.0 °F	71 %	East	2.0 mph	3.6 mph	29.86 in	0.00 in	0.00 in	2	204 w/m²
7:44 AM	64.0 °F	54.9 °F	72 %	SE	4.3 mph	6.0 mph	29.86 in	0.00 in	0.00 in	2	218 w/m²
7:49 AM	63.7 °F	54.5 °F	72 %	SSW	2.5 mph	3.6 mph	29.86 in	0.00 in	0.00 in	2	234 w/m²
7:54 AM	64.0 °F	54.9 °F	72 %	ESE	1.1 mph	3.4 mph	29.87 in	0.00 in	0.00 in	3	250 w/m²
7:59 AM	64.6 °F	55.0 °F	71 %	East	2.9 mph	4.3 mph	29.86 in	0.00 in	0.00 in	3	268 w/m²
8:04 AM	65.8 °F	54.5 °F	67 %	ENE	2.5 mph	4.0 mph	29.87 in	0.00 in	0.00 in	3	282 w/m²
8:09 AM	65.8 °F	55.8 °F	70 %	SE	3.4 mph	5.6 mph	29.87 in	0.00 in	0.00 in	3	294 w/m²
8:14 AM	65.8 °F	55.0 °F	68 %	East	2.0 mph	3.8 mph	29.87 in	0.00 in	0.00 in	3	304 w/m²
8:19 AM	65.8 °F	55.8 °F	70 %	East	3.1 mph	5.6 mph	29.87 in	0.00 in	0.00 in	3	337 w/m²
8:24 AM	66.4 °F	55.9 °F	69 %	ENE	3.1 mph	6.3 mph	29.87 in	0.00 in	0.00 in	4	359 w/m²
8:29 AM	66.4 °F	55.9 °F	69 %	ENE	3.6 mph	6.5 mph	29.87 in	0.00 in	0.00 in	2	178 w/m²
8:34 AM	66.7 °F	55.4 °F	67 %	ENE	2.9 mph	4.7 mph	29.87 in	0.00 in	0.00 in	1	166 w/m²
8:39 AM	67.5 °F	55.8 °F	66 %	NE	2.9 mph	4.3 mph	29.87 in	0.00 in	0.00 in	2	261 w/m²
8:44 AM	68.2 °F	55.9 °F	65 %	NW	1.1 mph	2.5 mph	29.87 in	0.00 in	0.00 in	3	333 w/m²
8:49 AM	67.8 °F	56.8 °F	68 %	North	1.8 mph	3.4 mph	29.88 in	0.00 in	0.00 in	4	444 w/m²
8:53 AM	68.2 °F	55.9 °F	65 %	NE	1.1 mph	4.0 mph	29.88 in	0.00 in	0.00 in	4	421 w/m²
8:59 AM	69.3 °F	56.1 °F	63 %	East	1.8 mph	3.6 mph	29.88 in	0.00 in	0.00 in	4	435 w/m²
9:04 AM	68.9 °F	56.7 °F	65 %	NNE	2.9 mph	3.8 mph	29.88 in	0.00 in	0.00 in	3	359 w/m²
9:09 AM	69.8 °F	56.1 °F	62 %	ENE	2.0 mph	4.7 mph	29.88 in	0.00 in	0.00 in	5	498 w/m²
9:14 AM	70.5 °F	56.8 °F	62 %	ENE	1.8 mph	2.7 mph	29.88 in	0.00 in	0.00 in	4	418 w/m²
9:19 AM	70.7 °F	56.7 °F	61 %	NNE	1.8 mph	4.0 mph	29.88 in	0.00 in	0.00 in	5	499 w/m²

6/15/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
9:24 AM	71.6 °F	57.4 °F	61 %	East	1.1 mph	2.5 mph	29.88 in	0.00 in	0.00 in	5	491 w/m²
9:29 AM	72.1 °F	57.6 °F	60 %	East	1.1 mph	2.0 mph	29.88 in	0.00 in	0.00 in	4	421 w/m²
9:34 AM	72.0 °F	58.3 °F	62 %	West	2.5 mph	4.3 mph	29.88 in	0.00 in	0.00 in	6	577 w/m²
9:39 AM	71.2 °F	58.5 °F	64 %	East	0.7 mph	1.3 mph	29.88 in	0.00 in	0.00 in	2	246 w/m²
9:44 AM	71.2 °F	57.9 °F	63 %	East	1.1 mph	1.8 mph	29.88 in	0.00 in	0.00 in	5	554 w/m²
9:49 AM	72.3 °F	57.2 °F	59 %	ESE	0.9 mph	2.0 mph	29.88 in	0.00 in	0.00 in	6	645 w/m²
9:54 AM	73.6 °F	57.4 °F	57 %	ESE	1.3 mph	2.2 mph	29.87 in	0.00 in	0.00 in	6	668 w/m²
9:59 AM	74.3 °F	57.0 °F	55 %	East	1.3 mph	3.4 mph	29.87 in	0.00 in	0.00 in	7	695 w/m²
10:04 AM	75.0 °F	58.3 °F	56 %	SSE	1.6 mph	3.6 mph	29.87 in	0.00 in	0.00 in	6	665 w/m²
10:09 AM	75.2 °F	57.9 °F	55 %	ESE	1.3 mph	2.0 mph	29.87 in	0.00 in	0.00 in	6	668 w/m²
10:14 AM	75.7 °F	57.4 °F	53 %	ENE	2.7 mph	4.3 mph	29.87 in	0.00 in	0.00 in	5	562 w/m²
10:19 AM	75.7 °F	58.5 °F	55 %	East	1.1 mph	2.0 mph	29.87 in	0.00 in	0.00 in	5	493 w/m²
10:24 AM	76.1 °F	58.3 °F	54 %	East	1.1 mph	2.9 mph	29.87 in	0.00 in	0.00 in	6	650 w/m²
10:29 AM	76.1 °F	58.3 °F	54 %	ESE	0.9 mph	1.8 mph	29.87 in	0.00 in	0.00 in	6	682 w/m²
10:34 AM	76.3 °F	57.9 °F	53 %	ESE	2.0 mph	2.5 mph	29.87 in	0.00 in	0.00 in	6	642 w/m²
10:39 AM	76.1 °F	58.3 °F	54 %	East	1.6 mph	2.5 mph	29.87 in	0.00 in	0.00 in	5	566 w/m²
10:44 AM	76.3 °F	58.5 °F	54 %	ESE	1.6 mph	3.4 mph	29.87 in	0.00 in	0.00 in	6	708 w/m²
10:49 AM	76.1 °F	58.3 °F	54 %	ESE	1.3 mph	1.8 mph	29.87 in	0.00 in	0.00 in	7	797 w/m²
10:54 AM	76.3 °F	57.9 °F	53 %	ESE	1.1 mph	2.0 mph	29.87 in	0.00 in	0.00 in	7	806 w/m²
10:59 AM	76.6 °F	57.7 °F	52 %	ESE	1.1 mph	2.5 mph	29.87 in	0.00 in	0.00 in	7	809 w/m²
11:04 AM	77.4 °F	58.3 °F	52 %	SSE	1.3 mph	3.4 mph	29.87 in	0.00 in	0.00 in	8	848 w/m²
11:09 AM	78.3 °F	57.6 °F	49 %	ESE	0.9 mph	1.8 mph	29.87 in	0.00 in	0.00 in	8	891 w/m²
11:14 AM	78.6 °F	57.9 °F	49 %	North	0.0 mph	0.9 mph	29.87 in	0.00 in	0.00 in	8	848 w/m²
11:19 AM	78.6 °F	58.5 °F	50 %	East	1.3 mph	2.0 mph	29.87 in	0.00 in	0.00 in	3	350 w/m²
11:24 AM	78.3 °F	57.6 °F	49 %	ESE	0.9 mph	2.0 mph	29.87 in	0.00 in	0.00 in	6	673 w/m²
11:29 AM	78.6 °F	57.9 °F	49 %	SE	0.9 mph	1.6 mph	29.87 in	0.00 in	0.00 in	8	885 w/m²
11:34 AM	79.5 °F	57.6 °F	47 %	SE	0.4 mph	2.0 mph	29.87 in	0.00 in	0.00 in	8	906 w/m²
11:39 AM	80.1 °F	57.4 °F	46 %	SE	0.4 mph	1.3 mph	29.87 in	0.00 in	0.00 in	8	919 w/m²
11:44 AM	80.2 °F	57.6 °F	46 %	ESE	1.1 mph	2.7 mph	29.87 in	0.00 in	0.00 in	8	922 w/m²
11:49 AM	80.1 °F	58.6 °F	48 %	SE	0.2 mph	1.3 mph	29.87 in	0.00 in	0.00 in	8	910 w/m²
11:54 AM	80.2 °F	57.6 °F	46 %	ESE	1.1 mph	1.6 mph	29.87 in	0.00 in	0.00 in	8	928 w/m²
11:59 AM	80.4 °F	57.7 °F	46 %	East	2.0 mph	2.9 mph	29.87 in	0.00 in	0.00 in	8	921 w/m²
12:04 PM	80.6 °F	57.4 °F	45 %	ESE	1.3 mph	2.7 mph	29.86 in	0.00 in	0.00 in	7	804 w/m²
12:09 PM	80.4 °F	57.7 °F	46 %	North	0.0 mph	0.7 mph	29.86 in	0.00 in	0.00 in	7	819 w/m²
12:14 PM	80.6 °F	57.9 °F	46 %	SE	0.4 mph	1.3 mph	29.86 in	0.00 in	0.00 in	8	896 w/m²
12:19 PM	81.0 °F	57.6 °F	45 %	SE	1.6 mph	2.5 mph	29.86 in	0.00 in	0.00 in	9	979 w/m²
12:24 PM	80.6 °F	57.9 °F	46 %	ESE	1.1 mph	1.8 mph	29.86 in	0.00 in	0.00 in	9	975 w/m²
12:29 PM	80.8 °F	57.4 °F	45 %	SE	0.9 mph	2.2 mph	29.86 in	0.00 in	0.00 in	9	972 w/m²
12:34 PM	81.0 °F	57.6 °F	45 %	ESE	0.7 mph	1.3 mph	29.86 in	0.00 in	0.00 in	9	969 w/m²
12:39 PM	81.0 °F	57.0 °F	44 %	SSE	1.6 mph	6.3 mph	29.86 in	0.00 in	0.00 in	8	957 w/m²
12:44 PM	81.1 °F	57.2 °F	44 %	ESE	1.6 mph	2.2 mph	29.85 in	0.00 in	0.00 in	8	952 w/m²
12:49 PM	81.3 °F	57.9 °F	45 %	South	2.7 mph	6.3 mph	29.85 in	0.00 in	0.00 in	9	972 w/m²
12:54 PM	81.5 °F	57.6 °F	44 %	SE	1.1 mph	2.5 mph	29.85 in	0.00 in	0.00 in	9	978 w/m²
12:59 PM	81.3 °F	57.9 °F	45 %	ESE	1.1 mph	1.8 mph	29.85 in	0.00 in	0.00 in	9	981 w/m²
1:04 PM	81.7 °F	57.7 °F	44 %	ESE	0.9 mph	2.2 mph	29.85 in	0.00 in	0.00 in	9	982 w/m²
1:09 PM	82.2 °F	58.1 °F	44 %	SE	1.1 mph	2.2 mph	29.85 in	0.00 in	0.00 in	9	980 w/m²
1:14 PM	82.6 °F	58.5 °F	44 %	ESE	1.1 mph	2.5 mph	29.85 in	0.00 in	0.00 in	9	979 w/m²
1:19 PM	82.2 °F	58.1 °F	44 %	ESE	1.8 mph	2.9 mph	29.84 in	0.00 in	0.00 in	9	976 w/m²
1:24 PM	82.6 °F	57.7 °F	43 %	SSE	2.0 mph	4.7 mph	29.84 in	0.00 in	0.00 in	9	972 w/m²
1:29 PM	82.9 °F	57.6 °F	42 %	SE	1.1 mph	2.2 mph	29.84 in	0.00 in	0.00 in	9	971 w/m²
1:34 PM	83.1 °F	57.7 °F	42 %	SE	1.3 mph	3.1 mph	29.84 in	0.00 in	0.00 in	9	974 w/m²
1:39 PM	83.7 °F	58.8 °F	43 %	SE	0.9 mph	1.8 mph	29.84 in	0.00 in	0.00 in	8	967 w/m²
1:44 PM	84.0 °F	57.7 °F	41 %	SE	1.3 mph	2.9 mph	29.83 in	0.00 in	0.00 in	8	948 w/m²
1:49 PM	84.0 °F	57.7 °F	41 %	SE	0.9 mph	2.5 mph	29.83 in	0.00 in	0.00 in	8	951 w/m²
1:54 PM	84.0 °F	58.5 °F	42 %	SE	1.3 mph	2.0 mph	29.83 in	0.00 in	0.00 in	8	939 w/m²
1:59 PM	84.0 °F	57.7 °F	41 %	SE	1.1 mph	2.5 mph	29.83 in	0.00 in	0.00 in	8	949 w/m²

6/15/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
2:04 PM	84.2 °F	57.2 °F	40 %	ESE	0.7 mph	1.8 mph	29.83 in	0.00 in	0.00 in	8	943 w/m²
2:09 PM	84.9 °F	57.2 °F	39 %	ESE	1.1 mph	2.0 mph	29.83 in	0.00 in	0.00 in	8	942 w/m²
2:14 PM	84.9 °F	58.6 °F	41 %	SE	0.9 mph	2.0 mph	29.82 in	0.00 in	0.00 in	8	936 w/m²
2:19 PM	85.3 °F	57.6 °F	39 %	ESE	1.1 mph	2.0 mph	29.82 in	0.00 in	0.00 in	8	932 w/m²
2:24 PM	85.5 °F	58.5 °F	40 %	SE	1.1 mph	3.1 mph	29.82 in	0.00 in	0.00 in	8	923 w/m²
2:29 PM	85.5 °F	58.5 °F	40 %	ESE	1.3 mph	2.2 mph	29.82 in	0.00 in	0.00 in	8	918 w/m²
2:34 PM	85.3 °F	57.6 °F	39 %	ESE	1.6 mph	2.5 mph	29.82 in	0.00 in	0.00 in	8	918 w/m²
2:39 PM	85.5 °F	57.7 °F	39 %	SSE	2.0 mph	6.5 mph	29.82 in	0.00 in	0.00 in	8	907 w/m²
2:44 PM	86.0 °F	57.4 °F	38 %	SSE	0.9 mph	2.7 mph	29.81 in	0.00 in	0.00 in	8	899 w/m²
2:49 PM	86.5 °F	58.6 °F	39 %	SE	1.3 mph	2.7 mph	29.81 in	0.00 in	0.00 in	8	891 w/m²
2:54 PM	86.4 °F	59.2 °F	40 %	SSE	1.8 mph	6.9 mph	29.81 in	0.00 in	0.00 in	8	881 w/m²
2:59 PM	85.8 °F	58.1 °F	39 %	SSE	2.2 mph	4.7 mph	29.81 in	0.00 in	0.00 in	7	852 w/m²
3:04 PM	85.8 °F	55.8 °F	36 %	SSW	3.8 mph	6.0 mph	29.81 in	0.00 in	0.00 in	8	865 w/m²
3:09 PM	86.0 °F	56.7 °F	37 %	South	5.4 mph	10.3 mph	29.80 in	0.00 in	0.00 in	7	846 w/m²
3:14 PM	86.0 °F	55.9 °F	36 %	SSW	6.0 mph	8.9 mph	29.80 in	0.00 in	0.00 in	7	838 w/m²
3:19 PM	86.2 °F	54.5 °F	34 %	SE	0.9 mph	2.2 mph	29.80 in	0.00 in	0.00 in	7	829 w/m²
3:24 PM	86.4 °F	54.7 °F	34 %	SE	2.0 mph	3.4 mph	29.80 in	0.00 in	0.00 in	7	815 w/m²
3:29 PM	86.4 °F	56.3 °F	36 %	South	3.1 mph	6.5 mph	29.80 in	0.00 in	0.00 in	7	806 w/m²
3:34 PM	86.0 °F	56.7 °F	37 %	South	4.5 mph	7.8 mph	29.79 in	0.00 in	0.00 in	7	797 w/m²
3:39 PM	85.8 °F	55.0 °F	35 %	South	4.9 mph	6.9 mph	29.79 in	0.00 in	0.00 in	7	780 w/m²
3:44 PM	86.0 °F	55.9 °F	36 %	South	7.6 mph	9.6 mph	29.79 in	0.00 in	0.00 in	7	777 w/m²
3:49 PM	86.4 °F	54.7 °F	34 %	SE	0.4 mph	1.8 mph	29.79 in	0.00 in	0.00 in	7	763 w/m²
3:53 PM	86.2 °F	55.4 °F	35 %	South	7.4 mph	9.4 mph	29.79 in	0.00 in	0.00 in	7	740 w/m²
3:59 PM	86.2 °F	56.1 °F	36 %	South	6.7 mph	10.3 mph	29.79 in	0.00 in	0.00 in	7	738 w/m²
4:04 PM	86.4 °F	56.3 °F	36 %	South	4.7 mph	10.5 mph	29.79 in	0.00 in	0.00 in	6	725 w/m²
4:09 PM	86.7 °F	55.8 °F	35 %	South	5.6 mph	11.2 mph	29.79 in	0.00 in	0.00 in	6	712 w/m²
4:14 PM	86.5 °F	57.2 °F	37 %	South	6.3 mph	9.6 mph	29.79 in	0.00 in	0.00 in	6	698 w/m²
4:19 PM	86.2 °F	56.8 °F	37 %	South	6.0 mph	10.1 mph	29.79 in	0.00 in	0.00 in	6	685 w/m²
4:24 PM	86.4 °F	57.0 °F	37 %	South	6.9 mph	11.2 mph	29.79 in	0.00 in	0.00 in	6	670 w/m²
4:29 PM	86.2 °F	56.1 °F	36 %	SSW	5.8 mph	8.5 mph	29.79 in	0.00 in	0.00 in	6	657 w/m²
4:34 PM	85.8 °F	57.2 °F	38 %	South	7.2 mph	10.7 mph	29.79 in	0.00 in	0.00 in	6	642 w/m²
4:39 PM	85.6 °F	57.2 °F	38 %	South	5.1 mph	9.8 mph	29.79 in	0.00 in	0.00 in	6	628 w/m²
4:44 PM	85.8 °F	56.5 °F	37 %	SSW	7.6 mph	9.6 mph	29.78 in	0.00 in	0.00 in	6	614 w/m²
4:49 PM	85.8 °F	56.5 °F	37 %	South	6.7 mph	11.4 mph	29.78 in	0.00 in	0.00 in	5	598 w/m²
4:54 PM	85.5 °F	56.3 °F	37 %	South	5.4 mph	8.7 mph	29.78 in	0.00 in	0.00 in	5	582 w/m²
4:59 PM	85.3 °F	56.8 °F	38 %	South	6.5 mph	9.8 mph	29.78 in	0.00 in	0.00 in	5	566 w/m²
5:04 PM	85.6 °F	56.5 °F	37 %	South	7.6 mph	11.4 mph	29.78 in	0.00 in	0.00 in	5	553 w/m²
5:09 PM	85.5 °F	56.3 °F	37 %	South	10.1 mph	13.2 mph	29.78 in	0.00 in	0.00 in	5	539 w/m²
5:14 PM	85.6 °F	56.5 °F	37 %	South	5.6 mph	11.6 mph	29.78 in	0.00 in	0.00 in	5	524 w/m²
5:19 PM	85.8 °F	56.5 °F	37 %	South	5.4 mph	9.8 mph	29.78 in	0.00 in	0.00 in	5	507 w/m²
5:24 PM	85.5 °F	57.0 °F	38 %	South	7.2 mph	11.4 mph	29.78 in	0.00 in	0.00 in	5	489 w/m²
5:29 PM	85.1 °F	56.7 °F	38 %	South	6.9 mph	12.1 mph	29.78 in	0.00 in	0.00 in	4	472 w/m²
5:34 PM	84.9 °F	56.5 °F	38 %	South	5.1 mph	8.5 mph	29.78 in	0.00 in	0.00 in	4	454 w/m²
5:39 PM	84.6 °F	56.1 °F	38 %	SSW	7.8 mph	12.8 mph	29.78 in	0.00 in	0.00 in	4	436 w/m²
5:44 PM	84.6 °F	56.8 °F	39 %	South	5.1 mph	10.1 mph	29.78 in	0.00 in	0.00 in	4	421 w/m²
5:49 PM	84.4 °F	55.9 °F	38 %	SSW	9.2 mph	12.5 mph	29.78 in	0.00 in	0.00 in	4	404 w/m²
5:54 PM	84.2 °F	56.7 °F	39 %	SSE	3.8 mph	11.4 mph	29.77 in	0.00 in	0.00 in	4	389 w/m²
5:59 PM	84.4 °F	55.9 °F	38 %	South	4.7 mph	8.1 mph	29.77 in	0.00 in	0.00 in	4	374 w/m²
6:04 PM	84.6 °F	56.1 °F	38 %	South	3.6 mph	5.6 mph	29.77 in	0.00 in	0.00 in	3	359 w/m²
6:09 PM	84.6 °F	56.8 °F	39 %	South	3.6 mph	6.7 mph	29.77 in	0.00 in	0.00 in	3	295 w/m²
6:14 PM	84.6 °F	56.1 °F	38 %	South	4.7 mph	9.4 mph	29.77 in	0.00 in	0.00 in	3	332 w/m²
6:19 PM	84.6 °F	56.8 °F	39 %	South	5.1 mph	7.8 mph	29.77 in	0.00 in	0.00 in	3	306 w/m²
6:24 PM	84.4 °F	55.9 °F	38 %	South	6.5 mph	11.6 mph	29.77 in	0.00 in	0.00 in	2	182 w/m²
6:29 PM	83.7 °F	56.8 °F	40 %	South	4.3 mph	6.7 mph	29.77 in	0.00 in	0.00 in	1	137 w/m²
6:34 PM	83.5 °F	56.7 °F	40 %	South	7.8 mph	12.3 mph	29.77 in	0.00 in	0.00 in	3	276 w/m²
6:39 PM	83.8 °F	57.0 °F	40 %	SSE	3.6 mph	9.2 mph	29.77 in	0.00 in	0.00 in	3	273 w/m²

6/15/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
6:44 PM	83.7 °F	56.8 °F	40 %	South	5.1 mph	7.8 mph	29.77 in	0.00 in	0.00 in	2	192 w/m²
6:49 PM	83.7 °F	57.6 °F	41 %	South	3.6 mph	5.6 mph	29.77 in	0.00 in	0.00 in	1	126 w/m²
6:54 PM	83.1 °F	57.0 °F	41 %	South	5.8 mph	10.3 mph	29.77 in	0.00 in	0.00 in	2	173 w/m²
6:59 PM	83.5 °F	57.4 °F	41 %	South	4.5 mph	9.2 mph	29.77 in	0.00 in	0.00 in	3	240 w/m²
7:04 PM	83.7 °F	56.8 °F	40 %	South	5.6 mph	8.5 mph	29.77 in	0.00 in	0.00 in	3	230 w/m²
7:09 PM	83.7 °F	57.6 °F	41 %	South	4.9 mph	7.2 mph	29.77 in	0.00 in	0.00 in	2	200 w/m²
7:14 PM	83.7 °F	57.6 °F	41 %	South	4.5 mph	7.4 mph	29.77 in	0.00 in	0.00 in	2	163 w/m²
7:19 PM	83.7 °F	57.6 °F	41 %	South	3.1 mph	6.3 mph	29.77 in	0.00 in	0.00 in	1	132 w/m²
7:24 PM	83.3 °F	57.7 °F	42 %	South	4.7 mph	7.4 mph	29.77 in	0.00 in	0.00 in	0	55 w/m²
7:29 PM	82.8 °F	57.9 °F	43 %	South	2.9 mph	6.3 mph	29.77 in	0.00 in	0.00 in	0	46 w/m²
7:34 PM	82.6 °F	57.7 °F	43 %	South	3.8 mph	6.5 mph	29.77 in	0.00 in	0.00 in	0	42 w/m²
7:39 PM	82.0 °F	57.9 °F	44 %	SSE	2.0 mph	6.5 mph	29.77 in	0.00 in	0.00 in	0	39 w/m²
7:44 PM	81.7 °F	57.7 °F	44 %	South	2.5 mph	7.8 mph	29.77 in	0.00 in	0.00 in	0	36 w/m²
7:49 PM	81.3 °F	57.4 °F	44 %	South	5.1 mph	7.2 mph	29.77 in	0.00 in	0.00 in	0	33 w/m²
7:53 PM	81.0 °F	57.6 °F	45 %	SSE	3.1 mph	6.9 mph	29.78 in	0.00 in	0.00 in	0	30 w/m²
7:58 PM	80.4 °F	57.2 °F	45 %	South	4.7 mph	7.2 mph	29.78 in	0.00 in	0.00 in	0	27 w/m²
8:04 PM	80.1 °F	56.8 °F	45 %	South	5.4 mph	7.8 mph	29.78 in	0.00 in	0.00 in	0	23 w/m²
8:09 PM	79.5 °F	56.3 °F	45 %	SSE	4.5 mph	6.9 mph	29.78 in	0.00 in	0.00 in	0	19 w/m²
8:14 PM	79.2 °F	56.7 °F	46 %	SSE	4.0 mph	6.0 mph	29.78 in	0.00 in	0.00 in	0	16 w/m²
8:19 PM	78.8 °F	56.8 °F	47 %	SSE	2.0 mph	4.0 mph	29.78 in	0.00 in	0.00 in	0	12 w/m²
8:24 PM	78.4 °F	57.2 °F	48 %	SSE	3.6 mph	7.6 mph	29.78 in	0.00 in	0.00 in	0	9 w/m²
8:29 PM	78.1 °F	57.4 °F	49 %	SSE	1.3 mph	3.6 mph	29.78 in	0.00 in	0.00 in	0	6 w/m²
8:33 PM	77.7 °F	57.0 °F	49 %	East	0.9 mph	1.3 mph	29.79 in	0.00 in	0.00 in	0	4 w/m²
8:38 PM	77.0 °F	58.1 °F	52 %	ENE	2.2 mph	2.9 mph	29.79 in	0.00 in	0.00 in	0	1 w/m²
8:43 PM	75.6 °F	59.2 °F	57 %	East	1.3 mph	1.8 mph	29.79 in	0.00 in	0.00 in	0	1 w/m²
8:48 PM	74.5 °F	58.8 °F	58 %	ENE	2.5 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	1 w/m²
8:53 PM	73.2 °F	58.5 °F	60 %	ENE	3.6 mph	4.3 mph	29.79 in	0.00 in	0.00 in	0	0 w/m²
8:58 PM	72.1 °F	57.9 °F	61 %	NE	4.0 mph	4.5 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:03 PM	71.4 °F	58.1 °F	63 %	East	3.8 mph	5.6 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:08 PM	70.9 °F	57.7 °F	63 %	SE	3.6 mph	5.4 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:14 PM	70.5 °F	57.7 °F	64 %	ESE	4.0 mph	5.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:19 PM	70.2 °F	57.4 °F	64 %	NE	4.0 mph	4.5 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:23 PM	69.8 °F	57.6 °F	65 %	NE	3.4 mph	4.5 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:28 PM	69.4 °F	57.2 °F	65 %	NE	4.5 mph	4.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:33 PM	69.4 °F	57.6 °F	66 %	ENE	3.4 mph	4.0 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:38 PM	69.1 °F	57.7 °F	67 %	ENE	2.9 mph	3.4 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:43 PM	68.9 °F	57.6 °F	67 %	East	3.1 mph	3.6 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:48 PM	68.5 °F	57.2 °F	67 %	East	2.5 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:53 PM	68.2 °F	57.2 °F	68 %	ESE	1.6 mph	1.8 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
9:58 PM	68.0 °F	56.7 °F	67 %	ESE	1.8 mph	2.5 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:04 PM	68.5 °F	56.7 °F	66 %	ENE	2.5 mph	3.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:08 PM	68.5 °F	57.2 °F	67 %	East	2.2 mph	2.7 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:13 PM	68.4 °F	57.0 °F	67 %	ESE	2.0 mph	2.2 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
10:18 PM	67.8 °F	57.2 °F	69 %	ESE	1.3 mph	1.6 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
10:23 PM	67.5 °F	57.4 °F	70 %	ESE	1.3 mph	1.6 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:28 PM	66.9 °F	56.8 °F	70 %	ESE	0.9 mph	1.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:33 PM	66.6 °F	56.5 °F	70 %	ESE	1.8 mph	2.5 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:38 PM	66.2 °F	56.1 °F	70 %	ESE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:43 PM	65.8 °F	56.1 °F	71 %	ESE	0.9 mph	1.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:48 PM	65.5 °F	55.8 °F	71 %	SE	0.9 mph	1.3 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:53 PM	65.1 °F	55.4 °F	71 %	ESE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
10:58 PM	64.9 °F	55.4 °F	71 %	SE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:03 PM	64.8 °F	55.6 °F	72 %	ESE	0.7 mph	1.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:08 PM	64.4 °F	55.2 °F	72 %	SE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:13 PM	64.0 °F	54.9 °F	72 %	SE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:18 PM	63.9 °F	54.7 °F	72 %	SE	0.7 mph	0.9 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²

6/15/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
11:23 PM	63.7 °F	54.5 °F	72 %	SE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:28 PM	63.5 °F	54.3 °F	72 %	SE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:33 PM	63.5 °F	54.3 °F	72 %	SE	0.7 mph	0.7 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:38 PM	63.5 °F	54.3 °F	72 %	SE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:43 PM	63.3 °F	54.1 °F	72 %	ESE	0.9 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:48 PM	63.3 °F	54.5 °F	73 %	ESE	0.7 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:53 PM	63.1 °F	54.0 °F	72 %	ESE	0.9 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
11:58 PM	63.0 °F	53.8 °F	72 %	ESE	0.9 mph	1.1 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²

6/16/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
12:03 AM	63.0 °F	53.8 °F	72 %	ESE	0.9 mph	0.9 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:08 AM	62.8 °F	53.6 °F	72 %	ESE	0.9 mph	1.1 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
12:13 AM	62.6 °F	53.8 °F	73 %	ESE	1.1 mph	1.6 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
12:18 AM	62.6 °F	53.8 °F	73 %	ESE	1.3 mph	1.6 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:23 AM	62.4 °F	53.6 °F	73 %	ESE	1.3 mph	1.6 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:28 AM	62.2 °F	53.8 °F	74 %	ESE	1.6 mph	1.8 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:33 AM	62.2 °F	53.8 °F	74 %	ESE	1.6 mph	1.8 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:38 AM	62.1 °F	53.6 °F	74 %	ESE	1.6 mph	2.0 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:43 AM	62.1 °F	53.6 °F	74 %	ESE	1.6 mph	1.8 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:48 AM	62.1 °F	54.0 °F	75 %	East	2.0 mph	2.2 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:53 AM	61.9 °F	54.0 °F	75 %	ESE	1.8 mph	2.0 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
12:58 AM	61.9 °F	54.0 °F	75 %	East	2.2 mph	2.5 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
1:03 AM	61.7 °F	54.1 °F	76 %	East	2.5 mph	2.7 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
1:08 AM	61.5 °F	54.0 °F	76 %	East	2.5 mph	2.7 mph	29.80 in	0.00 in	0.00 in	0	0 w/m²
1:13 AM	61.5 °F	54.0 °F	76 %	East	2.0 mph	2.2 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
1:18 AM	61.5 °F	53.6 °F	75 %	ESE	1.6 mph	1.8 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
1:23 AM	61.7 °F	53.8 °F	75 %	ESE	2.2 mph	2.5 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
1:28 AM	61.7 °F	53.8 °F	75 %	East	2.9 mph	2.9 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
1:33 AM	61.5 °F	54.0 °F	76 %	East	2.7 mph	3.1 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
1:38 AM	61.2 °F	53.6 °F	76 %	East	2.9 mph	3.1 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
1:43 AM	61.0 °F	53.4 °F	76 %	East	2.9 mph	3.1 mph	29.81 in	0.00 in	0.00 in	0	0 w/m²
1:48 AM	60.8 °F	53.2 °F	76 %	East	2.5 mph	2.5 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
1:53 AM	60.4 °F	52.9 °F	76 %	ESE	2.0 mph	2.2 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
1:58 AM	60.3 °F	53.1 °F	77 %	ESE	2.0 mph	2.2 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:03 AM	60.3 °F	52.7 °F	76 %	East	1.8 mph	2.0 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:08 AM	60.1 °F	52.9 °F	77 %	ESE	1.3 mph	1.8 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:13 AM	59.9 °F	52.7 °F	77 %	ESE	1.8 mph	2.2 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:18 AM	59.9 °F	52.3 °F	76 %	ESE	2.2 mph	2.5 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:23 AM	59.9 °F	52.3 °F	76 %	ESE	1.3 mph	1.8 mph	29.83 in	0.00 in	0.00 in	0	0 w/m²
2:28 AM	59.9 °F	52.3 °F	76 %	ESE	0.9 mph	1.3 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:33 AM	59.7 °F	52.5 °F	77 %	ESE	0.9 mph	1.1 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:38 AM	59.5 °F	52.3 °F	77 %	ESE	0.7 mph	0.9 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:43 AM	59.4 °F	52.2 °F	77 %	NE	0.4 mph	1.1 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:48 AM	59.2 °F	52.0 °F	77 %	ESE	0.9 mph	1.1 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:53 AM	59.2 °F	52.0 °F	77 %	ESE	1.3 mph	1.6 mph	29.82 in	0.00 in	0.00 in	0	0 w/m²
2:58 AM	59.2 °F	52.0 °F	77 %	ESE	0.7 mph	1.8 mph	29.83 in	0.00 in	0.00 in	0	0 w/m²
3:03 AM	59.2 °F	52.3 °F	78 %	ESE	1.1 mph	1.6 mph	29.83 in	0.00 in	0.00 in	0	0 w/m²
3:08 AM	59.2 °F	52.3 °F	78 %	ESE	1.1 mph	1.6 mph	29.84 in	0.00 in	0.00 in	0	0 w/m²
3:13 AM	59.2 °F	52.0 °F	77 %	ESE	1.1 mph	1.3 mph	29.84 in	0.00 in	0.00 in	0	0 w/m²
3:18 AM	59.0 °F	52.2 °F	78 %	SE	1.1 mph	2.7 mph	29.84 in	0.00 in	0.00 in	0	0 w/m²
3:23 AM	58.8 °F	52.0 °F	78 %	SE	1.6 mph	3.1 mph	29.84 in	0.00 in	0.00 in	0	0 w/m²
3:28 AM	58.6 °F	52.2 °F	79 %	SE	2.9 mph	3.8 mph	29.84 in	0.00 in	0.00 in	0	0 w/m²
3:33 AM	58.3 °F	51.8 °F	79 %	SE	2.0 mph	3.4 mph	29.84 in	0.00 in	0.00 in	0	0 w/m²
3:38 AM	58.3 °F	51.8 °F	79 %	SE	2.0 mph	3.4 mph	29.85 in	0.00 in	0.00 in	0	0 w/m²
3:43 AM	58.3 °F	51.8 °F	79 %	SE	3.1 mph	3.6 mph	29.85 in	0.00 in	0.00 in	0	0 w/m²
3:48 AM	58.1 °F	52.0 °F	80 %	SE	1.6 mph	3.1 mph	29.85 in	0.00 in	0.00 in	0	0 w/m²
3:53 AM	58.1 °F	52.0 °F	80 %	SE	0.9 mph	3.1 mph	29.85 in	0.00 in	0.00 in	0	0 w/m²
3:58 AM	57.9 °F	51.8 °F	80 %	SE	2.0 mph	3.4 mph	29.85 in	0.00 in	0.00 in	0	0 w/m²
4:03 AM	57.7 °F	51.6 °F	80 %	SE	0.7 mph	2.7 mph	29.85 in	0.00 in	0.00 in	0	0 w/m²
4:08 AM	57.7 °F	51.6 °F	80 %	SE	1.8 mph	3.4 mph	29.86 in	0.00 in	0.00 in	0	0 w/m²
4:13 AM	57.7 °F	51.6 °F	80 %	SE	2.7 mph	3.8 mph	29.86 in	0.00 in	0.00 in	0	0 w/m²
4:18 AM	57.6 °F	51.8 °F	81 %	SE	3.1 mph	4.0 mph	29.86 in	0.00 in	0.00 in	0	0 w/m²
4:23 AM	57.4 °F	51.6 °F	81 %	SE	2.7 mph	3.8 mph	29.86 in	0.00 in	0.00 in	0	0 w/m²
4:28 AM	57.0 °F	51.6 °F	82 %	SE	3.1 mph	3.6 mph	29.86 in	0.00 in	0.00 in	0	0 w/m²
4:33 AM	57.0 °F	51.6 °F	82 %	SE	2.9 mph	3.8 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
4:38 AM	56.8 °F	51.8 °F	83 %	SE	2.9 mph	3.4 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²

6/16/2023

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.	UV	Solar
4:43 AM	56.8 °F	51.1 °F	81 %	SE	3.1 mph	3.8 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
4:48 AM	56.8 °F	51.4 °F	82 %	SE	2.7 mph	3.6 mph	29.87 in	0.00 in	0.00 in	0	0 w/m²
4:53 AM	56.8 °F	51.1 °F	81 %	SE	3.1 mph	3.8 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
4:58 AM	56.8 °F	51.4 °F	82 %	SE	3.1 mph	3.4 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
5:03 AM	56.7 °F	51.3 °F	82 %	SE	3.6 mph	4.0 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
5:08 AM	56.5 °F	51.1 °F	82 %	SE	2.9 mph	3.1 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
5:13 AM	56.7 °F	50.9 °F	81 %	SSE	5.6 mph	6.7 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
5:18 AM	57.0 °F	50.9 °F	80 %	SSE	4.3 mph	5.1 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
5:23 AM	57.2 °F	51.1 °F	80 %	SE	2.9 mph	3.4 mph	29.88 in	0.00 in	0.00 in	0	0 w/m²
5:28 AM	57.2 °F	51.1 °F	80 %	SSE	4.9 mph	6.0 mph	29.88 in	0.00 in	0.00 in	0	1 w/m²
5:33 AM	57.2 °F	51.1 °F	80 %	SSE	3.4 mph	4.3 mph	29.88 in	0.00 in	0.00 in	0	1 w/m²
5:38 AM	57.0 °F	51.3 °F	81 %	SE	3.4 mph	4.0 mph	29.89 in	0.00 in	0.00 in	0	2 w/m²
5:43 AM	56.8 °F	51.1 °F	81 %	SE	2.9 mph	3.1 mph	29.89 in	0.00 in	0.00 in	0	3 w/m²
5:48 AM	56.5 °F	51.1 °F	82 %	SSE	3.4 mph	4.3 mph	29.89 in	0.00 in	0.00 in	0	5 w/m²
5:53 AM	56.5 °F	51.1 °F	82 %	SE	3.1 mph	4.3 mph	29.89 in	0.00 in	0.00 in	0	8 w/m²
5:58 AM	56.5 °F	50.7 °F	81 %	SSE	4.7 mph	6.3 mph	29.89 in	0.00 in	0.00 in	0	11 w/m²
6:03 AM	56.8 °F	51.1 °F	81 %	SE	2.2 mph	3.8 mph	29.89 in	0.00 in	0.00 in	0	14 w/m²
6:08 AM	56.8 °F	51.1 °F	81 %	SE	2.9 mph	3.1 mph	29.89 in	0.00 in	0.00 in	0	18 w/m²
6:13 AM	56.8 °F	51.1 °F	81 %	SE	3.6 mph	4.0 mph	29.89 in	0.00 in	0.00 in	0	22 w/m²
6:18 AM	57.4 °F	51.3 °F	80 %	SE	3.6 mph	4.7 mph	29.89 in	0.00 in	0.00 in	0	29 w/m²
6:23 AM	57.9 °F	51.4 °F	79 %	SE	1.6 mph	2.9 mph	29.89 in	0.00 in	0.00 in	0	35 w/m²
6:28 AM	58.3 °F	51.8 °F	79 %	SE	1.8 mph	4.3 mph	29.89 in	0.00 in	0.00 in	1	42 w/m²
6:33 AM	58.5 °F	51.6 °F	78 %	SE	1.6 mph	4.9 mph	29.89 in	0.00 in	0.00 in	1	48 w/m²
6:38 AM	58.8 °F	52.0 °F	78 %	ESE	1.1 mph	1.6 mph	29.89 in	0.00 in	0.00 in	1	57 w/m²
6:43 AM	59.2 °F	52.0 °F	77 %	ESE	1.6 mph	1.8 mph	29.90 in	0.00 in	0.00 in	1	66 w/m²
6:49 AM	59.5 °F	52.0 °F	76 %	East	2.5 mph	2.9 mph	29.90 in	0.00 in	0.00 in	1	76 w/m²
6:53 AM	59.9 °F	52.0 °F	75 %	ESE	2.5 mph	2.9 mph	29.90 in	0.00 in	0.00 in	1	86 w/m²
6:58 AM	60.3 °F	52.3 °F	75 %	East	2.0 mph	2.5 mph	29.90 in	0.00 in	0.00 in	1	96 w/m²
7:03 AM	61.0 °F	52.7 °F	74 %	ESE	1.3 mph	1.8 mph	29.90 in	0.00 in	0.00 in	1	106 w/m²
7:08 AM	61.3 °F	52.7 °F	73 %	ESE	0.9 mph	1.3 mph	29.90 in	0.00 in	0.00 in	1	126 w/m²
7:13 AM	62.2 °F	52.3 °F	70 %	ESE	0.9 mph	2.5 mph	29.90 in	0.00 in	0.00 in	2	138 w/m²
7:18 AM	63.0 °F	53.4 °F	71 %	ESE	0.9 mph	2.7 mph	29.90 in	0.00 in	0.00 in	2	151 w/m²
7:23 AM	63.5 °F	53.6 °F	70 %	ESE	0.9 mph	2.7 mph	29.91 in	0.00 in	0.00 in	2	165 w/m²
7:28 AM	63.7 °F	53.2 °F	69 %	ESE	0.9 mph	1.6 mph	29.91 in	0.00 in	0.00 in	2	180 w/m²
7:33 AM	64.0 °F	53.2 °F	68 %	ESE	1.3 mph	2.7 mph	29.91 in	0.00 in	0.00 in	2	195 w/m²
7:38 AM	64.6 °F	53.4 °F	67 %	ESE	1.1 mph	2.0 mph	29.91 in	0.00 in	0.00 in	2	207 w/m²
7:43 AM	64.9 °F	53.2 °F	66 %	ESE	2.2 mph	4.7 mph	29.91 in	0.00 in	0.00 in	2	221 w/m²
7:48 AM	64.9 °F	53.8 °F	67 %	ESE	2.5 mph	5.1 mph	29.91 in	0.00 in	0.00 in	3	236 w/m²
7:53 AM	65.7 °F	53.2 °F	64 %	East	3.6 mph	5.4 mph	29.91 in	0.00 in	0.00 in	3	252 w/m²
7:58 AM	66.4 °F	53.8 °F	64 %	ENE	4.0 mph	6.0 mph	29.91 in	0.00 in	0.00 in	3	267 w/m²
8:03 AM	66.9 °F	53.1 °F	61 %	East	4.0 mph	5.6 mph	29.91 in	0.00 in	0.00 in	3	283 w/m²
8:08 AM	67.5 °F	53.6 °F	61 %	East	3.1 mph	4.7 mph	29.92 in	0.00 in	0.00 in	3	300 w/m²
8:13 AM	68.0 °F	54.1 °F	61 %	ENE	3.6 mph	4.5 mph	29.92 in	0.00 in	0.00 in	3	317 w/m²
8:18 AM	68.5 °F	53.6 °F	59 %	ENE	3.6 mph	4.9 mph	29.92 in	0.00 in	0.00 in	4	335 w/m²
8:23 AM	69.3 °F	53.8 °F	58 %	ENE	3.6 mph	4.9 mph	29.92 in	0.00 in	0.00 in	4	354 w/m²
8:28 AM	69.6 °F	54.7 °F	59 %	ENE	3.4 mph	4.7 mph	29.92 in	0.00 in	0.00 in	4	373 w/m²
8:33 AM	70.2 °F	54.7 °F	58 %	ENE	2.7 mph	4.0 mph	29.92 in	0.00 in	0.00 in	4	391 w/m²
8:38 AM	70.3 °F	54.9 °F	58 %	NE	2.5 mph	4.5 mph	29.92 in	0.00 in	0.00 in	4	408 w/m²
8:43 AM	70.2 °F	54.7 °F	58 %	SE	2.5 mph	6.5 mph	29.92 in	0.00 in	0.00 in	4	423 w/m²
8:48 AM	70.5 °F	54.5 °F	57 %	East	2.2 mph	3.6 mph	29.92 in	0.00 in	0.00 in	5	441 w/m²
8:53 AM	71.2 °F	54.3 °F	55 %	ENE	1.8 mph	3.8 mph	29.92 in	0.00 in	0.00 in	5	459 w/m²
8:58 AM	72.0 °F	54.9 °F	55 %	East	1.3 mph	2.0 mph	29.92 in	0.00 in	0.00 in	5	475 w/m²
9:03 AM	72.5 °F	54.9 °F	54 %	ENE	0.7 mph	1.3 mph	29.92 in	0.00 in	0.00 in	5	490 w/m²

APPENDIX 4.13-B: SOUND ASSESSMENT STUDY

BURNS McDONNELL

CORBY ENERGY STORAGE, LLC

SOUND ASSESSMENT STUDY

CORBY BESS
PROJECT NO. 163851

REVISION 2
OCTOBER 2024

CONTENTS

APPENDIX C – SOUND LEVEL CONTOURS

FIGURES

TABLES

List of Abbreviations

Abbreviation	Term/Phrase/Name
BESS	battery energy storage system
BPA	Bonneville Power Administration
CadnaA	Computer Aided Noise Abatement
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CNEL	Community Noise Exposure Level
dB	decibels
dBA	A-weighted decibels
dBC	C-weighted decibels
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HVAC	heating, ventilation, and air conditioning
Hz	Hertz
in/s	inches per second
ISO	International Organization of Standardization
L_{dn}	day-night average sound level
L_{eq}	equivalent-continuous sound level
LT	long-term monitor
OSHA	Occupational Safety and Health Administration
PPV	peak particle velocity
Project	Corby BESS Project
PWL	sound power level
Rec	noise-sensitive receiver
SPL	sound pressure level

Executive Summary

Burns & McDonnell conducted a sound assessment study for Corby Energy Storage, LLC proposed Corby BESS Project ("Project"). The Project is a planned 300-megawatt battery energy storage system ("BESS") with a substation located in Solano County, California. Project sound sources include inverters, battery containers equipped with heating, ventilation, and air conditioning ("HVAC") equipment, and transformers.

The objectives of this study are as follows:

- Identify the California Environmental Quality Act ("CEQA") thresholds and local standards applicable to the Project;
- Summarize the provided ambient sound survey to quantify the existing sound levels;
- Develop construction noise and vibration models to predict impacts on identified noise-sensitive receivers in the surrounding community;
- Develop an operational noise model to predict impacts on identified noise-sensitive receivers in the surrounding community;
- Compare the modeled noise and vibration levels against applicable CEQA thresholds and local standards to determine significant impacts.

An ambient sound level survey of the existing environment surrounding the Project was completed by ICF and incorporated into this report. Measured values were used to establish an existing ambient sound environment for noise-sensitive receivers surrounding the Project. Temporary construction and vibration levels have been analyzed and are not expected to have a significant impact. For permanent operation, the Project includes project design measures in the form of sound barriers placed along the north site boundary. Sound modeling results show that the scenario with the sound barrier incorporated has sound levels within the 50 dBA L_{eq} nighttime guidance found in the Solano County General Plan.

The following sections describe the study in further detail.

1.0 Acoustical Terminology

The term “sound level” is often used to describe two different sound characteristics: sound power and sound pressure. Every source that produces sound has a sound power level (“PWL”). The PWL is the acoustical energy emitted by a sound source and is an absolute number that is not affected by the surrounding environment. The acoustical energy produced by a source propagates through media as pressure fluctuations. These pressure fluctuations, also called sound pressure levels (“SPL”), are what human ears hear and microphones measure.

Sound is physically characterized by amplitude and frequency. The amplitude of sound is measured in decibels (“dB”) as the logarithmic ratio of a sound pressure to a reference sound pressure (20 micropascals). The reference sound pressure corresponds to the typical threshold of human hearing. To the average listener, a 3-dB change in a continuous broadband sound is generally considered “just barely perceptible”; a 5-dB change is generally considered “clearly noticeable”; and a 10-dB change is generally considered a doubling (or halving, if the sound is decreasing) of the apparent loudness.

Sound waves can occur at many different wavelengths, also known as the frequency. Frequency is measured in hertz (“Hz”) and is the number of wave cycles per second that occur. The typical human ear can hear frequencies ranging from approximately 20 to 20,000 Hz. Normally, the human ear is most sensitive to sounds in the middle frequencies (1,000 to 8,000 Hz) and is less sensitive to sounds in the lower and higher frequencies. As such, the A-weighting scale was developed to simulate the frequency response of the human ear to sounds at typical environmental levels. The A-weighting scale emphasizes sounds in the middle frequencies and de-emphasizes sounds in the low and high frequencies. Any sound level to which the A-weighting scale has been applied is expressed in A-weighted decibels, or dBA. For reference, the A-weighted sound pressure level and subjective loudness associated with some common sound sources are listed in Table 1-1. The C-weighting scale, expressed as C-weighted decibels or dBC, does not discriminate against low frequencies and measures more uniformly over the frequency range of 30 to 10,000 Hz.

Sound in the environment is constantly fluctuating, as when a car drives by, a dog barks, or a plane passes overhead. Therefore, sound metrics have been developed to quantify fluctuating environmental sound levels. These metrics include the exceedance sound level. The exceedance sound level is the sound level exceeded during “x” percent of the sampling period and is also referred to as a statistical sound level. Common exceedance sound level values are the 10-, 50-,90-percentile exceedance sound levels, denoted by L_{10}, L_{50}, and L_{90}. The equivalent-continuous sound level (“L_{eq}”) is the arithmetic average of the varying sound over a given time period and is the most common metric used to describe sound.

Table 1-1: Typical Sound Pressure Levels Associated with Common Sound Sources

Sound Pressure Level (dBA)	Subjective Evaluation	Environment
140	Deafening	Jet aircraft at 75 feet
130	Threshold of pain	Jet aircraft during takeoff at a distance of 300 feet
120	Threshold of feeling	Elevated train
110	Very loud	Jet flyover at 1,000 feet
100		Motorcycle at 25 feet
90	Moderately loud	Propeller plane flyover at 1,000 feet
80		Diesel truck (40 mph) at 50 feet
70	Loud	B-757 cabin during flight
60	Moderate	Air-conditioner condenser at 15 feet
50	Quiet	Private Office
40		Farm field with light breeze, birdcalls
30	Very quiet	Quiet residential neighborhood
20		Rustling leaves
10	Just audible	--
0	Threshold of hearing	--

Sources:
(1) Adapted from Architectural Acoustics, M. David Egan, 1988
(2) Architectural Graphic Standards, Ramsey and Sleeper, 1994

1.1 Community Noise Exposure Level

Additional sound metrics have been developed to further quantify fluctuating environmental sound levels. The Community Noise Exposure Level ("CNEL") is a sound level metric used to summarize daytime (7:00 am to 7:00 pm), evening (7:00 pm to 10:00 pm), and nighttime (10:00 pm to 7:00 am) noise exposure with a single value. CNEL logarithmically averages sound levels from each time period including a 5-dB penalty during the evening and a 10-dB penalty during nighttime to account for the increased sensitivity to noise exposure during these times. The resulting average is an accurate representation of the sound environment throughout a 24-hour period.

1.2 Exceedance Sound Level Metrics

Sound metrics have been developed to quantify fluctuating environmental sound levels. The exceedance sound level, L_x, is the sound level exceeded during "x" percent of the sampling period. The L_{90} metric is regarded as an accurate tool for measuring relatively constant background noise and for minimizing the influence of isolated spikes in sound levels (i.e., barking dog, door slamming). The L_{10} metric is generally considered the transient sound level, and is the sound level exceeded 10 percent of the time. Similarly, the L_{50} sound level metric is the sound level exceeded 50 percent of the time.

2.0 Applicable Regulations

The following sections discuss state and local regulations applicable to the Project.

2.1 State

2.1.1 CEQA Guidelines

The 2023 CEQA Statue & Guidelines, Appendix G (Environmental Checklist Form), Section XIII Noise requires an analysis of the following potential environmental effects of a project related to noise:

a. *Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

b. *Generation of excessive groundborne vibration or groundborne noise levels?*

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

CEQA checklist Section XIII Noise, questions a and b are applicable to the Project and are discussed in the subsequent chapters of this report. Project activities include both substantial temporary construction noise and permanent operational noise. The Project also includes the potential for groundborne vibration during construction.

The Project site is located more than 2 miles from the nearest public or private airport. Therefore, the Project would have no impact associated with airports or airstrips, and CEQA checklist Section XIII, question c is not evaluated in this study.

2.1.2 California Energy Commission

The California Energy Commission (“CEC”) California Code of Regulations Title 20 Division 2 Article 6 Appendix B provides the environmental information required for an application. In Section g.4 of Appendix B, the CEC requires the following from a noise study submitted for an application:

(A) *A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area potentially impacted by the proposed project is that area where, during either construction or operation, there is a potential increase of 5 dB(A) or more, over existing background levels.*

(B) *A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for a lesser duration at the applicant's discretion, preferably during the same 25-hour period. The results of the noise level measurements shall be reported as hourly averages in Leq (equivalent sound or noise level), Ldn (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A).*

The L10, L50, and L90 values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported in units of dB(A).

(C) A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.

(D) An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.

(E) An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.

(F) The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.

2.2 Local

2.2.1 Solano County General Plan

Solano County General Plan Chapter 5 has sound level standards that were used as guidance for the Project. Table HS-5 provides non-transportation noise standards for residential receiving land use of 55 dBA L_{eq} daytime and 50 dBA L_{eq} nighttime. These sound level standards were used as design goals for the Project operational sound level.

Solano County General Plan Chapter 5 also has guidance for construction noise levels. Section HS.I-62 states that performance standards in Table HS-4 be applied to noise mitigation to reduce construction noise as measured at outdoor activity areas of any affected noise-sensitive land use. Table HS-4 provides a 65 dBA L_{dn} construction sound level limit applicable at all residential land uses.

2.2.2 Solano County Code

In addition to the Solano County General Plan requirements, the Solano County Code Article III Section 28.70.10.B.1.b provides “noise that exceeds 65 dBA at any property line” be prevented. The Project will be compared to 65 dBA at the property line for Project operational sound levels.

2.2.3 Solano County Construction Noise Regulations

Solano County Noise Ordinance Section 28.1-50 provides numeric sound limits and time restrictions for construction noise. The ordinance was noted as “Draft Final” and is not found on the Solano County website list of ordinances. Without verification of the validity of the ordinance, the Solano County Noise Ordinance was not incorporated within this report.

3.0 Environmental Setting

A sound level survey was completed by ICF for the Project site from June 13 to 16, 2023. Burns & McDonnell has summarized the measured sound levels from that study below.

3.1 Noise-Sensitive Receivers

The area immediately surrounding the Project includes scattered agricultural residential land in all directions. Noise-sensitive receivers ("Rec") were identified at six locations in the area surrounding the Project, labeled Rec01 to Rec06. The receivers' name, land use, and distance from the center of the Project site are summarized in Table 3-1. Locations of each noise-sensitive receiver are shown in Figure 3-1.

Table 3-1: Noise-Sensitive Receiver Information

Receiver	Land Use	Approximate Distance from Site (feet)[a]
Rec01	Residential	1,400 feet N
Rec02	Residential	1,700 feet NW
Rec03	Residential	2,700 feet SW
Rec04	Residential	2,200 feet S
Rec05	Residential	2,400 feet SE
Rec06	Residential	3,000 feet NE

(a) Measured from center of Project site.

3.2 Sound Survey

3.2.1 Long-Term Far-Field Measurements

ICF conducted a sound level survey of four (4) long-term sound level meters that is summarized within this section. Measurement points were chosen in accessible locations to best represent the current sound environment of identified noise-sensitive receivers within a 0.5-mile radius of the proposed Project. Full long-term sound level data collected by ICF can be found in Appendix A.

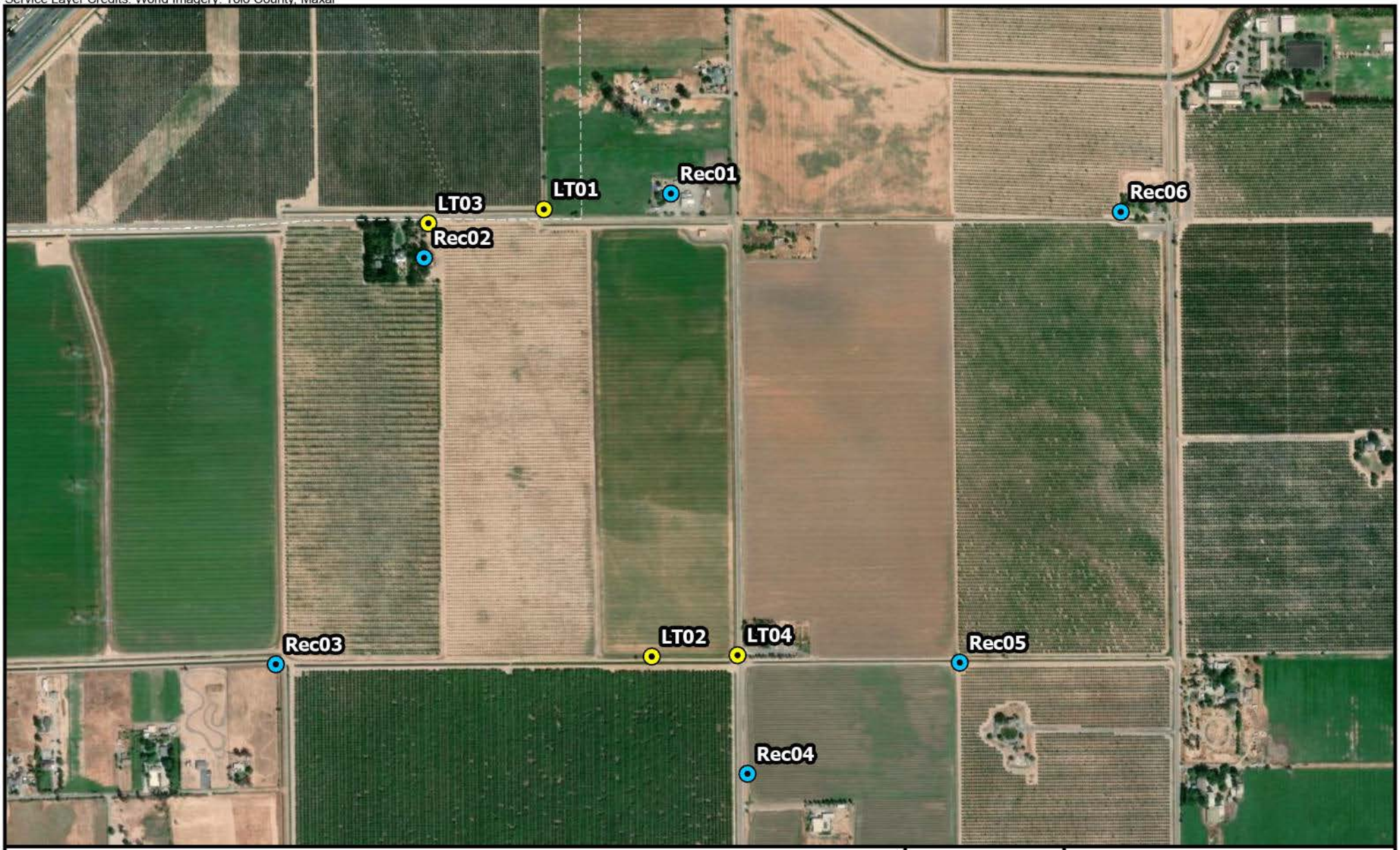
Long-term far-field measurements were taken continuously over a 4-day period and collected data over the entire duration of the sound study. The long-term far-field sound level meters were set up at measurement locations labeled long-term ("LT") LT01 through LT04, as shown in Figure 3-1. The measurement locations were selected because it was representative of the existing sound levels and provided the ability to secure the equipment for unattended operation. The existing CNEL and day-night average sound level ("L_{dn}") was calculated for all sound level monitors as shown in Table 3-2.

Table 3-2: Measurement Survey Summary

Measurement Location		Sound Pressure Level (dBA)				
	Measured Average Daytime L_{eq}	Measured Average Evening L_{eq}	Measured Average Nighttime L_{eq}	Calculated CNEL[a]	Calculated L_{dn}[b]	Quietest 4-Hour L_{90} Average
LT01	52	54	56	62	62	44
LT02	57	55	57	63	63	42
LT03	61	59	59	65	65	43
LT04	64	63	62	69	68	44

(a) Includes a 5-dB penalty for evening hours (7:00 pm to 10:00 pm) and a 10-dB penalty for nighttime hours (10:00 pm to 7:00 am).
(b) Includes a 10-dB penalty for nighttime hours (10:00 pm to 7:00 am) with no evening hour penalty.

Path: G:\Projects\Air-Noise Dept\Project Files\NEXTERA\Corby BESS\GIS\NextEra Corby BESS GIS Project\NextEra Corby BESS GIS Project.aprx rjgurreri 4/29/2024
Service Layer Credits: World Imagery: Yolo County, Maxar



Noise-Sensitive Receiver (Rec)
Long-Term Monitor (LT)

NORTH

800 400 0 800
Scale in Feet

BURNS McDONNELL

Figure 3-1
Corby Energy Storage, LLC
Corby BESS
Receiver and
Measurement Locations

Source: ESRI, Burns & McDonnell

Issued: 4/29/2024

4.0 Predictive Modeling

Project sound and vibration levels associated with temporary construction and permanent operation were modeled at the nearest noise-sensitive receivers in the surrounding community.

4.1 Construction Noise and Vibration

4.1.1 Noise Analysis

Burns & McDonnell estimated the noise levels generated by the Project during each stage of construction. Noise levels for each piece of construction equipment were used to calculate the average hourly A-weighted sound level and the corresponding 24-hour L_{dn} depending on hours of construction. The frequency at which each piece of equipment operates at full power was estimated with daily usage factors. Sound levels and daily usage factors for each piece of equipment are referenced from the Federal Highway Administration ("FHWA") Construction Noise Handbook, 2017. Table 4-1 summarizes the source sound levels and daily usage factors used to calculate construction impacts.

Table 4-1: Construction Equipment Reference Sound Levels

Equipment	Sound Pressure Level at 50 feet (dBA)	Usage Factor
Air Compressor	80	40%
Backhoe	80	40%
Compactor	80	20%
Crane	85	16%
Dozer	85	40%
Excavator	85	40%
Forklift	55	40%
Generator	70	40%
Grader	85	40%
Loader	79	40%
Pump	77	50%
Roller	80	20%
Tractor	84	40%
Water Truck	84	40%
Welder	73	40%

Source: Adapted from *FHWA Construction Noise Handbook, 2017*.

Hourly L_{eq} sound levels for each construction stage were estimated at the nearest receiver, Rec01, located approximately 1,200 feet away from the center of the Project site. The center of the Project site was used to model the construction impacts since construction equipment is commonly located throughout the entire area of the Project site for varying durations. Typical construction stages and associated equipment were estimated for the Project. Actual Project construction schedule may vary but is not expected to exceed the worst-case modeled scenarios. Table 4-2 provides a summary for each

stage including an equipment list, hourly L_{eq} at 50 feet from the Project and the hourly L_{eq} at the nearest receiver, Rec01.

Table 4-2: Estimated Construction Noise by Phase at Nearest Receiver

Phase	Equipment	Hourly L_{eq} at 50 feet	Nearest Receiver and Distance	Hourly L_{eq} at Nearest Receiver
Site Preparation	Loader (2), Tractor (1)	82	Rec01 (1,200 feet)	55
Grading	Compactor (1), Loader (2), Grader (1), Roller (1), Tractor (1), Water Truck (1)	86	Rec01 (1,200 feet)	59
Battery/Container Installation	Compactor (2), Compressor (2), Crane (2), Excavator (2), Forklift (1), Loader (2), Generator (2), Tractor (2)	90	Rec01 (1,200 feet)	62
Gen-tie Site Prep (Orchard Removal)	Dozer (1), Excavator (2), Stump Grinder (1)	86	Rec01 (1,200 feet)	59
Substation Installation	Bore/Drill Rig (1), Compressor (1), Crane (1), Dozer (1), Excavator (1), Forklift (1), Generator (1), Loader (1), Aerial Man Lift (4), Roller (1), Trencher (2), Tractor (1)	90	Rec01 (1,200 feet)	62
Gen-tie Foundations, Tower Erection, and Underground Installation	Bore/Drill Rig (1), Compressor (2), Crane (1), Excavator (1), Forklift (1), Pumps (2), Water Truck (1), Welder (2)	87	Rec01 (1,200 feet)	59
Gen-tie Stringing and Pulling	Aerial Man Lift (2), Tractor (2),	83	Rec01 (1,200 feet)	56

Construction sound levels onsite are expected to exceed 85 dBA and hearing protection should be worn at all times within the project boundary in accordance with OSHA guidelines. To determine the ambient sound level increase at the nearest receiver, the worst-case construction scenarios for the Project construction were calculated using L_{dn}. The worst-case sound exposure for the Project construction is expected to occur while the Battery/Container Installation, Substation Installation, and Gen-tie Foundations stages are occurring simultaneously. All construction equipment for each stage was assumed to be onsite and operational during the duration of the construction day, as a conservative assumption. Project construction hours for all heavy machinery equipment were assumed to be from 7:00 am to 5:00 pm. Other construction activities not involving significant sound exposure may occur outside these hours without increasing the calculated worst-case averages. Table 4-3 provides the worst-case ambient sound level increase over the existing ambient noise at the nearest noise-sensitive receiver.

Table 4-3: Estimated Increase to Ambient Sound Levels due to Worst-Case Construction Noise

Worst-Case Scenario Construction Phase	Nearest Receiver and Distance	Sound Pressure Level L_{dn} (dBA)				
		Individual Phase[a]	Combined Worst-Case Scenario	Existing Ambient	Existing Ambient + Worst-Case	Potential Increase to Ambient
Substation Installation	Rec01 (1200 feet)	58	62	62[b]	65[c]	3
Battery/Container Installation	Rec01 (1200 feet)	58				
Gen-Tie Foundations	Rec01 (1200 feet)	55				

(a) Construction hours for all heavy machinery equipment were modeled from 7:00 am to 5:00 pm. Other construction activities not involving significant sound exposure may occur outside these hours without increasing the calculated worst-case averages
(b) Calculated L_{dn} at LT01 was 62 dBA
(c) Logarithmic addition of the loudest phase sound levels and the existing ambient sound levels

As shown in Table 4-3, Rec01 is expected to see a 3-dBA increase in ambient L_{dn} sound level during the simultaneous Substation Installation, Battery/Container Installation, and Gen-Tie Foundations stages, which is not considered to be significant. The Project is also expected to meet the Solano County General Plan construction sound level limit of 65 dBA L_{dn} at residential land uses. Note that since L_{dn} is a 24-hour average, there may be single events within those 24 hours where sound levels emitted from construction equipment may cause short-term noise increases. Sound levels may vary from results depending on the sources' proximity to noise-sensitive receivers on the site.

4.1.2 Vibration Analysis

Burns & McDonnell estimated the maximum vibration levels during Project construction. Reference vibration levels for each piece of construction equipment were used to calculate the maximum peak particle velocity ("PPV") in inches per second ("in/s"). Vibration levels were referenced from Federal Transit Administration ("FTA") Transit Noise and Vibration Impact Assessment Manual, 2018. Table 4-4 provides the source vibration levels used to calculate construction impacts.

Table 4-4: Construction Equipment Reference Vibration Levels

Equipment	Peak Particle Velocity at 25 feet (in/s)
Air Compressor	--
Backhoe	0.003
Compactor	0.210
Crane	--
Dozer	0.089
Excavator	0.003
Forklift	--
Generator	--
Grader	0.210
Loader	--
Pump	--
Roller	0.210
Tractor	0.076
Welder	--

Source: Adapted from *FTA Transit Noise and Vibration Impact Assessment Manual, 2018*.

The threshold for human perception and annoyance is well below the threshold of damage for normal buildings. Vibration levels above a maximum PPV of 0.01 in/s are considered to be where human perception and annoyance may start to occur. A significant impact will be defined as a vibration source exceeding a PPV of 0.01 in/s for occupied receivers. The maximum vibration levels are expected during the Grading stage. Table 4-5 provides maximum PPV in in/s for the Grading construction stage at Rec01.

Table 4-5: Estimated Worst-Case Vibration at Nearest Receiver

Worst-Case Scenario Construction Phase	Nearest Receiver and Distance	Maximum PPV (in/s)
Grading	Rec01 (1200 feet)	0.003

Vibration levels at Rec01 are not expected to exceed the maximum PPV of 0.01 in/s. Note that vibration levels may vary from results depending on the sources' proximity to sensitive receivers. After construction is completed, the Project is not expected to have a vibration impact while operational.

4.2 Transmission Line Audible Noise

Noise generated by transmission lines typically contributes very little to area noise levels when compared to other common noise sources, such as motor vehicles, aircraft flyovers, and industrial sources. Audible noise from transmission lines occurs primarily during foul weather.

For electric transmission lines, audible noise is relative to conductor (wire) size. Under adverse weather conditions (e.g., very high humidity and storm conditions), these same conductors may emit a slight crackling sound. Noise generated by corona is produced when protrusions on the conductor surface – particularly water droplets on the conductors or dripping off the conductors – cause the electric field intensity at the conductor surface to exceed the breakdown strength of air, producing noise.

Audible noise generated by corona on transmission lines during rainfall is comprised of two components – broadband and low frequency tone. The broadband component has a high frequency content distinguishing it from more common environmental noises. The high frequency content creates the crackling or hissing characteristic of transmission line noise. The noise increase from transmission lines results from the partial electrical breakdown of air around the conductors. In small volumes near the surface of the conductors, energy and heat are dissipated. Part of this energy is in the form of small local pressure changes that result in noise. This noise can be characterized as a hissing, crackling sound; therefore, noise from transmission lines is typically a foul-weather/wet conductor phenomenon. Corona noise levels are not consistent from location to location because conductor surface defects, damage, dust, and other inconsistencies can influence the corona effect. The second component is a low-frequency tone that creates a sound-pressure wave having a frequency twice that of the transmission line, or 120 Hz for a 60-Hz system.

In inclement weather, the potential exists for raindrops or snowflakes to stick to the conductor surface. A wide range of noise levels may occur during a rain event. At the start of rainfall, when the conductors are not entirely wet, a considerable fluctuation in the noise level may occur as the rain intensity varies. When the conductors are thoroughly wet, noise fluctuations are often less.

4.2.1 Estimated New Transmission Line Audible Noise

Empirical equations have been developed by The Bonneville Power Administration (“BPA”) for calculating audible noise from a-c transmission lines. These equations were used to estimate the audible noise generated by the new transmission lines. The calculation estimates total noise based on data from actual field surveys, and laboratory tests. The surveys measured total noise from a variety of transmission lines and conductor combinations. The measured transmission line noise includes both the low frequency hum and corona noise. Therefore, the predictions account for all transmission line generated audible noise.

Based on the BPA equations for calculating audible noise during rainy weather, the noise generated by the transmission lines at the edge of the right-of-way is not expected to exceed 44 dBA for the NEER portion and not to exceed 28 dBA for the PG&E portion of the 230-kV transmission line. The noise generated by the transmission lines during foul weather could potentially be drowned out due to the sound of the rain or wind once outside the right-of-way. Transmission line noise during fair weather conditions would be far less.

4.2.2 Transmission Line Audible Noise Conclusion

During foul weather/wet conditions the Project’s transmission lines could produce modest increases in noise levels at the edges of the right-of-way. This noise would dissipate quickly as distance increases due to the frequency components of the noise generated (higher frequency noise dissipates quickly with distance). While louder levels of audible noise may occur during foul weather, it would generally be masked by the background noise caused by rain and wind.

Sound impacts related to the Project’s transmission lines are expected to be low-level and generate corona sound levels below all local sound level limits.

4.3 Operational Noise

4.3.1 Methodology

Sound modeling was performed using the industry-accepted sound modeling software Computer Aided Noise Abatement ("CadnaA"), version 2023. The software is a scaled, three-dimensional program, which takes into account air absorption, terrain, ground absorption, and reflections and shielding for each piece of noise-emitting equipment and predicts sound pressure levels. The model calculates sound propagation based on International Organization of Standardization ("ISO") 9613-2:1996, General Method of Calculation. ISO 9613-2 assesses the sound level propagation based on the octave band center-frequency range from 31.5 to 8,000 Hz.

The ISO standard considers sound propagation and directivity. The software calculates sound propagation using omnidirectional, downwind sound propagation and worst-case directivity factors. In other words, the model assumes that each piece of equipment propagates its maximum sound level in all directions at all times. Empirical studies accepted within the industry have demonstrated that modeling may over-predict sound levels in certain directions, and as a result, modeling results generally are considered a conservative measure of the Project's actual sound level.

The modeled atmospheric conditions were assumed to be calm, and the temperature and relative humidity were left at the program's default values. Reflections and shielding were considered for sound waves encountering physical structures. Terrain elevations were included in the model to account for surface effects. Ground absorption values can range from 0.0 (fully reflective surface) to 1.0 (fully absorptive surface). Onsite ground absorption was set to 0.3 to account for gravel and offsite ground absorption was set to 1.0 to account for the soft ground cover of the surrounding agricultural land. All sound modeling parameters used are provided in Table 4-6.

Table 4-6: Sound Modeling Parameters

Model Input	Parameter Value
Ground Absorption (Onsite)	0.3
Ground Absorption (Offsite)	1.0
Number of Reflections	2
Receptor Height	5 feet above grade
Temperature	50°F
Humidity	70%

4.4 Project Sound Sources

The main source of operational noise will be the inverters, battery containers with associated HVAC equipment, and transformers. Project sound sources were modeled according to the locations provided in the general arrangement drawing provided in Appendix B. Sound levels for each piece of equipment were provided by the manufacturer as provided below.

Power Electronics provided a noise test, dated October 2021, of the GEN3 inverter with a maximum measured sound level of 73 dBA at 8 meters. CATL provided a noise test of the Ener C+ battery container with a maximum measured sound level of 82 dBA at 1 meter. Specified sound levels were provided by the manufacturers for each substation transformer. Table 4-7 provides the modeled sound source level assumptions for each piece of modeled equipment. For each piece of modeled equipment, a

sound level spectrum was provided by the manufacturer or referenced from equipment of similar size and scope to accurately reflect the frequency characteristics for each source.

Table 4-7: Modeled Source Sound Level Assumptions

Equipment	Number of Sources Modeled	Modeled Sound Pressure Level (dBA)	Modeled Sound Power Level (dBA)
Power Electronics GEN3 Inverter	136	73 dBA at 8 meters	102 dBA L_w
CATL Ener C+ Battery Container HVAC	544	82 dBA at 1 meter	93 dBA L_w
170-MVA Substation Transformer	2	72 dBA at 3 feet	90 dBA L_w
85-MVA Substation Transformer	1	69 dBA at 3 feet	87 dBA L_w
Auxiliary Transformers	17	65 dBA at 3 feet	79 dBA L_w

4.4.1 Project Design Measures

A sound barrier was designed on the north side of the Project. The sound barrier was modeled to be 15 feet in height. The barrier is recommended to be at least 4 lb/ft^2 or a minimum Sound Transmission Class (STC) of STC-27 with no cracks or gaps. The barrier was modeled to be reflective. The sound barrier was designed in conjunction with preliminary equipment sound level assumptions. The sound barrier location is provided in Appendix B.

4.4.2 Scenario 1

Scenario 1 was developed without the sound barrier implemented. The noise model predicted Project sound levels at the six noise-sensitive receivers in the surrounding community. The predicted sound levels were compared to the Solano County nighttime sound level guidance of 50 dBA L_{eq}. Table 4-8 provides the modeled Project sound level compared to the Solano County Code guidance for all noise-sensitive receivers.

Table 4-8: Modeled Sound Level Impacts for Scenario 1

Receiver	Modeled Sound Level (dBA)	Solano County Code Nighttime Guidance (dBA)
Rec01	55	50
Rec02	49	50
Rec03	44	50
Rec04	47	50
Rec05	46	50
Rec06	43	50

Without the sound barrier, Project sound levels at Rec01 are expected to be greater than the Solano Code nighttime sound level guidance. Sound level contours for Scenario 1 are provided as Figure C-1 of Appendix C.

4.4.3 Scenario 2

A second scenario was modeled incorporating the sound barrier. Similarly, to the Scenario 1 model, the noise model predicted Project sound levels at the six noise-sensitive receivers in the surrounding community. The predicted sound levels were compared to the Solano County nighttime sound level guidance of 50 dBA L_{eq}. Table 4-9 provides the modeled Project sound level compared to the Solano County Code guidance for all noise-sensitive receivers.

Table 4-9: Modeled Sound Level Impacts for Scenario 2

Receiver	Modeled Sound Level (dBA)	Solano County Code Nighttime Guidance (dBA)
Rec01	50	50
Rec02	49	50
Rec03	44	50
Rec04	47	50
Rec05	46	50
Rec06	43	50

With incorporation of the sound barrier, Project operational sound levels at all noise-sensitive receivers are predicted to be in compliance with the Solano Code nighttime sound level guidance of 50 dBA at noise-sensitive receivers. The Project operational sound level are also in compliance with 65 dBA at the property line as depicted in Figure C-2 and Figure C-3 of Appendix C. An increase-to-ambient analysis was conducted for the mitigated scenario. Per CEC guidance, Project increase to ambient sound levels were calculated using the quietest 4 hours of the measured L_{90} sound levels in Table 4-10.

Table 4-10: Estimated Increase to Ambient for Scenario 2

Receiver	Modeled Sound Level (dBA)	Quietest 4-Hour L_{90} Average (dBA)	Project + Ambient (dBA)	Estimated Increase to Ambient (dBA)
Rec01	50	44	51	7
Rec02	49	43	50	7
Rec03	44	42	46	4
Rec04	47	44	49	5
Rec05	46	44	48	4
Rec06	43	44	47	3

Scenario 2 has the potential to increase the quietest nighttime sound levels by 3-7 dBA. The Project model assumes that every piece of sound-emitting equipment is operating at full load for the highest ambient temperatures and compared to the quietest 4-hour timeframe in the middle of the night. It is unlikely this scenario would happen due to both the typical full load operations of the facility occurring during the morning and early evening time periods and the rarity of the highest ambient temperatures occurring at night. The typical nighttime sound level is expected to be lower than the worst-case scenario

modeled; therefore, the Project is expected to have a Less Than Significant impact. Sound level contours for Scenario 2 are provided as Figure C-2 of Appendix C.

5.0 Compliance Analysis

Per Appendix G of the CEQA Guidelines, the potential significance of project impacts related to noise and vibration were evaluated for each of the criteria listed below in Table 5-1. Table 5-1 defines each criteria question as a Potentially Significant Impact, Less Than Significant with Mitigation Incorporated, Less Than Significant Impact, or No Impact.

Table 5-1: Appendix G CEQA Checklist for Noise and Vibration

Item	Prompt	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
b)	Generation of excessive groundborne vibration or groundborne noise levels?			X	
c)	For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				X

The following sections describe noise and vibration impacts associated with construction, operation, and maintenance of the Project.

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

The worst-case sound exposure for the Project construction is expected to occur while the Battery/Container Installation, Substation Installation, and Gen-tie Foundations stages are occurring simultaneously. The nearest noise-sensitive receiver is expected to see approximately a 3-dB increase to the ambient environment during this loudest sound exposure phase. All construction equipment for each stage was assumed to be onsite and operational during the duration of the construction day, as a conservative assumption. Construction hours for all heavy machinery equipment were assumed to be from 7:00 am to 5:00 pm. Other construction activities not involving significant sound exposure may occur outside these hours without increasing the calculated worst-case averages.

With the 15-foot sound barrier project design measure implemented, the Project operational noise is expected to be in compliance with Solano County guidance. The Project has the potential to increase the quietest ambient environment by 3-7 dBA. The Project model assumes that every piece of sound-emitting equipment is operating at full load for the highest ambient temperatures and compared to the quietest 4-hour timeframe in the middle of the night. It is unlikely this scenario would happen due to both the typical full load operations of the facility occurring during the morning and early evening time periods and the rarity of the highest ambient temperatures occurring at night. The typical nighttime sound level is expected to be lower than the worst-case scenario modeled; therefore, the Project is expected to have a Less Than Significant impact.

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

The only significant source of vibration resulting from the Project occurs during construction. Vibration levels have been analyzed and are not expected to be disturbing for human perception thresholds or detrimental to nearby structures throughout the duration of construction. Once construction is completed, the Project is not expected to have a significant operational vibration. The Project as a whole is considered to have a Less Than Significant Impact to excessive groundborne vibration or groundborne noise levels.

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

As previously stated, the Project is located more than 2 miles from the nearest public or private airport. Therefore, the Project would have No Impact associated with airports and airstrips.

6.0 Conclusion

Burns & McDonnell conducted a Sound Assessment Study of the Project. The applicable CEQA thresholds and local standards were reviewed to determine if the Project would have significant impacts regarding noise and vibration in the surrounding community.

Burns & McDonnell summarized an ambient sound level survey of the existing environment surrounding the Project conducted by ICF. Measured values were used to establish the existing ambient sound environment for noise-sensitive receivers surrounding the Project. Sound and vibration models were used to calculate the potential for significant impacts to the noise-sensitive receivers in addition to compliance with local standards.

For permanent operation, project design measures include a 15-foot sound barrier along the north site boundary. Temporary construction and vibration levels have been analyzed and are not expected to have a significant impact.

With the 15-foot sound barrier implemented, the Project operational sound levels are expected to be in compliance with Solano County guidance. The Project has the potential to increase the quietest ambient environment by 3-7 dBA. The typical nighttime sound level is expected to be lower than the worst-case scenario modeled; therefore, the Project is expected to have a Less Than Significant impact.

APPENDIX A – LONG-TERM MEASUREMENT DATA

Title: Table 1. Corby BESS - Long-Term Noise Measurement Analysis.
Site ID: LT-1
Location: On tree, northwest of site (38.395997°, -121.909916°)
Start Date: 6/13/2023
End Date: 6/16/2023

Noise Data Calculations, dBA

Time of Day	Value	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Day (7 A.M. - 7 P.M.)	**Min**	47.5	60.9	53.8	50.0	47.0	44.6	42.9	42.0	41.8
	Max	56.8	77.9	67.5	62.3	55.0	53.6	50.2	49.0	48.4
	Avg.	52.3	-	-	-	-	-	-	-	-
Eve (7 P.M. - 10 P.M.)	**Min**	50.1	59.9	53.9	51.7	50.3	49.2	47.2	45.7	45.0
	Max	58.3	71.2	61.2	60.1	59.2	58.1	55.9	54.6	53.5
	Avg.	54.2	-	-	-	-	-	-	-	-
Night (10 P.M. - 7 A.M.)	**Min**	51.5	56.3	54.3	53.1	51.9	51.2	48.8	47.2	46.3
	Max	60.0	77.4	68.7	65.9	58.9	58.1	56.4	55.1	54.3
	Avg.	55.7	-	-	-	-	-	-	-	-
Day (7 A.M. - 10 P.M.)	**Min**	47.5	59.9	53.8	50.0	47.0	44.6	42.9	42.0	41.8
	Max	58.3	77.9	67.5	62.3	59.2	58.1	55.9	54.6	53.5
	Avg.	52.8	-	-	-	-	-	-	-	-
Night (10 P.M. - 7 A.M.)	**Min**	51.5	56.3	54.3	53.1	51.9	51.2	48.8	47.2	46.3
	Max	60.0	77.4	68.7	65.9	58.9	58.1	56.4	55.1	54.3
	Avg.	55.7	-	-	-	-	-	-	-	-

Time of Week	Value	CNEL, dBA	Ldn, dBA
Weekday Only	**Min**	60.8	60.5
	Max	62.9	62.7
	Avg.	61.8	61.6
Weekend Only	**Min**	N/A	N/A
	Max	N/A	N/A
	Avg.	N/A	N/A
Full Week	**Min**	60.8	60.5
	Max	62.9	62.7
	Avg.	61.8	61.6

Noise Measurement Data, dBA - LT-1, On tree, northwest of site (38.395997°, -121.909916°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Tue-06/13/23	2:00:00 PM	52.5	69.7	60.2	56.1	52.6	49.1	45.3	43.9	43.3
Tue-06/13/23	3:00:00 PM	53.7	71.7	63.2	58.4	51.8	48.4	45.6	44.6	43.7
Tue-06/13/23	4:00:00 PM	52.7	68.9	60.2	56.3	52.4	50.1	47.7	46.5	45.8
Tue-06/13/23	5:00:00 PM	53.3	67.5	60.6	56.5	53.2	51.1	48.8	47.6	46.8
Tue-06/13/23	6:00:00 PM	51.6	63.8	58.1	54.8	51.5	49.8	47.7	46.5	45.3
Tue-06/13/23	7:00:00 PM	50.9	71.2	54.8	52.2	50.6	49.6	48.0	46.6	45.5
Tue-06/13/23	8:00:00 PM	52.5	59.9	55.5	54.5	53.5	52.3	49.6	48.5	47.7
Tue-06/13/23	9:00:00 PM	54.5	63.1	57.0	55.9	54.9	54.2	53.1	52.0	51.1
Tue-06/13/23	10:00:00 PM	54.3	61.4	56.7	56.0	54.9	54.0	52.8	52.1	51.3
Tue-06/13/23	11:00:00 PM	54.5	62.0	57.2	55.9	55.0	54.4	52.7	51.1	49.7
Wed-06/14/23	12:00:00 AM	53.4	62.3	56.0	55.0	54.1	53.2	51.6	50.1	49.1
Wed-06/14/23	1:00:00 AM	53.0	63.0	56.1	55.0	53.9	52.7	50.3	48.7	47.3
Wed-06/14/23	2:00:00 AM	51.8	58.2	55.5	54.3	52.7	51.3	48.8	47.2	46.3
Wed-06/14/23	3:00:00 AM	53.1	60.0	55.5	54.5	53.7	52.9	51.2	49.9	48.8
Wed-06/14/23	4:00:00 AM	54.0	60.8	57.4	56.1	54.8	53.4	51.5	50.5	49.5
Wed-06/14/23	5:00:00 AM	58.8	77.4	68.4	58.4	56.4	55.0	51.5	49.3	48.3
Wed-06/14/23	6:00:00 AM	60.0	72.9	68.7	65.9	57.6	54.5	51.3	49.8	48.9
Wed-06/14/23	7:00:00 AM	56.5	72.1	66.8	61.9	51.3	48.7	46.6	45.7	44.9
Wed-06/14/23	8:00:00 AM	53.5	70.3	64.6	56.1	48.1	46.5	45.0	44.2	43.7
Wed-06/14/23	9:00:00 AM	51.5	71.7	59.6	51.5	47.3	45.6	43.7	42.9	42.3
Wed-06/14/23	10:00:00 AM	56.2	71.9	66.4	62.3	50.5	46.9	44.2	43.3	42.7
Wed-06/14/23	11:00:00 AM	52.7	70.2	62.6	55.6	50.6	47.6	44.5	43.5	42.8
Wed-06/14/23	12:00:00 PM	51.7	70.6	59.9	55.1	49.9	47.1	43.9	43.0	42.4
Wed-06/14/23	1:00:00 PM	51.4	68.8	60.6	53.4	49.4	47.2	44.6	43.5	42.9
Wed-06/14/23	2:00:00 PM	52.3	75.3	59.5	53.9	50.0	46.9	43.8	42.6	42.1
Wed-06/14/23	3:00:00 PM	51.7	68.6	60.3	55.7	51.3	48.0	44.4	43.2	42.4
Wed-06/14/23	4:00:00 PM	55.7	77.9	63.7	55.8	51.5	49.4	47.2	45.7	44.2
Wed-06/14/23	5:00:00 PM	56.8	76.8	67.5	58.6	52.0	50.1	48.1	46.9	46.0
Wed-06/14/23	6:00:00 PM	50.0	70.9	56.7	52.1	49.2	47.9	46.4	45.3	44.6
Wed-06/14/23	7:00:00 PM	50.6	69.6	53.9	52.0	50.5	49.4	47.7	46.7	45.7
Wed-06/14/23	8:00:00 PM	53.1	65.9	56.9	55.1	53.8	52.6	50.3	48.5	47.5
Wed-06/14/23	9:00:00 PM	56.2	64.8	58.8	57.7	56.7	56.0	54.5	53.2	51.6
Wed-06/14/23	10:00:00 PM	56.0	60.3	58.5	57.6	56.7	56.0	53.6	51.7	50.1

Noise Measurement Data, dBA - LT-1, On tree, northwest of site (38.395997°, -121.909916°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Wed-06/14/23	11:00:00 PM	53.8	64.0	57.4	55.9	54.6	53.5	50.9	48.6	47.0
Thu-06/15/23	12:00:00 AM	52.0	62.6	55.3	54.1	52.7	51.4	49.4	48.3	47.3
Thu-06/15/23	1:00:00 AM	51.8	58.1	54.5	53.6	52.4	51.5	49.9	48.7	47.5
Thu-06/15/23	2:00:00 AM	51.5	59.2	54.4	53.1	51.9	51.2	49.8	48.2	47.4
Thu-06/15/23	3:00:00 AM	51.7	56.3	54.3	53.4	52.4	51.4	49.8	49.0	47.8
Thu-06/15/23	4:00:00 AM	53.8	66.1	59.0	56.8	54.6	52.9	49.3	48.6	47.6
Thu-06/15/23	5:00:00 AM	58.6	69.4	66.2	62.3	58.1	56.5	54.6	53.4	52.6
Thu-06/15/23	6:00:00 AM	55.4	67.1	58.5	57.4	56.4	55.4	50.8	48.4	47.7
Thu-06/15/23	7:00:00 AM	49.3	72.6	55.2	50.9	48.2	46.7	45.4	44.9	44.4
Thu-06/15/23	8:00:00 AM	48.8	67.1	55.8	51.2	48.2	46.4	44.6	44.1	43.8
Thu-06/15/23	9:00:00 AM	48.6	67.9	55.4	50.3	47.0	45.6	44.3	43.6	43.1
Thu-06/15/23	10:00:00 AM	49.1	68.1	57.2	51.6	47.0	44.6	43.2	42.6	42.4
Thu-06/15/23	11:00:00 AM	47.6	64.9	53.8	50.0	47.0	45.1	43.7	43.1	42.4
Thu-06/15/23	12:00:00 PM	47.6	65.4	54.3	50.1	47.1	45.4	43.4	42.5	42.2
Thu-06/15/23	1:00:00 PM	49.2	65.9	55.8	52.3	49.2	47.2	44.7	43.4	42.7
Thu-06/15/23	2:00:00 PM	47.5	60.9	54.2	51.1	47.6	45.5	43.2	42.3	41.8
Thu-06/15/23	3:00:00 PM	52.1	74.7	62.5	53.7	48.7	45.5	42.9	42.0	41.8
Thu-06/15/23	4:00:00 PM	47.9	64.2	54.9	51.0	47.3	45.2	43.5	42.7	42.4
Thu-06/15/23	5:00:00 PM	48.8	67.3	55.2	50.1	47.8	46.8	45.4	44.3	43.4
Thu-06/15/23	6:00:00 PM	49.2	69.0	54.4	50.9	48.4	47.3	45.8	44.5	43.8
Thu-06/15/23	7:00:00 PM	50.1	70.6	54.1	51.7	50.3	49.2	47.2	45.7	45.0
Thu-06/15/23	8:00:00 PM	54.4	61.2	59.3	57.5	55.5	53.3	50.3	49.3	48.6
Thu-06/15/23	9:00:00 PM	58.3	63.7	61.2	60.1	59.2	58.1	55.9	54.6	53.5
Thu-06/15/23	10:00:00 PM	58.4	67.8	61.0	59.9	58.9	58.1	56.4	55.1	54.3
Thu-06/15/23	11:00:00 PM	57.1	72.2	60.8	58.6	57.3	56.5	54.9	54.0	53.1
Fri-06/16/23	12:00:00 AM	56.4	66.2	60.2	58.1	56.9	55.8	54.1	52.9	51.5
Fri-06/16/23	1:00:00 AM	56.4	75.1	60.0	57.9	56.5	55.3	53.0	50.9	49.9
Fri-06/16/23	2:00:00 AM	55.6	67.8	58.9	57.6	56.2	55.0	53.0	51.6	50.6
Fri-06/16/23	3:00:00 AM	55.5	63.4	58.3	57.2	56.1	55.2	53.7	52.2	50.7
Fri-06/16/23	4:00:00 AM	56.4	64.7	59.1	58.0	57.0	56.1	54.5	53.2	52.1
Fri-06/16/23	5:00:00 AM	56.7	69.8	59.5	58.2	57.2	56.3	54.6	53.4	52.1
Fri-06/16/23	6:00:00 AM	57.5	67.7	59.7	58.8	58.0	57.3	56.0	54.8	54.0
Fri-06/16/23	7:00:00 AM	53.9	68.9	57.1	56.2	55.0	53.6	50.2	49.0	48.4

Noise Measurement Data, dBA - LT-1, On tree, northwest of site (38.395997°, -121.909916°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Fri-06/16/23	8:00:00 AM	52.0	68.1	58.4	54.7	51.6	50.4	48.6	47.1	46.4

Title: Table 2. Corby BESS - Long-Term Noise Measurement Analysis.
Site ID: LT-2
Location: Telephone Pole, south of Project site (38.387986°, -121.907481°)
Start Date: 6/13/2023
End Date: 6/16/2023

Noise Data Calculations, dBA

Time of Day	Value	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Day (7 A.M. - 7 P.M.)	**Min**	46.0	62.0	51.0	47.8	45.3	43.2	41.1	40.4	40.1
	Max	69.4	84.9	78.8	74.3	68.2	61.9	54.7	53.3	52.5
	Avg.	57.2	-	-	-	-	-	-	-	-
Eve (7 P.M. - 10 P.M.)	**Min**	50.0	58.3	55.9	51.7	48.7	47.5	45.9	44.9	43.8
	Max	58.4	72.4	61.5	60.3	59.3	58.1	55.4	54.0	53.3
	Avg.	55.1	-	-	-	-	-	-	-	-
Night (10 P.M. - 7 A.M.)	**Min**	49.9	58.1	54.3	51.2	50.2	49.3	47.8	46.5	44.6
	Max	61.3	79.8	65.1	63.0	62.0	61.1	59.4	58.4	57.7
	Avg.	56.5	-	-	-	-	-	-	-	-
Day (7 A.M. - 10 P.M.)	**Min**	46.0	58.3	51.0	47.8	45.3	43.2	41.1	40.4	40.1
	Max	69.4	84.9	78.8	74.3	68.2	61.9	55.4	54.0	53.3
	Avg.	56.8	-	-	-	-	-	-	-	-
Night (10 P.M. - 7 A.M.)	**Min**	49.9	58.1	54.3	51.2	50.2	49.3	47.8	46.5	44.6
	Max	61.3	79.8	65.1	63.0	62.0	61.1	59.4	58.4	57.7
	Avg.	56.5	-	-	-	-	-	-	-	-

Time of Week	Value	CNEL, dBA	Ldn, dBA
Weekday Only	**Min**	61.7	61.4
	Max	64.2	64.1
	Avg.	62.8	62.6
Weekend Only	**Min**	N/A	N/A
	Max	N/A	N/A
	Avg.	N/A	N/A
Full Week	**Min**	61.7	61.4
	Max	64.2	64.1
	Avg.	62.8	62.6

Noise Measurement Data, dBA - LT-2, Telephone Pole, south of Project site (38.387986°, -121.907481°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Tue-06/13/23	2:00:00 PM	50.7	69.4	59.3	54.0	49.5	46.4	43.4	42.5	42.1
Tue-06/13/23	3:00:00 PM	51.1	68.6	59.5	54.6	50.2	47.1	43.9	42.7	42.1
Tue-06/13/23	4:00:00 PM	53.2	70.7	63.4	56.1	50.9	47.9	44.4	43.2	42.0
Tue-06/13/23	5:00:00 PM	54.7	75.0	64.1	58.0	52.3	49.0	46.1	45.2	44.6
Tue-06/13/23	6:00:00 PM	51.4	74.1	59.4	54.1	49.9	47.9	46.0	44.9	44.3
Tue-06/13/23	7:00:00 PM	50.0	67.7	56.6	51.7	48.7	47.5	46.0	45.2	44.5
Tue-06/13/23	8:00:00 PM	52.3	63.1	55.9	54.7	53.1	51.4	49.2	47.8	47.1
Tue-06/13/23	9:00:00 PM	56.2	65.7	58.9	57.9	57.0	55.8	54.0	52.7	51.4
Tue-06/13/23	10:00:00 PM	57.3	61.0	58.8	58.3	57.8	57.3	56.1	54.4	52.6
Tue-06/13/23	11:00:00 PM	57.9	65.8	61.4	60.1	58.6	57.3	55.5	54.0	52.8
Wed-06/14/23	12:00:00 AM	56.3	66.7	60.5	58.8	57.1	55.7	53.1	51.1	48.9
Wed-06/14/23	1:00:00 AM	52.2	66.7	56.1	54.1	52.7	51.4	49.3	46.8	44.6
Wed-06/14/23	2:00:00 AM	53.1	64.8	57.0	55.6	54.0	52.3	50.0	48.5	47.0
Wed-06/14/23	3:00:00 AM	54.7	69.0	58.4	56.8	55.5	54.1	51.2	49.5	47.3
Wed-06/14/23	4:00:00 AM	57.4	63.8	61.3	60.2	58.2	56.9	53.8	52.0	50.9
Wed-06/14/23	5:00:00 AM	57.0	75.3	59.5	58.3	57.2	56.3	54.6	53.6	52.5
Wed-06/14/23	6:00:00 AM	58.5	79.8	62.7	59.5	57.9	56.5	52.5	50.4	49.3
Wed-06/14/23	7:00:00 AM	52.7	71.9	58.6	54.0	51.8	50.1	47.5	46.1	45.6
Wed-06/14/23	8:00:00 AM	50.1	72.5	54.6	50.0	47.9	46.6	45.3	44.6	44.2
Wed-06/14/23	9:00:00 AM	52.8	72.1	62.5	52.3	47.3	45.4	43.9	43.0	42.7
Wed-06/14/23	10:00:00 AM	46.1	66.1	51.0	47.8	45.3	44.2	43.3	42.8	42.6
Wed-06/14/23	11:00:00 AM	46.3	65.1	52.1	48.4	45.8	44.4	43.2	42.4	42.2
Wed-06/14/23	12:00:00 PM	49.0	69.3	57.1	51.2	46.8	44.2	42.4	41.8	41.6
Wed-06/14/23	1:00:00 PM	49.4	69.0	58.2	51.5	47.3	45.1	42.9	41.9	41.5
Wed-06/14/23	2:00:00 PM	49.7	73.8	55.3	51.7	48.1	44.9	41.5	40.6	40.3
Wed-06/14/23	3:00:00 PM	49.0	65.6	55.4	52.2	49.2	46.7	43.6	42.2	41.4
Wed-06/14/23	4:00:00 PM	49.2	64.8	55.2	52.3	49.4	47.3	45.0	43.6	42.4
Wed-06/14/23	5:00:00 PM	51.8	69.8	61.1	53.5	50.0	48.5	46.6	44.5	43.3
Wed-06/14/23	6:00:00 PM	49.8	65.9	57.8	52.8	48.5	46.8	45.4	44.5	43.5
Wed-06/14/23	7:00:00 PM	52.5	67.3	57.7	55.0	53.3	51.3	47.9	46.8	46.0
Wed-06/14/23	8:00:00 PM	56.2	65.6	59.3	58.0	56.8	55.9	54.0	52.1	50.7
Wed-06/14/23	9:00:00 PM	58.4	70.1	61.5	60.3	59.3	58.1	55.1	54.0	53.3
Wed-06/14/23	10:00:00 PM	57.1	63.4	59.7	58.7	57.7	56.9	55.4	53.9	53.2

Noise Measurement Data, dBA - LT-2, Telephone Pole, south of Project site (38.387986°, -121.907481°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Wed-06/14/23	11:00:00 PM	55.4	70.3	58.2	57.2	56.1	55.1	52.7	51.3	49.9
Thu-06/15/23	12:00:00 AM	53.7	63.0	57.8	56.0	54.3	53.1	50.7	49.3	48.1
Thu-06/15/23	1:00:00 AM	52.1	58.4	56.1	54.9	53.1	51.3	49.0	47.7	46.5
Thu-06/15/23	2:00:00 AM	49.9	61.4	54.3	51.2	50.2	49.3	47.8	46.5	45.2
Thu-06/15/23	3:00:00 AM	52.4	58.1	56.6	55.3	53.5	51.5	48.7	46.8	45.9
Thu-06/15/23	4:00:00 AM	54.9	72.3	59.5	57.9	55.8	54.2	48.2	47.1	46.6
Thu-06/15/23	5:00:00 AM	58.3	69.6	62.7	61.0	59.1	57.4	55.1	52.1	51.1
Thu-06/15/23	6:00:00 AM	59.0	72.9	65.1	60.8	59.3	57.8	54.7	53.1	51.9
Thu-06/15/23	7:00:00 AM	52.8	71.3	59.6	53.1	51.1	49.9	48.4	47.5	47.1
Thu-06/15/23	8:00:00 AM	54.4	75.1	63.1	54.7	50.7	48.9	47.4	46.6	46.0
Thu-06/15/23	9:00:00 AM	48.0	66.8	54.1	50.3	47.8	46.6	44.7	44.1	43.6
Thu-06/15/23	10:00:00 AM	56.0	74.3	66.0	61.5	52.3	46.2	43.4	43.0	42.8
Thu-06/15/23	11:00:00 AM	69.4	84.9	78.8	74.3	68.2	61.9	52.6	47.4	46.6
Thu-06/15/23	12:00:00 PM	61.8	75.3	69.3	66.5	62.0	58.5	52.5	50.5	49.2
Thu-06/15/23	1:00:00 PM	54.2	65.1	60.0	57.4	55.1	52.8	49.3	47.0	44.5
Thu-06/15/23	2:00:00 PM	50.1	69.0	56.7	53.2	49.9	45.4	41.4	40.8	40.5
Thu-06/15/23	3:00:00 PM	46.0	64.6	52.7	49.5	45.9	43.2	41.1	40.4	40.1
Thu-06/15/23	4:00:00 PM	46.5	62.0	52.7	49.7	46.8	44.2	41.9	41.1	40.7
Thu-06/15/23	5:00:00 PM	50.4	68.6	60.2	51.5	47.3	44.4	42.2	41.5	41.0
Thu-06/15/23	6:00:00 PM	48.3	70.2	53.0	49.0	45.8	44.4	42.6	41.7	41.3
Thu-06/15/23	7:00:00 PM	51.7	72.4	58.2	53.0	50.1	48.1	45.9	44.9	43.8
Thu-06/15/23	8:00:00 PM	53.2	58.3	56.3	55.4	54.2	53.1	49.3	47.7	46.8
Thu-06/15/23	9:00:00 PM	57.6	61.4	60.0	59.3	58.4	57.5	55.4	53.6	53.0
Thu-06/15/23	10:00:00 PM	56.0	62.8	58.7	57.8	56.6	55.6	54.2	53.4	52.7
Thu-06/15/23	11:00:00 PM	55.3	66.6	59.6	56.9	55.6	54.8	52.8	51.1	50.1
Fri-06/16/23	12:00:00 AM	54.1	71.8	59.7	55.6	54.0	53.0	51.1	50.1	48.7
Fri-06/16/23	1:00:00 AM	53.9	71.6	59.2	55.0	53.6	52.4	50.5	49.2	47.8
Fri-06/16/23	2:00:00 AM	52.3	63.0	55.7	54.5	53.0	51.7	49.9	48.6	47.1
Fri-06/16/23	3:00:00 AM	53.9	58.7	56.6	55.7	54.7	53.7	51.5	50.3	49.0
Fri-06/16/23	4:00:00 AM	57.6	72.0	61.9	60.0	58.1	56.6	54.1	53.0	52.1
Fri-06/16/23	5:00:00 AM	60.4	74.1	63.2	62.0	60.7	59.8	58.2	56.8	56.1
Fri-06/16/23	6:00:00 AM	61.3	70.3	63.8	63.0	62.0	61.1	59.4	58.4	57.7
Fri-06/16/23	7:00:00 AM	62.8	79.8	70.8	66.0	62.4	58.9	54.7	53.3	52.5

Noise Measurement Data, dBA - LT-2, Telephone Pole, south of Project site (38.387986°, -121.907481°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Fri-06/16/23	8:00:00 AM	55.5	74.5	60.4	56.3	54.4	53.3	51.8	50.9	50.2

Title: Table 3. Corby BESS - Long-Term Noise Measurement Analysis.
Site ID: LT-3
Location: Telephone Pole, northwest of Project site (38.395410°, -121.912033°)
Start Date: 6/13/2023
End Date: 6/16/2023

		Noise Data Calculations, dBA								
Time of Day	**Value**	**Leq**	**Lmax**	**L02**	**L08**	**L25**	**L50**	**L90**	**L99**	**Lmin**
Day (7 A.M. - 7 P.M.)	**Min**	55.9	78.0	63.2	52.2	46.6	43.3	41.9	41.5	41.1
	Max	65.1	93.6	74.3	63.6	57.0	55.3	53.2	51.5	50.9
	Avg.	61.0	-	-	-	-	-	-	-	-
Eve (7 P.M. - 10 P.M.)	**Min**	56.8	76.0	62.8	53.2	51.8	50.9	48.6	47.1	46.4
	Max	61.9	85.4	67.6	64.0	62.6	61.2	58.9	57.4	55.6
	Avg.	59.4	-	-	-	-	-	-	-	-
Night (10 P.M. - 7 A.M.)	**Min**	51.1	58.7	54.6	53.3	51.7	50.6	48.6	46.2	44.6
	Max	63.2	89.3	69.4	65.2	63.1	61.7	59.5	57.9	57.0
	Avg.	59.1	-	-	-	-	-	-	-	-
Day (7 A.M. - 10 P.M.)	**Min**	55.9	76.0	62.8	52.2	46.6	43.3	41.9	41.5	41.1
	Max	65.1	93.6	74.3	64.0	62.6	61.2	58.9	57.4	55.6
	Avg.	60.7	-	-	-	-	-	-	-	-
Night (10 P.M. - 7 A.M.)	**Min**	51.1	58.7	54.6	53.3	51.7	50.6	48.6	46.2	44.6
	Max	63.2	89.3	69.4	65.2	63.1	61.7	59.5	57.9	57.0
	Avg.	59.1	-	-	-	-	-	-	-	-

Time of Week	**Value**	**CNEL, dBA**	**Ldn, dBA**
Weekday Only	**Min**	64.6	64.3
	Max	67.8	67.6
	Avg.	65.7	65.4
Weekend Only	**Min**	N/A	N/A
	Max	N/A	N/A
	Avg.	N/A	N/A
Full Week	**Min**	64.6	64.3
	Max	67.8	67.6
	Avg.	65.7	65.4

Noise Measurement Data, dBA - LT-3, Telephone Pole, northwest of Project site (38.395410°, -121.912033°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Tue-06/13/23	2:00:00 PM	60.3	81.6	71.6	60.2	50.4	47.3	45.1	44.0	43.6
Tue-06/13/23	3:00:00 PM	63.9	90.6	74.3	63.6	51.1	48.2	46.2	45.1	44.3
Tue-06/13/23	4:00:00 PM	62.1	85.6	73.0	60.3	53.6	51.7	49.4	48.3	47.1
Tue-06/13/23	5:00:00 PM	59.3	80.5	69.0	58.1	54.5	53.0	51.1	49.6	48.5
Tue-06/13/23	6:00:00 PM	60.7	84.4	70.8	58.4	53.3	52.0	50.2	48.9	48.1
Tue-06/13/23	7:00:00 PM	58.5	80.7	67.2	56.1	53.6	52.1	50.1	48.9	48.2
Tue-06/13/23	8:00:00 PM	58.3	81.6	63.5	58.0	56.1	54.7	51.7	50.5	49.8
Tue-06/13/23	9:00:00 PM	58.0	76.0	62.8	59.2	57.4	56.2	54.1	51.5	49.4
Tue-06/13/23	10:00:00 PM	58.7	84.0	62.4	59.8	57.6	55.4	52.5	50.8	49.5
Tue-06/13/23	11:00:00 PM	56.1	83.3	57.7	55.2	53.9	52.9	51.1	49.8	48.7
Wed-06/14/23	12:00:00 AM	53.3	62.2	58.6	56.4	53.9	52.3	50.0	48.0	46.4
Wed-06/14/23	1:00:00 AM	55.3	67.8	60.5	58.7	56.2	54.0	49.8	47.0	45.5
Wed-06/14/23	2:00:00 AM	54.0	64.8	60.1	57.7	54.7	52.1	48.6	46.2	44.6
Wed-06/14/23	3:00:00 AM	53.1	62.5	58.2	55.9	53.7	51.9	49.4	47.5	45.5
Wed-06/14/23	4:00:00 AM	56.0	76.5	61.2	59.1	55.6	53.4	50.2	48.4	47.5
Wed-06/14/23	5:00:00 AM	59.8	76.9	64.3	62.5	60.8	59.1	51.9	50.8	49.7
Wed-06/14/23	6:00:00 AM	59.7	80.1	64.8	61.1	59.5	57.9	50.9	49.4	48.8
Wed-06/14/23	7:00:00 AM	58.5	83.2	64.5	52.8	50.6	49.6	48.3	47.6	46.6
Wed-06/14/23	8:00:00 AM	61.3	84.6	71.8	60.0	48.3	47.1	45.6	44.8	44.4
Wed-06/14/23	9:00:00 AM	63.6	93.4	72.3	59.8	46.9	45.0	43.9	43.5	43.3
Wed-06/14/23	10:00:00 AM	62.9	92.2	71.9	59.4	46.7	45.2	44.2	43.7	43.1
Wed-06/14/23	11:00:00 AM	61.4	85.7	71.5	57.6	46.8	45.3	44.1	43.5	43.0
Wed-06/14/23	12:00:00 PM	63.3	88.8	73.4	60.5	47.6	45.1	43.6	43.0	42.6
Wed-06/14/23	1:00:00 PM	60.4	83.7	71.0	57.1	46.7	44.8	43.5	42.9	42.6
Wed-06/14/23	2:00:00 PM	65.1	93.6	73.4	62.0	47.1	44.3	42.7	42.1	41.9
Wed-06/14/23	3:00:00 PM	60.0	82.5	71.5	56.8	47.0	45.1	43.6	42.8	42.1
Wed-06/14/23	4:00:00 PM	62.5	89.2	72.5	58.4	49.7	48.5	46.7	44.7	44.1
Wed-06/14/23	5:00:00 PM	57.5	79.4	66.1	54.2	51.9	50.8	49.0	48.0	47.0
Wed-06/14/23	6:00:00 PM	59.5	84.9	68.4	58.9	51.5	49.8	47.8	46.8	46.4
Wed-06/14/23	7:00:00 PM	56.8	82.7	63.5	53.2	51.8	50.9	49.3	47.8	46.8
Wed-06/14/23	8:00:00 PM	60.2	85.4	67.6	59.2	56.6	54.9	51.7	49.8	48.9
Wed-06/14/23	9:00:00 PM	60.5	84.3	63.9	61.4	59.7	58.3	56.2	54.3	52.8
Wed-06/14/23	10:00:00 PM	58.3	78.2	62.6	60.6	58.6	56.9	54.0	52.3	50.7

Noise Measurement Data, dBA - LT-3, Telephone Pole, northwest of Project site (38.395410°, -121.912033°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Wed-06/14/23	11:00:00 PM	56.9	77.3	61.4	59.5	57.5	55.6	52.5	50.5	49.0
Thu-06/15/23	12:00:00 AM	55.9	64.8	60.6	59.0	57.0	55.0	51.4	48.6	47.5
Thu-06/15/23	1:00:00 AM	54.8	63.0	59.6	57.8	55.8	54.0	50.7	48.3	47.0
Thu-06/15/23	2:00:00 AM	51.1	58.7	54.6	53.3	51.7	50.6	48.6	47.2	46.0
Thu-06/15/23	3:00:00 AM	54.5	76.5	57.7	56.1	54.4	52.6	49.7	48.4	47.7
Thu-06/15/23	4:00:00 AM	57.1	78.8	63.1	60.1	57.4	55.1	49.1	47.9	47.1
Thu-06/15/23	5:00:00 AM	62.4	73.1	69.4	65.2	62.6	60.8	58.3	56.8	54.9
Thu-06/15/23	6:00:00 AM	61.1	81.6	64.3	62.3	60.8	59.4	53.6	51.5	50.4
Thu-06/15/23	7:00:00 AM	56.5	81.3	63.8	53.4	50.9	48.9	46.9	46.1	45.6
Thu-06/15/23	8:00:00 AM	61.1	87.9	70.6	58.0	48.6	47.2	46.0	45.5	44.9
Thu-06/15/23	9:00:00 AM	55.9	78.0	64.6	56.1	49.4	47.2	45.5	44.6	44.2
Thu-06/15/23	10:00:00 AM	58.9	83.3	69.1	57.3	48.8	46.1	44.4	43.6	43.2
Thu-06/15/23	11:00:00 AM	58.1	84.5	68.1	52.4	46.8	45.6	43.9	43.2	42.9
Thu-06/15/23	12:00:00 PM	58.7	85.5	67.2	52.2	46.6	45.4	44.0	43.4	43.1
Thu-06/15/23	1:00:00 PM	60.6	88.6	69.1	54.0	47.5	46.1	44.3	43.4	42.8
Thu-06/15/23	2:00:00 PM	62.0	82.3	73.8	62.7	48.0	44.5	42.6	42.0	41.5
Thu-06/15/23	3:00:00 PM	63.2	90.1	74.3	63.3	47.0	43.3	41.9	41.5	41.1
Thu-06/15/23	4:00:00 PM	61.4	83.2	73.0	62.9	49.1	45.8	43.3	42.4	41.9
Thu-06/15/23	5:00:00 PM	57.9	80.1	68.3	53.9	49.9	48.6	47.0	45.7	45.0
Thu-06/15/23	6:00:00 PM	55.9	78.9	63.2	53.2	50.5	49.4	47.6	46.4	45.7
Thu-06/15/23	7:00:00 PM	58.2	82.8	66.5	55.5	53.4	51.8	48.6	47.1	46.4
Thu-06/15/23	8:00:00 PM	59.8	80.7	64.3	62.8	59.7	57.1	53.5	52.1	51.0
Thu-06/15/23	9:00:00 PM	61.9	76.4	65.2	64.0	62.6	61.2	58.9	57.4	55.6
Thu-06/15/23	10:00:00 PM	62.5	82.6	65.8	64.3	63.0	61.7	59.5	57.7	55.6
Thu-06/15/23	11:00:00 PM	62.7	76.8	67.4	64.5	63.1	61.6	59.4	57.8	55.6
Fri-06/16/23	12:00:00 AM	63.2	89.3	64.9	62.3	60.6	59.3	56.9	54.5	52.2
Fri-06/16/23	1:00:00 AM	58.3	72.6	63.1	61.1	59.1	57.4	53.8	50.9	48.9
Fri-06/16/23	2:00:00 AM	59.7	84.4	63.3	61.4	59.3	57.7	55.0	51.9	49.6
Fri-06/16/23	3:00:00 AM	59.5	65.4	63.1	61.9	60.5	59.0	56.4	53.9	52.2
Fri-06/16/23	4:00:00 AM	59.7	79.9	63.9	61.6	59.6	58.1	55.4	53.3	51.6
Fri-06/16/23	5:00:00 AM	60.8	81.6	63.4	62.1	61.1	60.1	57.9	55.4	54.4
Fri-06/16/23	6:00:00 AM	61.7	78.1	65.1	63.1	61.7	60.7	58.8	57.9	57.0
Fri-06/16/23	7:00:00 AM	59.7	80.6	67.8	59.7	57.0	55.3	53.2	51.5	50.9

Noise Measurement Data, dBA - LT-3, Telephone Pole, northwest of Project site (38.395410°, -121.912033°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Fri-06/16/23	8:00:00 AM	58.7	83.1	65.3	56.1	52.9	51.7	50.3	49.2	48.4

Title: Table 4. Corby BESS - Long-Term Noise Measurement Analysis.
Site ID: LT-4
Location: Telephone Pole, Southeast of Project site (38.387980°, -121.906167°)
Start Date: 6/13/2023
End Date: 6/16/2023

		Noise Data Calculations, dBA								
Time of Day	**Value**	**Leq**	**Lmax**	**L02**	**L08**	**L25**	**L50**	**L90**	**L99**	**Lmin**
Day (7 A.M. - 7 P.M.)	**Min**	59.6	80.0	70.5	59.1	51.1	47.2	43.4	42.0	41.6
	Max	69.4	89.8	78.8	73.9	68.3	62.2	54.6	53.0	52.2
	Avg.	64.3	-	-	-	-	-	-	-	-
Eve (7 P.M. - 10 P.M.)	**Min**	58.7	77.4	67.8	57.0	51.0	49.0	46.9	45.8	45.2
	Max	66.7	86.0	72.0	69.0	68.0	66.8	59.6	56.1	55.0
	Avg.	63.1	-	-	-	-	-	-	-	-
Night (10 P.M. - 7 A.M.)	**Min**	51.6	61.0	55.4	53.5	51.0	49.9	47.9	46.6	45.6
	Max	68.0	94.2	78.6	71.5	68.2	66.5	58.6	57.3	56.4
	Avg.	62.2	-	-	-	-	-	-	-	-
Day (7 A.M. - 10 P.M.)	**Min**	58.7	77.4	67.8	57.0	51.0	47.2	43.4	42.0	41.6
	Max	69.4	89.8	78.8	73.9	68.3	66.8	59.6	56.1	55.0
	Avg.	64.1	-	-	-	-	-	-	-	-
Night (10 P.M. - 7 A.M.)	**Min**	51.6	61.0	55.4	53.5	51.0	49.9	47.9	46.6	45.6
	Max	68.0	94.2	78.6	71.5	68.2	66.5	58.6	57.3	56.4
	Avg.	62.2	-	-	-	-	-	-	-	-

Time of Week	**Value**	**CNEL, dBA**	**Ldn, dBA**
Weekday Only	**Min**	68.7	68.4
	Max	69.6	69.3
	Avg.	69.4	69.1
Weekend Only	**Min**	N/A	N/A
	Max	N/A	N/A
	Avg.	N/A	N/A
Full Week	**Min**	68.7	68.4
	Max	69.6	69.3
	Avg.	69.4	69.1

Noise Measurement Data, dBA - LT-4, Telephone Pole, Southeast of Project site (38.387980°, -121.906167°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Tue-06/13/23	2:00:00 PM	64.1	81.2	75.0	68.4	60.0	54.6	46.5	44.4	43.4
Tue-06/13/23	3:00:00 PM	65.6	89.8	75.5	69.7	60.0	53.3	45.8	43.7	42.8
Tue-06/13/23	4:00:00 PM	64.7	81.1	75.3	70.7	59.7	53.0	46.6	44.6	43.5
Tue-06/13/23	5:00:00 PM	63.4	81.6	74.6	67.1	58.1	52.6	47.6	46.3	45.4
Tue-06/13/23	6:00:00 PM	59.8	82.3	70.5	60.0	54.1	50.5	47.5	46.5	45.9
Tue-06/13/23	7:00:00 PM	58.7	79.7	70.1	57.0	51.0	49.0	46.9	46.0	45.5
Tue-06/13/23	8:00:00 PM	60.7	86.0	69.5	59.5	55.7	53.9	50.7	49.3	48.0
Tue-06/13/23	9:00:00 PM	66.7	79.8	69.7	69.0	68.0	66.8	59.5	54.6	53.3
Tue-06/13/23	10:00:00 PM	66.5	79.8	70.3	69.2	68.2	66.5	57.3	53.9	52.9
Tue-06/13/23	11:00:00 PM	63.8	80.6	68.6	67.6	65.7	61.0	56.3	54.2	53.0
Wed-06/14/23	12:00:00 AM	60.0	81.6	66.6	63.2	59.5	57.6	54.1	52.3	49.8
Wed-06/14/23	1:00:00 AM	56.2	69.4	61.1	60.0	57.8	54.0	50.4	48.1	46.0
Wed-06/14/23	2:00:00 AM	53.9	61.5	59.5	57.1	54.4	52.5	50.4	49.4	48.7
Wed-06/14/23	3:00:00 AM	55.2	77.6	58.0	56.6	55.1	53.5	50.8	49.6	48.8
Wed-06/14/23	4:00:00 AM	58.8	82.7	61.2	59.3	57.6	55.8	53.6	52.2	51.3
Wed-06/14/23	5:00:00 AM	61.0	81.0	69.5	59.7	57.5	56.3	54.7	53.8	53.1
Wed-06/14/23	6:00:00 AM	68.0	90.5	78.6	71.5	60.3	57.9	53.9	51.6	50.6
Wed-06/14/23	7:00:00 AM	65.5	83.3	76.8	70.1	55.7	51.2	47.3	45.8	45.2
Wed-06/14/23	8:00:00 AM	63.5	81.9	75.2	67.1	52.6	47.8	45.5	44.7	44.3
Wed-06/14/23	9:00:00 AM	63.3	82.9	75.2	65.8	52.0	47.3	44.8	43.8	43.4
Wed-06/14/23	10:00:00 AM	61.1	81.2	73.2	60.9	51.1	47.2	44.4	43.7	43.1
Wed-06/14/23	11:00:00 AM	59.6	81.2	70.6	59.1	52.1	47.9	44.6	43.7	43.2
Wed-06/14/23	12:00:00 PM	63.2	88.0	73.9	63.8	54.6	50.0	44.4	43.1	42.6
Wed-06/14/23	1:00:00 PM	62.2	81.9	73.1	65.5	57.6	51.9	45.6	43.7	42.7
Wed-06/14/23	2:00:00 PM	64.1	85.0	74.9	67.8	58.9	53.0	44.7	42.4	42.0
Wed-06/14/23	3:00:00 PM	64.2	81.3	74.9	69.6	59.9	52.5	44.7	43.0	41.8
Wed-06/14/23	4:00:00 PM	65.3	81.4	75.7	71.2	59.6	53.1	47.4	44.7	43.2
Wed-06/14/23	5:00:00 PM	63.0	81.2	74.1	66.5	56.7	52.4	48.9	47.0	45.7
Wed-06/14/23	6:00:00 PM	60.4	82.9	71.7	59.9	53.6	50.2	47.3	46.3	45.3
Wed-06/14/23	7:00:00 PM	59.5	81.0	68.6	58.1	55.5	53.3	49.6	48.0	46.4
Wed-06/14/23	8:00:00 PM	60.8	79.8	69.7	60.0	58.3	57.3	55.5	53.9	52.9
Wed-06/14/23	9:00:00 PM	66.5	81.3	69.1	68.5	67.7	66.8	58.8	56.1	55.0
Wed-06/14/23	10:00:00 PM	65.8	78.8	69.4	68.4	67.4	65.8	56.1	54.2	53.3

Noise Measurement Data, dBA - LT-4, Telephone Pole, Southeast of Project site (38.387980°, -121.906167°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Wed-06/14/23	11:00:00 PM	62.7	77.6	67.7	66.4	64.4	60.9	54.3	52.3	50.6
Thu-06/15/23	12:00:00 AM	60.4	77.6	66.2	63.6	61.0	59.2	53.8	51.4	49.3
Thu-06/15/23	1:00:00 AM	56.6	63.6	61.3	60.2	58.4	55.2	50.4	48.7	47.9
Thu-06/15/23	2:00:00 AM	51.6	61.0	58.1	55.5	51.0	49.9	48.3	47.1	46.0
Thu-06/15/23	3:00:00 AM	54.0	80.5	55.4	53.5	51.8	50.2	48.1	46.6	45.6
Thu-06/15/23	4:00:00 AM	56.9	82.8	58.6	56.8	55.1	53.6	47.9	47.0	46.4
Thu-06/15/23	5:00:00 AM	61.7	83.0	70.8	60.4	58.6	57.0	54.7	52.1	51.5
Thu-06/15/23	6:00:00 AM	67.6	88.8	78.2	71.1	60.7	58.4	55.3	54.1	53.3
Thu-06/15/23	7:00:00 AM	65.4	84.1	76.9	69.6	54.7	50.6	48.4	47.4	46.9
Thu-06/15/23	8:00:00 AM	64.3	82.5	75.5	69.0	57.2	50.5	47.6	46.7	46.2
Thu-06/15/23	9:00:00 AM	64.3	86.9	75.6	67.0	51.2	47.2	45.1	44.5	44.0
Thu-06/15/23	10:00:00 AM	68.9	88.0	78.8	73.9	61.8	51.5	44.4	43.5	43.1
Thu-06/15/23	11:00:00 AM	69.4	86.6	78.1	73.8	68.3	62.2	54.5	49.4	47.4
Thu-06/15/23	12:00:00 PM	65.3	86.1	75.8	68.8	60.9	57.4	52.8	50.4	49.5
Thu-06/15/23	1:00:00 PM	63.2	82.3	74.4	66.4	56.2	53.2	49.4	47.4	45.6
Thu-06/15/23	2:00:00 PM	63.3	84.7	74.6	67.0	55.7	50.0	43.4	42.0	41.6
Thu-06/15/23	3:00:00 PM	64.0	82.2	74.9	69.1	57.0	49.9	43.9	42.2	41.6
Thu-06/15/23	4:00:00 PM	63.8	80.0	74.6	69.9	56.4	49.1	43.5	42.4	42.0
Thu-06/15/23	5:00:00 PM	62.6	81.0	74.1	66.7	53.2	47.4	43.5	42.5	42.3
Thu-06/15/23	6:00:00 PM	60.5	80.1	71.9	62.5	52.9	47.3	43.7	42.7	42.4
Thu-06/15/23	7:00:00 PM	60.8	84.4	72.0	60.5	51.1	49.0	46.9	45.8	45.2
Thu-06/15/23	8:00:00 PM	59.8	82.1	70.5	58.3	54.8	53.3	49.5	48.0	47.0
Thu-06/15/23	9:00:00 PM	64.6	77.4	67.8	67.0	65.8	64.4	59.6	54.6	53.0
Thu-06/15/23	10:00:00 PM	63.8	77.4	67.6	66.6	65.2	63.4	55.3	53.8	52.9
Thu-06/15/23	11:00:00 PM	62.1	78.9	67.0	66.0	64.1	59.7	53.6	52.1	50.2
Fri-06/16/23	12:00:00 AM	59.5	86.2	65.0	63.5	57.8	53.1	50.9	49.7	48.2
Fri-06/16/23	1:00:00 AM	62.7	94.2	62.8	57.6	54.4	53.0	51.0	49.7	48.7
Fri-06/16/23	2:00:00 AM	52.2	61.2	55.5	54.2	52.8	51.7	50.0	48.8	47.7
Fri-06/16/23	3:00:00 AM	54.0	76.3	56.0	55.3	54.4	53.4	51.1	49.7	48.6
Fri-06/16/23	4:00:00 AM	59.6	83.2	63.3	59.3	57.1	55.8	53.7	52.7	51.5
Fri-06/16/23	5:00:00 AM	61.1	83.0	66.5	61.0	59.3	58.4	57.1	56.2	55.7
Fri-06/16/23	6:00:00 AM	64.5	84.1	73.9	64.2	62.5	61.0	58.6	57.3	56.4
Fri-06/16/23	7:00:00 AM	64.9	82.1	75.1	68.1	62.2	59.8	54.6	53.0	52.2

Noise Measurement Data, dBA - LT-4, Telephone Pole, Southeast of Project site (38.387980°, -121.906167°)

Date	Time	Leq	Lmax	L02	L08	L25	L50	L90	L99	Lmin
Fri-06/16/23	8:00:00 AM	62.6	81.2	73.7	65.0	57.4	54.4	51.7	50.7	49.8

APPENDIX B – GENERAL ARRANGEMENT DRAWING

ENERGY STORAGE SYSTEM DESCRIPTION	
FACILITY NAMEPLATE	300 MW / 1200 MWh
BESS EQUIPMENT	BOL: 96 PCS SKIDS, 384 BATTERY ENCLOSURES EOL: 136 PCS SKIDS, 544 BATTERY ENCLOSURES

AREA	ACREAGE (SQ FT)
PARCEL	1,615,704
BUILDABLE AREA (EQUIPMENT AND SUBSTATION)	698,518

LEGEND:

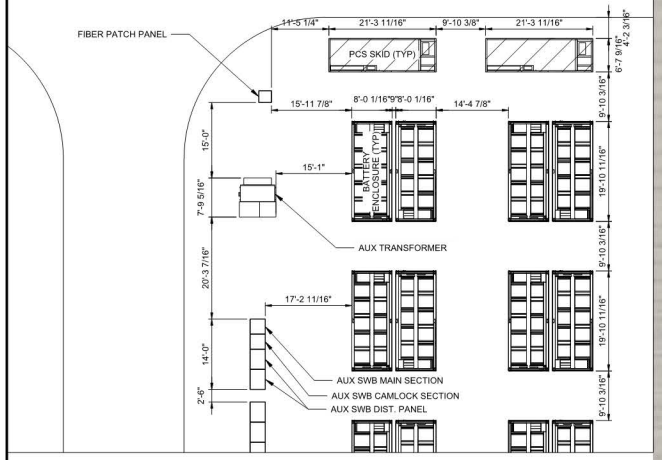
- PROPERTY LINE
- FENCE
- SETBACK
- NATURAL GAS PIPELINE EASEMENT
- GATE

ABBREVIATION LIST

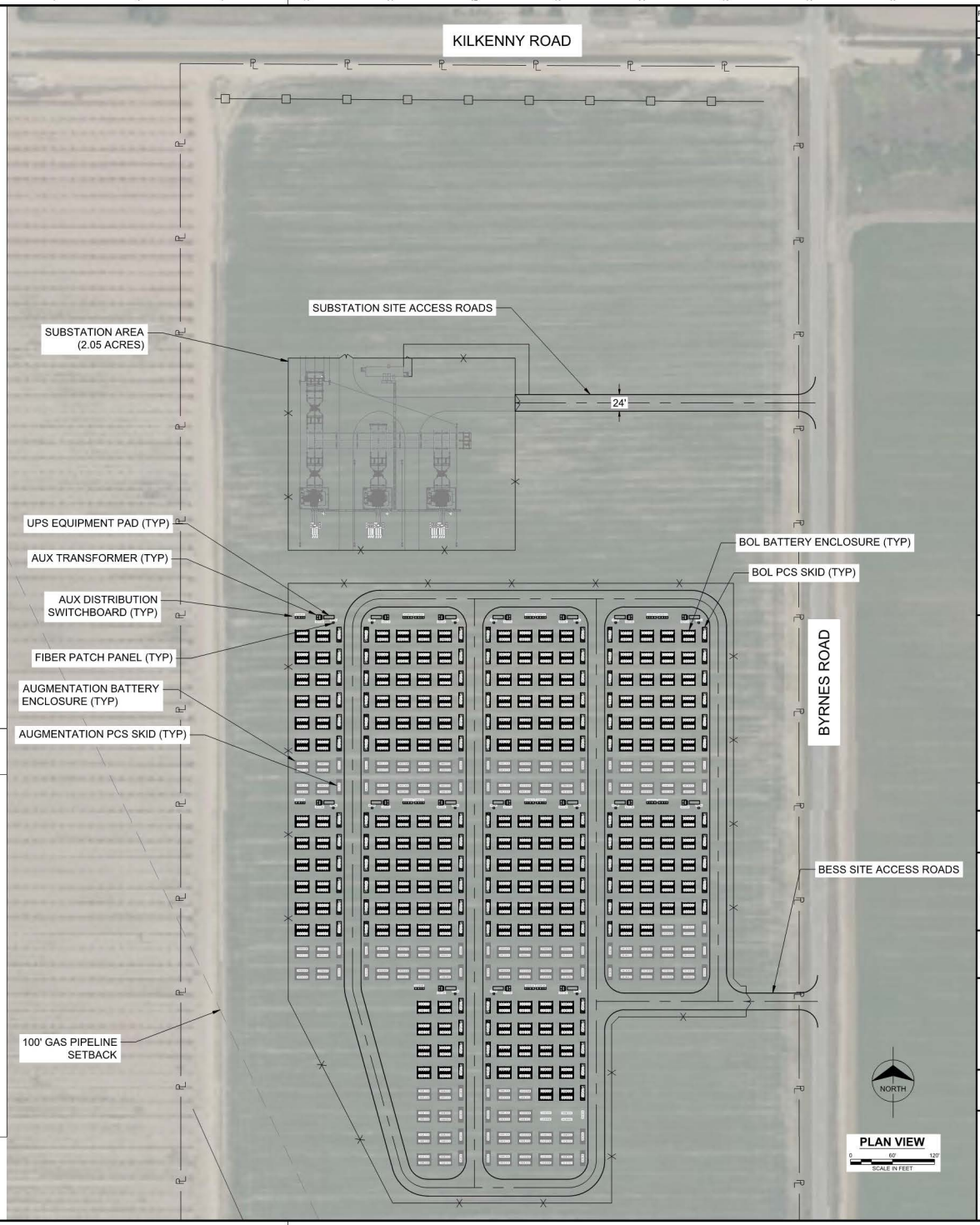
AUX - AUXILIARY
BESS - BATTERY ENERGY STORAGE SYSTEM
BOL - BEGINNING OF LIFE
EOL - END OF LIFE
PCS - POWER CONVERSION SYSTEM
TFM - TRANSFORMER
TYP - TYPICAL
SWB - SWITCHBOARD

NOTES:

1. SUBSTATION AREA BASED ON PRELIMINARY DRAWING AND IS SUBJECT TO CHANGE BASED ON FINAL DESIGN. SUBSTATION FOOTPRINT PROVIDED BY SUBSTATION EOR.
2. SITE DRAINAGE REQUIREMENTS TO BE SHOWN ON CIVIL GRADING PLAN.
3. AUGMENTATION EQUIPMENT WILL NOT BE PRESENT DURING INITIAL SITE DEVELOPMENT.



TYPICAL BESS EQUIPMENT SPACING



PLAN VIEW

REV	DATE	BY	CKD	DESCRIPTION
A	12/21/23	JMF	AMH	ISSUED FOR 30% REVIEW
B	05/03/24	JMF	AMH	ISSUED FOR 60% REVIEW

PRELIMINARY - NOT FOR CONSTRUCTION

BURNS & McDONNELL WESTERN ENTERPRISES, INC.
140 S STATE COLLEGE BLVD., SUITE 100
BREA, CA 92821
714-256-1595

date: OCTOBER 6, 2023 | detailed: J. FORBES
designed: J. FORBES | checked: A. HINERMAN

CORBY ENERGY STORAGE, LLC
700 UNIVERSE BLVD.
JUNO BEACH, FL 33408

CORBY BESS PROJECT
6865 BYRNES ROAD
VACAVILLE, CALIFORNIA 95687

CORBY BESS
ELECTRICAL EQUIPMENT
SITE PLAN

project: 163851 | contract: -
drawing: **BCR-E-200** | rev.: **B**
sheet: | of | sheets:
file: BCR-E-200.dwg

APPENDIX C – SOUND LEVEL CONTOURS

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Service Layer Credits: World Imagery: Yolo County, Maxar

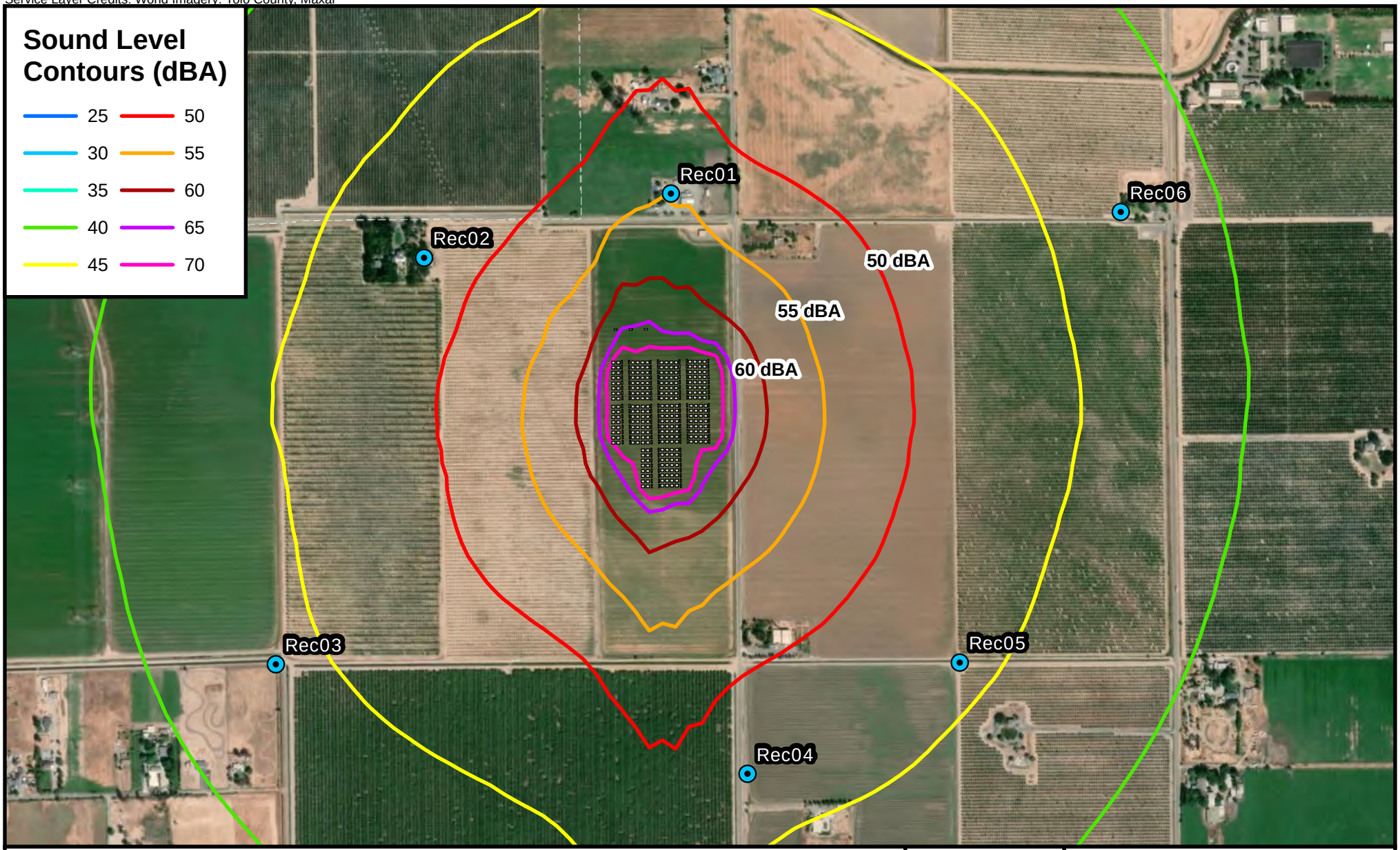

Figure C-1
Corby Energy Storage, LLC
Corby BESS
Sound Level Contours
Scenario 1

Source: ESRI, Burns & McDonnell

Issued: 9/10/2024

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Service Layer Credits: World Imagery: Yolo County, Maxar

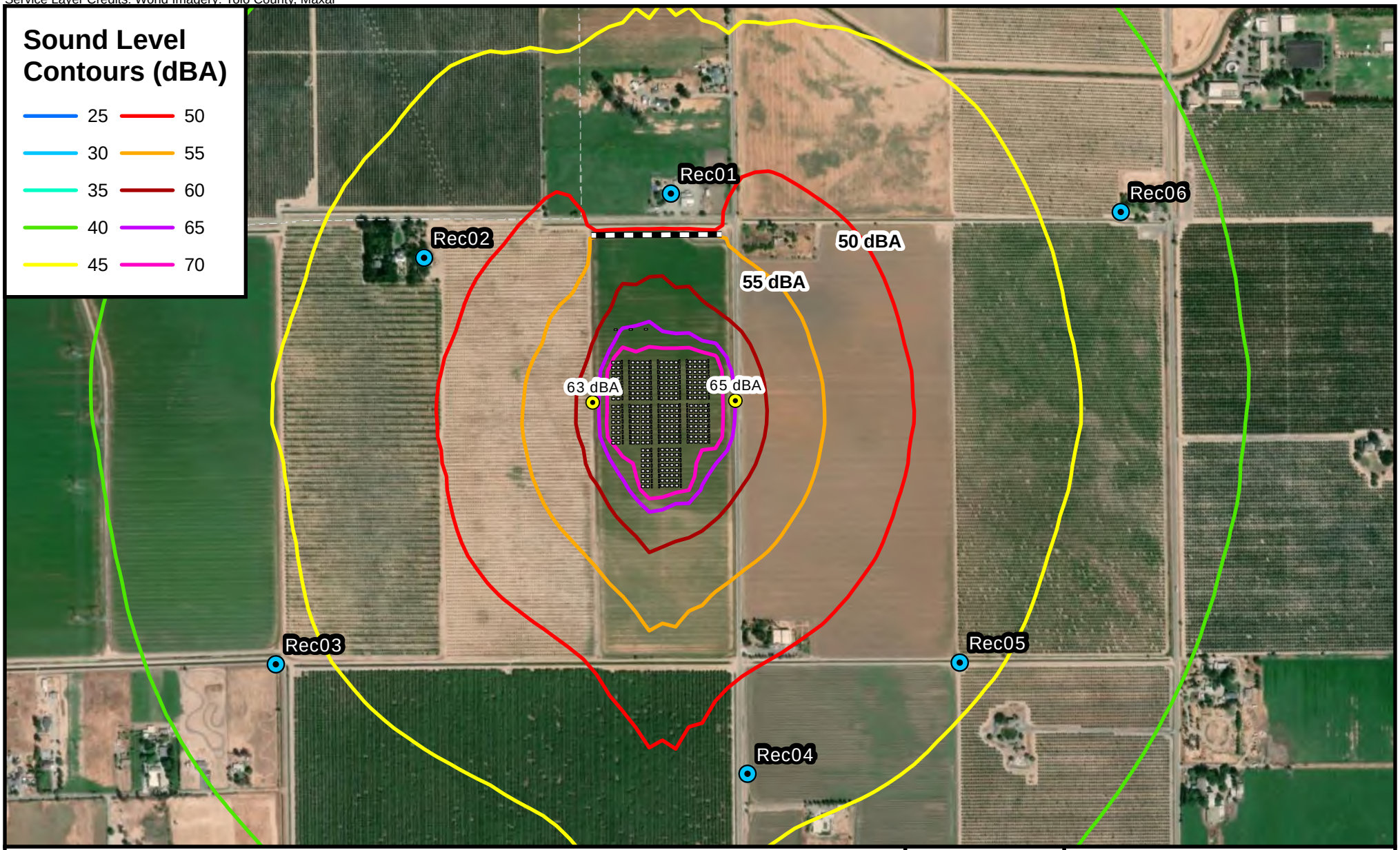

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Figure C-2
Corby Energy Storage, LLC
Corby BESS
Sound Level Contours
Scenario 2

Source: ESRI, Burns & McDonnell

Issued: 9/10/2024

Path: G:\Projects\Air-Noise Dept\Project Files\NEXTERA\Corby BESS\GIS\NextEra Corby BESS GIS Project\NextEra Corby BESS GIS Project.aprx rjgurreri 9/9/2024
Service Layer Credits: World Imagery: Yolo County, Maxar, Microsoft

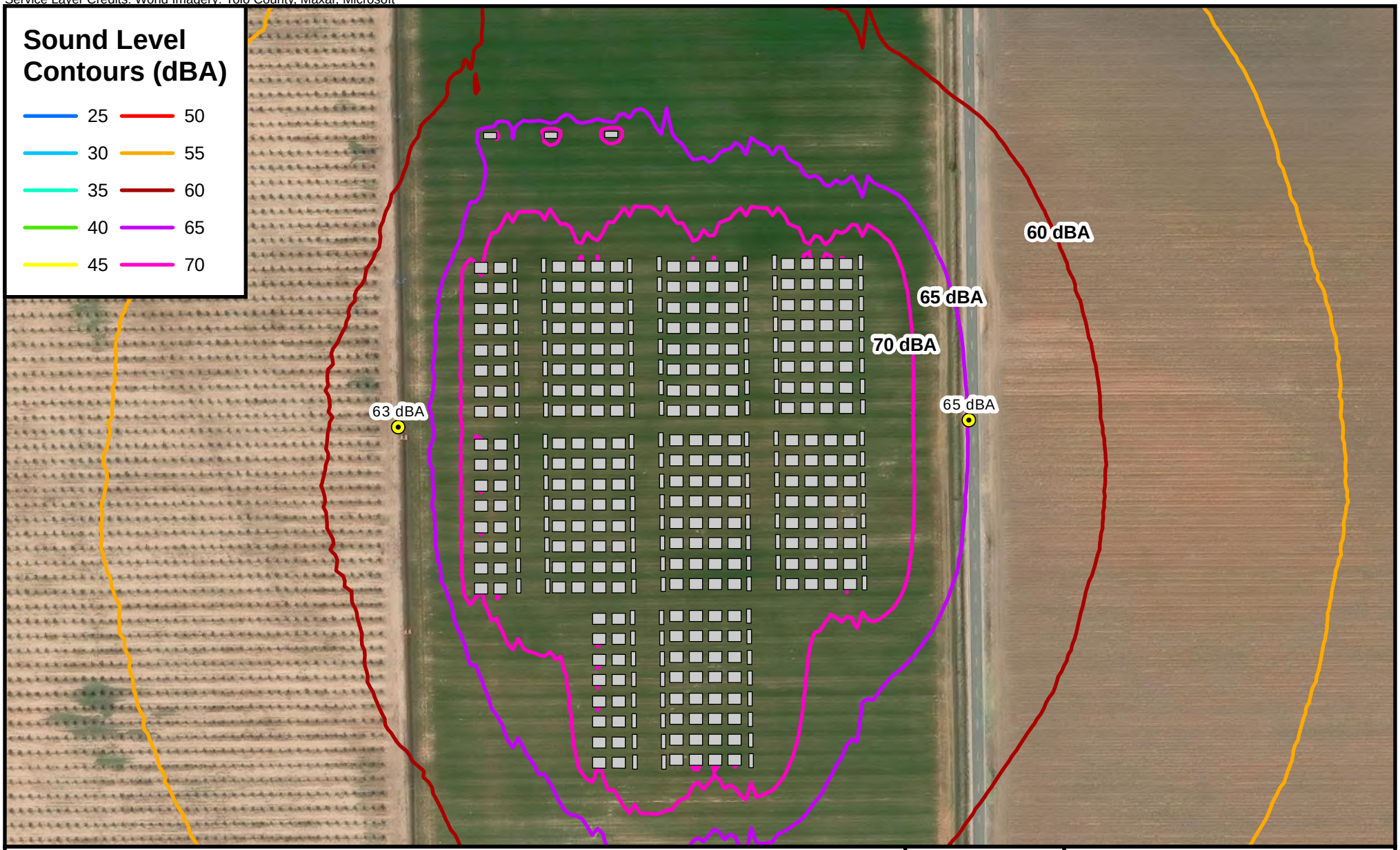

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Figure C-3
Corby Energy Storage, LLC
Corby BESS
Sound Level Contours
Scenario 2

Source: ESRI, Burns & McDonnell

Issued: 9/9/2024


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