

March 18, 2021

Ms. Tanowa Troupe, Secretary
Ohio Power Siting Board
Docketing Division
180 East Broad Street, 11th Floor
Columbus, Ohio 43215-3797

Re: Case No. 20-1679-EL-BGN - In the Matter of the Application of Pleasant Prairie Solar Energy LLC for a Certificate of Environmental Compatibility and Public Need to Construct a Solar-Powered Electric Generation Facility in Franklin County, Ohio.

Response to First Data Request from Staff of the Ohio Power Siting Board

Dear Ms. Troupe:

Attached please find Pleasant Prairie Solar Energy LLC's ("Applicant") Response to the First Data Request from the staff of the Ohio Power Siting Board ("OPSB Staff"). The Applicant provided this response to OPSB Staff on March 18, 2021.

We are available, at your convenience, to answer any questions you may have.

Respectfully submitted,

/s/ Christine M.T. Pirik

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Ms. Tanowa Troupe
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CERTIFICATE OF SERVICE

The Ohio Power Siting Board's e-filing system will electronically serve notice of the filing of this document on the parties referenced in the service list of the docket card who have electronically subscribed to these cases. In addition, the undersigned certifies that a copy of the foregoing document is also being served upon the persons below this 18th day of March, 2021.

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4824-5006-6911 v1 [39579-53]

**BEFORE
THE OHIO POWER SITING BOARD**

In the Matter of the Application of Pleasant Prairie)
Solar Energy LLC for a Certificate of Environmental)
Compatibility and Public Need to Construct a Solar-) Case No: 20-1679-EL-BGN
Powered Electric Generation Facility in Franklin)
County, Ohio.)

PLEASANT PRAIRIE SOLAR ENERGY LLC 'S
RESPONSE TO THE FIRST DATA REQUEST
FROM THE STAFF OF THE OHIO POWER SITING BOARD

On February 19, 2021, Pleasant Prairie Solar Energy LLC (“Applicant”) filed an application (“Application”) with the Ohio Power Siting Board (“OPSB”) proposing to construct a solar-powered electric generation facility in Franklin County, Ohio.

On March 8, 2021, the Staff of the OPSB (“OPSB Staff”) provided the Applicant with OPSB Staff’s First Data Request. Now comes the Applicant providing the following response to the First Data Request from the OPSB Staff.

1. **Please provide a map of at least 1:24,000 scale that identifies the proposed facility, all agricultural land, and separately all agricultural district land existing at least sixty days prior to submission of the application located within the project area boundaries. Where available, distinguish between agricultural uses such as cultivated lands, permanent pasture land, managed woodlots, orchards, nurseries, livestock and poultry confinement areas, and agriculturally related structures.**

Response: Please see Attachment 1 to this response, which provides the information requested as provided by the participating landowners for the voluntary, landowner application based program Current Agricultural Use Value (“CAUV”) and also shows there are no Agricultural District Lands located within the Project Area or the Study Area per the Franklin County Auditor’s Office. Of the 2,424 acres within the Study Area, 2,186 acres are enrolled in the CAUV program, with 1,729 acres being within the Project Area.

2. **The map on Figure 08-5 only refers to rural zoned land. The map required for 4906-4-08 (E)(1) should include land used as agricultural land not just zoned for that purpose.**

Response: Please see Attachment 1 to this response, which provides the information requested. As reflected in Attachment 1, there is no Agricultural District land within the Project Area and

the land used for agriculture and the CAUV program cover the same parcels within the Project Area.

3. **Table 6 states there are 2328.64 acres of agricultural land. How many of those acres if any are agricultural district land? If there are acres of agricultural district land, how many parcels are those acres on?**

Response: Per response to Questions 1 and 2, coordination with the Franklin County Auditor's Office reflects that there are no Agricultural District lands within the Project Area.

4. **Are the agricultural fields impacted by the project currently irrigated?**

Response: In the center of the Project Area there is approximately 650 acres that is predominantly used for sod production. During dry periods, these fields may utilize an above-ground pivot irrigation system. There is no underground irrigation system in the Project Area.

5. **On page 96, you state, "The Applicant will avoid, where possible, drainage tiles and will repair all drain tile mains that are impacted during decommissioning." When you say "decommissioning" do you mean "construction"?**

Response: The statement on page 96 of the Application narrative should be revised to read "[t]he Applicant will avoid, where possible, drainage tiles and will repair all drain tile mains that are impacts during construction and/or decommissioning." See also Application Exhibit K, which sets forth the Drain Tile Mitigation Plan both during construction and decommissioning.

6. **Please update Figures 5-1, 5-2, 5-3, 5-4, 7-1, 7-2, 7-3, and 7-4 of the noise report with noise sensitive receptors differentiated between participating and non- participating receptors.**

Response: Please see Attachment 2 to this response, which is the updated and revised Application Exhibit N, the Sound Analysis conducted by Hankard Environmental, Inc., dated March 12, 2021 ("Sound Analysis"). Attachment 2 supersedes and replaces Application Exhibit N that was filed with the Application on February 19, 2021. The attached revised noise report differentiates the participating and non-participating information. For ease of review, in the attached update, the Applicant highlighted the revisions that were made to the Exhibit N that was filed with the Application on February 19, 2021.

7. **Please provide a table with receptors, participation status, modeled sound pressure level, and receptor location.**

Response: Please see Attachment 2, the revised Sound Analysis with participating and non-participating information now differentiated within Tables B-1 and C-1.

8. **Please update table 4-3 to include L90, L50, L10 levels.**

Response: Please see Attachment 2, the revised Sound Analysis with these levels included in table 4-3.

9. **Please provide a KMZ file with facility fence line, panel locations, inverter locations, participating and non-participating receptors, substation location, and isophone lines.**

Response: The KMZ files have been provided to the OPSB Staff.

10. **4906-4-06(F)(1): Please describe, specifically, how the applicant will notify affected property owners and tenants about its public information and complaint resolution programs at least seven days prior to the start of construction.**

Response: At least seven days prior to the start of construction and at least seven days prior to the start of facility operations, the Applicant will notify via mail affected property owners and tenants, including those individuals who were provided notice of the public information meeting, residents located within one mile of the Project Area, parties to this case, county commissioners, township trustees, emergency responders, airports, schools, and libraries, as well as anyone who as requested updates regarding the Project. These notices, which are included as Attachment 3 to this response will provide information about the Project, including contact information and a copy of the Complaint Resolution Plan (see Exhibit K to Application Exhibit G),. During the construction and operation of the Facility, the Applicant shall submit to the OPSB a complaint summary report by the fifteenth day of April, July, October, and January of each year for the first five years of operation. The report shall include a list of all complaints received through the Applicant's complaint resolution process, a description of the actions taken toward the resolution of each complaint, and a status update if the complaint has yet to be resolved.

11. **4906-4-04(A)(1): Please provide a written description of the study area or the geographic boundaries of the area considered for development of the project.**

Response: The Study Area is located within approximately 2,424 acres of privately owned lands within Pleasant and Prairie Townships, Franklin County, Ohio. The Project Area is

primarily south of National Pike (U.S. Route 40), east of Darby Creek Drive (County Road 140), north of Kropp Road (County Road 135), and west of Kunz Road. See Application Figure 03-1 Project Area Site Map.

12. **4906-4-04(A)(5): Please provide a written description of the project area(s) selected for evaluation.**

Response: The permanent Project Area and the area in which all of the solar panels and infrastructure will be in and maintained is approximately 1,729 acres within the 2,424 are Study Area.

13. **4906-4-04(B)(2): How many comments were received during the public informational meeting?**

Response: During the Project's virtual public informational meeting, records of comments were kept for further individual and specific follow up and detailed coordination with project stakeholders. There were approximately 49 web comments submitted with varying degree of subjects and overlap. For the phone component of the virtual public informational meeting, there were approximately 5 comments or questions received and discussed. Invenergy has ongoing outreach efforts with local project stakeholders and is looking forward to further engagement on project questions or concerns, as well as design input for aspects such as setbacks, landscape screening, and other design attributes. Please see Attachment 4, which contains the communications to date and the questions discussed.

Respectfully submitted,

/s/ Christine M.T. Pirik

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Attachment 1

Agricultural Map

Attachment 2

Sound Analysis
Hankard Environmental, Inc.
Updated March 12, 2021

This supersedes and replaces Application Exhibit N that
was filed with the Application on February 19, 2021

Pre-Construction Noise Analysis

for the proposed

Pleasant Prairie Solar Energy Center

March 12, 2021



Prepared for:

Pleasant Prairie Solar Energy LLC
Chicago, Illinois

Prepared by:

Hankard Environmental, Inc.
Verona, Wisconsin



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Executive Summary

This report describes the results of an analysis of the noise levels that are expected to be generated from the construction and operation of the Pleasant Prairie Solar Energy Center (Project or Facility). The Project is a photovoltaic solar electrical generation facility to be located in Franklin County, Ohio, approximately 10 miles west of Columbus. The Project has a maximum generating capacity of up to 250 megawatts. During construction, the Project will generate noise from the operation of typical equipment such as bulldozers and pile drivers. Sources of noise from the operation of the Facility include inverters, transformers, and cooling systems.

Noise emissions from the Project are subject to the provisions of the Ohio Administrative Code, Chapter 4906-4, which requires the Project to (1) measure existing ambient (background) noise levels prior to construction, and (2) predict noise levels from the construction and operation of the Project at sensitive receptor locations. The maximum noise level from Facility operations at noise-sensitive receptors (e.g., residences) located within one mile of the Facility is limited to the measured ambient noise level plus five A-weighted decibels (dBA).

Ambient noise levels were measured in September and October 2020 at eight locations near the proposed Facility. The average daytime and nighttime noise levels were 47 dBA and 39 dBA, respectively. This results in daytime and nighttime noise level limits of 52 dBA and 44 dBA, respectively (ambient plus 5 dBA).

Noise levels from the operation of the Facility were predicted at each of the 1,099 noise-sensitive receptors identified within one-half mile of the Project. Noise levels at more distant receptors will be lower than those reported herein and well below the established limits. The primary sources of noise from the operation of the Facility are the solar inverters located throughout the Facility and the primary step-up transformers located at the substation. During the daytime the loudest operational noise level at a non-participating residence is predicted to be 44 dBA at a residence in the northern portion of the Project. The loudest predicted level during the daytime at a participating residence is 49 dBA. All predicted levels are below the 52 dBA daytime standard.

Nighttime noise levels for all receptors were modeled with the substation step-up transformers as the only noise source, as inverters and their cooling systems do not operate at night. The loudest predicted level among both non-participating and participating residences is 43 dBA, and all predicted levels are below the 44 dBA nighttime limit.

Noise levels from the construction of the Facility were predicted at each of the 1,099 noise-sensitive receptors identified within one-half mile of the Project and also at one worst-case location along the Project boundary. During construction predicted noise levels at noise-sensitive receptors range from 32 to 87 dBA, with the loudest levels predicted for pile driving. At the Project boundary, construction noise levels are predicted to be as high as 115 dBA during pile driving. Much of the time construction noise levels will be lower than the predicted range. These levels are below standards typically applied to construction noise by agencies such as the U.S. Federal Highway Administration. Construction will be limited to daytime hours to the extent practicable, will take place for approximately 12 to 18 months, and will occur near any one receptor location for only a few weeks at a time.

1. Introduction

This report describes the results of a pre-construction noise analysis conducted by Hankard Environmental for the proposed Pleasant Prairie Solar Energy Center (Facility or Project). The general location of the Project is shown in Figure 1-1. The Project's maximum generating capacity is up to 250 megawatts. This analysis demonstrates that the Project satisfies the requirements of Chapter 4906-4 of the Ohio Administrative Code, *Certificate Applications for Electric Generation Facilities*, which requires the Project to provide a study of pre-construction (existing) noise levels, a description of construction and operational noise levels at the nearest property boundary and at all noise-sensitive receptors located within approximately one mile of the Project boundary, and the measures that will be taken by the Project to mitigate noise emissions.

The following sections describe in more detail the noise regulation applicable to the Project, the Project site and the location of noise sensitive receptors, the results of the pre-construction ambient noise study, the methods and data used to predict construction and operational noise emissions, the predicted construction and operational noise levels, and the mitigative measures to be employed.

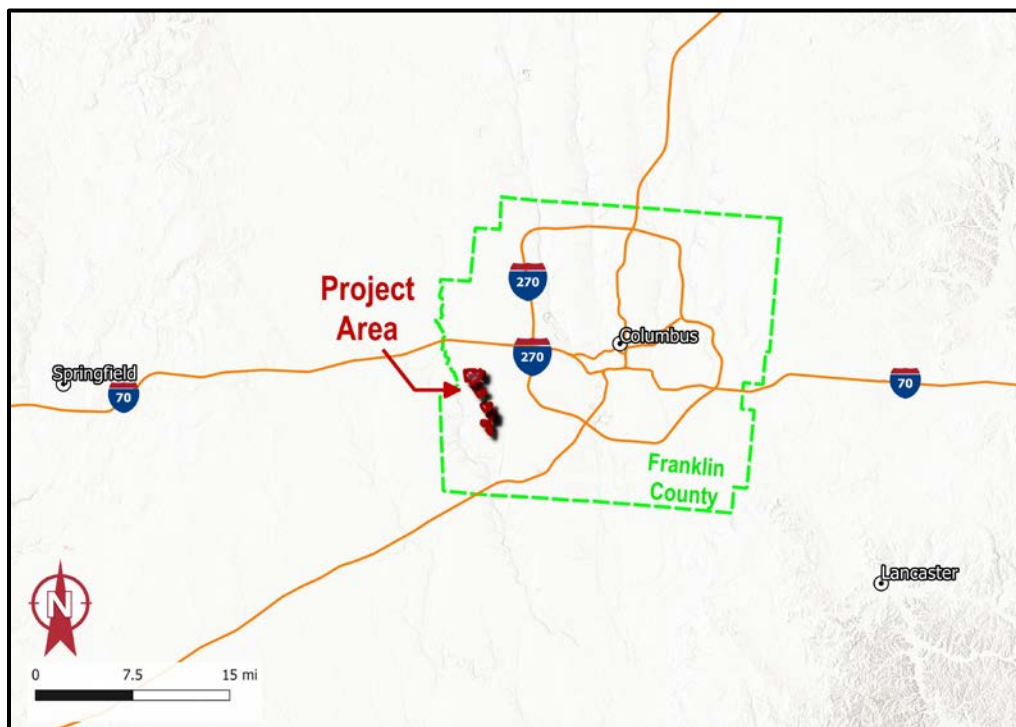


Figure 1-1. General Location of the Proposed Pleasant Prairie Solar Energy Center

2. Applicable Noise Regulation

Chapter 4906-4 of the Ohio Administrative Code, *Certificate Applications for Electric Generation Facilities*, sets forth the rules governing standard certificate applications for electrical generation facilities. Section 4906-4-08, *Health and Safety, Land Use and Ecological Information*, describes the noise-related information required as part of a certificate application. Specifically, Paragraph (A)(3) requires:

- (3) The applicant shall provide information on noise from the construction and operation of the facility.
 - (a) Describe the construction noise levels expected at the nearest property boundary. The description shall address:
 - (i) Blasting activities. (there is no blasting anticipating on this Project)
 - (ii) Operation of earth moving equipment.
 - (iii) Driving of piles, rock breaking or hammering, and horizontal directional drilling.
 - (iv) Erection of structures.
 - (v) Truck traffic.
 - (vi) Installation of equipment.
 - (b) Describe the operational noise levels expected at the nearest property boundary. The description shall address:
 - (i) Operational noise from generation equipment. In addition, for a wind facility, cumulative operational noise levels at the property boundary for each non-participating property adjacent to or within the project area, under both day and nighttime operations. The applicant shall use generally accepted computer modeling software (developed for wind turbine noise measurement) or similar wind turbine noise methodology, including consideration of broadband, tonal, and low-frequency noise levels.
 - (ii) Processing equipment.
 - (iii) Associated road traffic
 - (c) Indicate the location of any noise-sensitive areas within one mile of the proposed facility, and the operational noise level at each habitable residence, school, church, and other noise-sensitive receptors, under both day and nighttime operations. Sensitive receptor, for the purposes of this rule, refers to any occupied building.
 - (d) Describe equipment and procedures to mitigate the effects of noise emissions from the proposed facility during construction and operation, including limits on the time of day at which construction activities may occur.
 - (e) Submit a preconstruction background noise study of the project area that includes measurements taken under both day and nighttime conditions.

While there are no specific noise limits for solar farms in the Ohio Administrative Code, the Project has chosen to adhere to the limits outlined in Chapter 4906-4-09 *Regulations Associated with Wind Farms* Section F, Part 2, which states:

The facility shall be operated so that the facility noise contribution does not result in noise levels at any non-participating sensitive receptor within one mile of the project boundary that exceed the project area ambient nighttime average sound level (L_{eq}) by five A-weighted decibels (dBA). During daytime operation only (seven a.m. to ten p.m.), the facility may operate at the greater of: the project area ambient nighttime L_{eq} plus five dBA; or the validly measured ambient L_{eq} plus five dBA at the location of the sensitive receptor.

As described in Section 4, ambient noise levels were measured for approximately two weeks at four representative locations within the Project area. From this data an average daytime and nighttime L_{eq} were determined. As described in Section 7, predicted noise levels from the operation of the Facility at all nearby noise-sensitive receptors were compared to limits of the measured daytime noise level plus five decibels and the measured nighttime noise level plus five decibels.

3. Project Site

The Project is located in Franklin County, Ohio. Figure 3-1 shows the Project site, including the locations of the solar panels and inverters, the substation, and the Project boundary. The site is bordered to the north by Interstate 70, to the south by Kropp Road, to the east by Alton Road, and to the west by Pleasant Prairie Drive. Figure 3-1 also provides a general location of the noise-sensitive receptors identified within approximately one-half mile of the Project. The land use immediately surrounding the Project is a mix of agricultural, rural residential, and suburban residential. Noise levels at receptors located beyond one-half mile will be less than those reported.

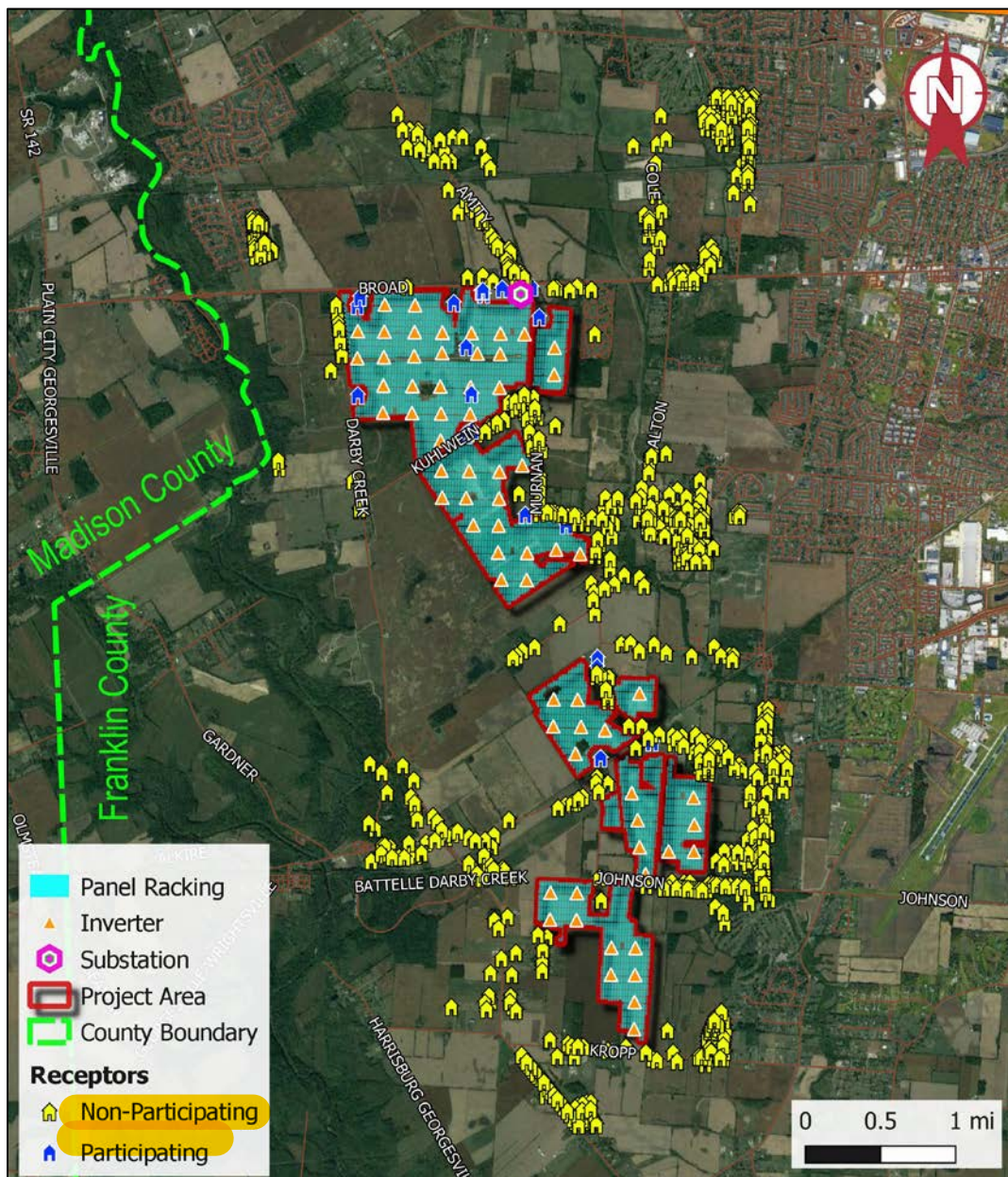


Figure 3-1. Proposed Pleasant Prairie Solar Energy Center Layout

4. Pre-Construction Background Noise Study

A pre-construction ambient sound (noise) level survey was conducted in the Project area in September and October 2020. The purposes of the survey were to measure and document existing sound levels, assess the character of the existing sound environment, and provide data for use in determining the applicable noise limits for the Project.

Measurement Locations

The Project area is roughly three miles outside of the beltway that surrounds Columbus, Ohio and includes open farmland, farmsteads, rolling hills, forested areas, paved rural and higher speed county roads, one state highway, two railways, and a small general aviation airport (Darby Dan Airfield). Note that there is a second airport, Bolton Field, in the area, but it is approximately 1.5 miles east of the Project Area. Sources of existing sound include natural sources such as wind, birds, and insects, as well as man-made sources such as traffic, farming equipment, and both commercial aircraft and general aviation overflights. Selection of monitoring locations considered several factors, including the range of sound environments in the Project area, proximity to the proposed location of Project noise sources and to roadways, farm and non-farm settings and their local activities and sources, and equipment security. Another factor in the site selection process was to achieve a relatively even geographical distribution of the measurement locations across the Project area. Photographs from each long-term and short-term location are shown in Appendix A.

LT1 is located at a residence in the northeast portion of the Project area about 100 feet east of Murnan Road and about 1,150 feet south of West Broad Street (U.S. Route 40). This area is mostly farmland, some scattered residences and residential areas, with the airfield about 1,500 feet to the southwest and a railroad about one mile to the north. The immediate area around the measurement location is exposed to the west and south with mature trees to the north and east. Meteorological measurements at this location included wind speed, wind direction, and precipitation.

LT2 is located at a residence in the northwest portion of the Project area about 280 feet east of Pleasant Prairie Drive and about 3,500 feet south of West Broad Street (U.S. Route 40). The site is surrounded by farmlands with the airfield about 1,000 feet to the north. Pleasant Prairie Drive is a primary connector road for the area with one lane in each direction. The immediate area around the measurement location is exposed on all sides with farmland to the north, south, and east with a few mature trees on the property. Meteorological measurements at this location included wind speed, wind direction, precipitation, temperature, relative humidity, and barometric pressure.

LT3 is located at a residence in the central portion of the Project area about 150 feet south of Murnan Road with no major roads in the area. The site is surrounded by a turf farm with several residences across the street and in the surrounding area. The airfield is just over one mile to the northwest. The immediate area around the measurement location is mostly exposed with mature trees on the property to the south and at the residences across the street to the north. Meteorological measurements at this location included wind speed, wind direction, and precipitation.

LT4 is located at a residence near a group of outbuildings in the south-central portion of the Project area about 120 feet south of the Alkire Road and Alton Road intersection. Both roadways are primarily for local traffic. The Camp Chase Railway is about 400 feet to the northwest. The site is surrounded scattered residences with farmland to the south and a power transmission line to the east. Meteorological measurements at this location included wind speed, wind direction, and precipitation.

ST1 is located northeast of the Project across the street from an existing transformer substation and 400 feet south of a railroad crossing. This area was selected to represent residences along Cole Road. Land use in the area includes a mix of crop farming and residences. This site is exposed and on flat terrain.

ST2 is located near the east-central portion of the Project at the intersection of Alton Road and Hall Road. This site was selected to represent the numerous residences in the area as well as Alton Hall Elementary School. Land use in the area is mainly residential with interspersed farm lands. There are several trees in this area, but not in large groves.

ST3 is located near the west-central portion of the Project near the entrance to Battelle Darby Creek Metro Park about 220 feet west of Pleasant Prairie Drive. This site was selected for its general western location. The park has many visitors with people and pets using park amenities and the large trail system. There are some residences to the south of this site with farmland on the east side of Pleasant Prairie Drive. The park itself is heavily wooded.

ST4 is located at the southernmost portion of the Project area at the Pleasant View Intermediate School about 100 feet south of Kropp Road. This area was selected for its southern location. The primary land use in the area includes residential, public school outdoor use areas, and farmland.

Long-term data were collected for approximately two weeks (September 22 through October 5, 2020). Figure 4-2 shows an example plot of the measured noise levels over one week at LT1. After filtering for biogenic noise, periods of high ground winds, and removing all times when it was precipitating or stormy, the daytime (7:00 am to 7:00 pm) and nighttime (7:00 pm to 7:00 am) average noise levels at all sites were calculated to be 47 dBA and 39 dBA, respectively.

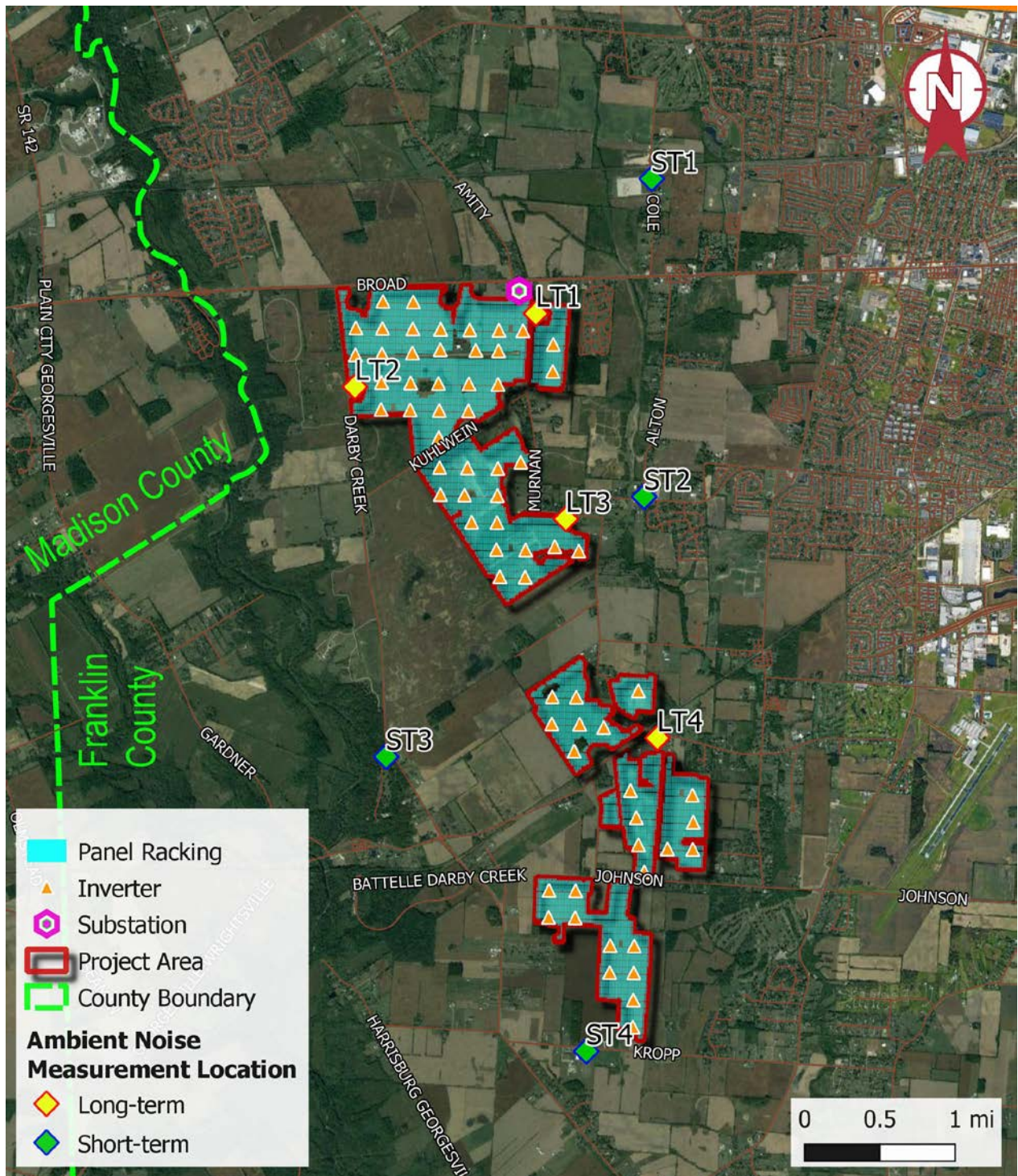


Figure 4-1. Background (Ambient) Noise Measurement Locations

Measurement Duration

Data were collected at the long-term sites for approximately two weeks (September 22 through October, 6 2020). Ten-minute measurements were conducted at each short-term site during the early morning and evening hours on two occasions between September 22 and 23, 2020. A total of 16 short-term measurements were made, four at each short-term site.

Measurement Equipment

Table 4-1 lists the instruments that were employed for the ambient sound survey. The acoustic instruments meet the Type 1 provisions of IEC 61672-1 Class 1, ANSI S1.4 Type 1, and/or ANSI S1.43. Vendor specifications for the sound level monitors indicate ambient conditions of -10°C to +50°C temperature and 10% to 90% relative humidity (non-condensing) and a measurement range of 25 dBA to 138 dBA with an inherent noise floor of 18 dBA.

The sound level monitors were field calibrated just prior to and directly following each series of measurements. The drift in the measured noise level was minimal (-0.1 to +0.2 dB) over the measurement period) and within accepted limits of ± 0.5 dB per ANSI S12.9. In addition, the instruments were calibrated by an accredited laboratory within the 18 months prior to their use. Each microphone was covered with hydrophobically treated seven-inch diameter 80 pores-per-inch density windscreens (ACO Pacific model WS7-80T) to reduce the potential influence of wind-induced noise on the measured data. The microphones were mounted on a tripod and positioned five feet above the ground per ANSI S12.9 and at least 25 feet away from acoustically reflective surfaces.

Wind speed was measured at each long-term measurement location using either a Vaisala WXT536 or WMT52 sensor mounted at an elevation of six feet above the ground. The vendor specifications for the wind data logging system include: accuracies of $\pm 2\%$ from 0 to 10 mph and $\pm 2.5\%$ for 10 to 100 mph; and environmental conditions of -60°F to +140°F and 0% to 100% relative humidity. Wind speeds were measured at the short-term locations using a Kestrel 3000 anemometer.

Table 4-1. Noise Measurement Equipment

Measurement Location	Sound Level Monitor	Frequency Range (Hz)	Noise Floor (dBA)	Anemometer
LT1	Larson Davis 831C	6.3 - 20k	18	Vaisala WMT52
LT2	Larson Davis 831	6.3 - 20k	18	Vaisala WXT536
LT3	Larson Davis 831C	6.3 - 20k	18	Vaisala WMT52
LT4	Larson Davis 831	6.3 - 20k	18	Vaisala WMT52
ST1 - ST4	Larson Davis 831	6.3 - 20k	18	Kestrel 3000

Measurement Parameters

The sound level meters were configured to continuously measure and record both the 10-second and 10-minute averages of the overall L_{eq} and L_{90} , as well as one-third octave band L_{eq} and L_{90} levels (6.3 Hz to 20 kHz). One-third octave band levels were used to re-calculate ANS-weighted overall levels using the procedures outlined in ANSI S12.100. The ANS-weighting removes excess high frequency biogenic noise that would not be present in colder times of the year.

Short-term Measurement Results

The results of the attended short-term noise measurements are provided in Table 4-2 along with the audible sounds noted during each measurement. More specifically, this table lists both the actual A-weighted $L_{eq-10min}$ (dBA) levels as well as the noise sensitive A-weighted (ANS) $L_{eq-10min}$ (dBAi) levels. The purpose for reporting the ANS is that this data was measured during the fall months which contained some high frequency natural sounds (HFNS) such as crickets that do not occur year-round. Per ANSI S12.100-2014, *Methods to Define and Measure the Residual Sound in Protected Natural and Quiet Residential Areas*, to calculate the ANS, only the data in the one-third octave bands up through 1,250 Hz should be included. This process removes the HFNS and is more representative of all months that may not have insect activity. Table 4-2 shows how much quieter the measured levels were after removing insect noise. For the attended short-term measurements, it was minimal at all sites except ST4 where crickets were noted as being more prevalent than the other locations.

The morning noise level measurements were taken between 7:30 am and 9:30 am. It was noted that there were calm winds and clear skies each morning with an average temperature of 48°F and an average relative humidity at 75%, which are within the acceptable range for conducting noise measurements. It should be noted that there was a possible temperature inversion (i.e.: calm winds, low lying stable fog layer, clear sky) occurring on the second morning at the ST1 location in which distant (1.3 miles) highway (I-70) traffic noise to the north was significant and dominated the measured levels. The first morning at ST1 was more dominated by local traffic levels. The calculated overall morning ANS ranged from 46 to 59 dBAi which averaged approximately 1 dBA quieter than the dBA noise levels.

The evening noise level measurements were taken between 5:30 pm and 7:00 pm. It was noted that there were calm winds with an average temperature of 71°F and an average relative humidity at 47%, which are within the acceptable range for conducting noise measurements. The calculated evening ANS ranged from 48 to 59 dBAi which are approximately 1 dBA quieter than the dBA noise levels.

Table 4-2. Short-Term Noise Measurement and Calculated ANS Results

Location	Time	L _{eq-10min} (dBA)	L _{eq-10min} (dBAi)	Difference (dBA)	Audible Sounds
ST1	Morning 1	60	59	-1	distant and local traffic, diesel truck idling at substation, birds, distant dog barking, transformers not audible
	Morning 2	59	58	-1	distant highway traffic significant (temp. inversion?), crickets, birds, backup alarms at substation
	Evening 1	53	52	-1	distant and local traffic, crickets, occasional bird, distant live music, commercial aircraft
	Evening 2	57	56	-1	crickets in background, distant traffic, minor local traffic, commercial aircraft, transformers not audible
ST2	Morning 1	57	56	-1	local traffic constant, distant dog barking, birds, trash truck, distant traffic audible with no local traffic
	Morning 2	52	51	-1	distant traffic, crickets slight, birds, local traffic light (no school), loud propeller airplane at airfield
	Evening 1	56	55	-1	local traffic, crickets constant, dog barking in distance, aircraft, residential talking and shop work
	Evening 2	60	59	-1	local traffic, barking dog in distance, aircraft, crickets
ST3	Morning 1	49	48	-1	birds, local and distant traffic
	Morning 2	47	46	-1	local and distant traffic, birds constant, no crickets
	Evening 1	52	51	-1	busy park, local traffic, people on park trails, crickets constant, birds, howling coyotes or dogs
	Evening 2	49	48	-1	local and distant traffic, people talking on trails, crickets slight
ST4	Morning 1	49	47	-2	distant traffic, birds, crickets, residential noise, local traffic
	Morning 2	50	48	-2	local traffic, distant traffic, crickets constant, birds, football practice in distance
	Evening 1	55	55	0	local and distant traffic, birds, no crickets
	Evening 2	51	48	-3	local and distant traffic, crickets in background, neighborhood noises, football practice in distance

Long-Term Measurement Results

Noise levels were measured continuously and unattended for approximately two weeks. Figure 4-2 shows a representative plot of one week of noise and wind speed data at LT1. Plots of all measured data at each site are provided in Appendix D. Note that while 10-minute L_{eq} samples were used to calculate overall ambient levels, figures in Appendix D plot one-hour L_{eq} noise levels for a cleaner visual representation. The data were analyzed as follows:

- Data samples were excluded for periods of rain as indicated in the plots provided in Appendix D.
- Data samples were excluded for periods when the measured ground wind speed exceeded 5 m/s.
- Data samples contaminated by anomalies such as levels greater than 70 dB were excluded as these are indicative of transient noise events.
- The effect of biogenic noise (insects, birds, frogs) was minimized by removing contributions from one-third octave band noise levels above 1,250 Hertz (these frequencies are where biogenic noise presents itself) and recalculating the overall ANS-weighted noise level (dBAi) per ANSI S12.1.
- The data were divided into daytime (7:00 am to 10:00 pm) and nighttime (10:00 pm to 7:00 am) periods.
- For each site the remaining noise level samples were used to determine the range and average L_{eq} . The results are listed in Table 4-3. Average levels were determined as the arithmetic average of all valid 10-minute samples after filtering. The average site-wide ambient noise levels are 47 dBAi during the daytime and 39 dBAi during the nighttime.

Table 4-3. Summary of Noise Levels (10 minute, ANS (dBAi)) from Long-Term Monitoring

Monitor	Time	L ₁₀ Avg	L ₁₀ Min	L ₁₀ Max	L ₅₀ Avg	L ₅₀ Min	L ₅₀ Max	L ₉₀ Avg	L ₉₀ Min	L ₉₀ Max	L _{eq} Avg	L _{eq} Min	L _{eq} Max
LT1	Day	49	38	70	42	31	60	38	27	57	47	36	67
LT2	Day	47	32	68	38	21	54	32	17	44	44	32	64
LT3	Day	46	33	70	37	24	66	32	17	57	44	31	67
LT4	Day	55	41	71	43	27	67	35	20	66	53	42	68
Average		49	36	70	40	26	62	34	20	56	47	35	67
LT1	Night	44	29	57	39	24	51	35	20	48	43	31	59
LT2	Night	40	21	55	32	17	47	28	14	42	38	23	56
LT3	Night	36	24	56	30	19	49	26	16	42	35	23	56
LT4	Night	41	22	59	31	20	49	27	17	43	42	25	60
Average		40	24	57	33	20	49	31	17	44	39	26	58

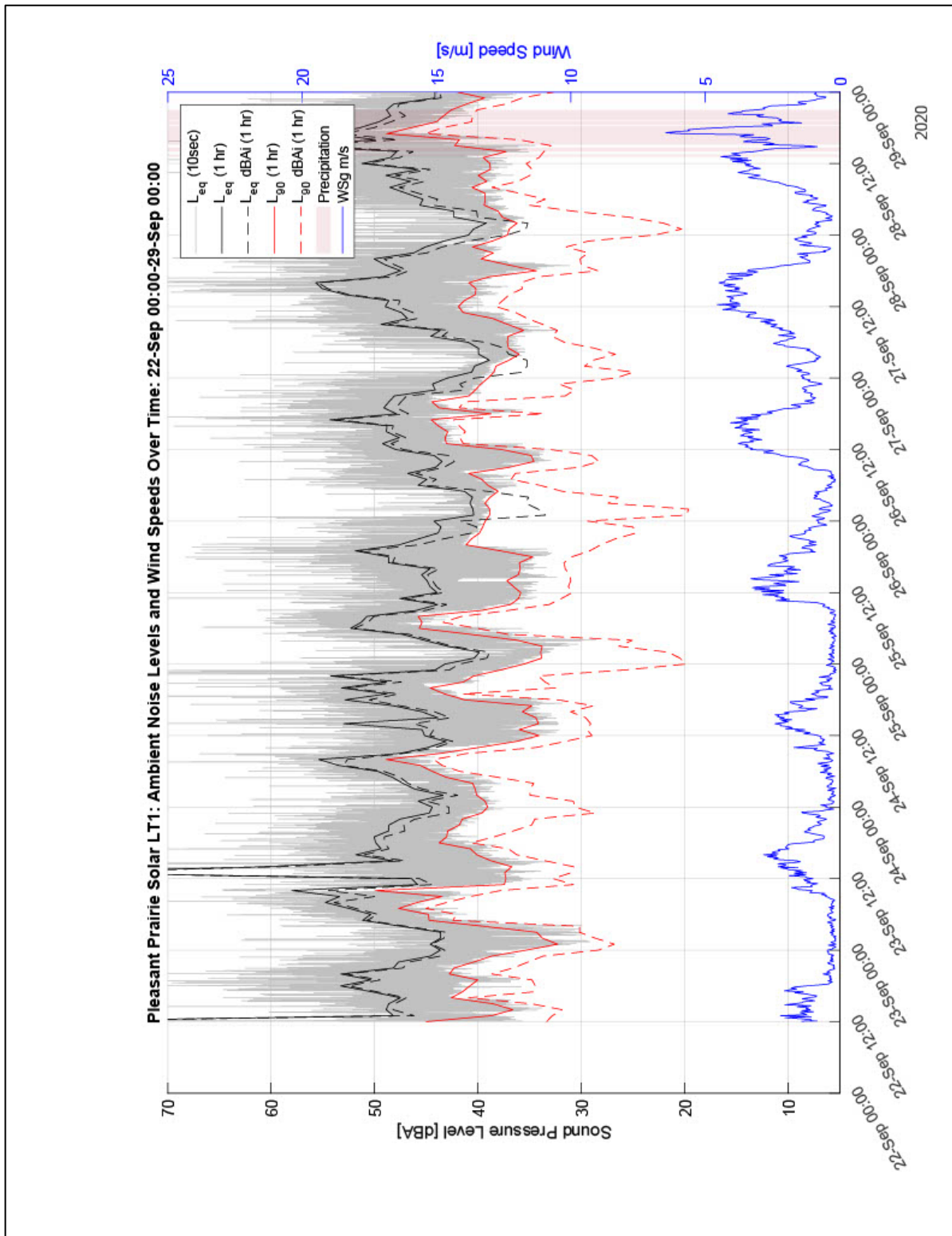


Figure 4-2. Measured Background Noise Levels at Location LT1

5. Noise Modeling Method

Noise levels from the operation of the proposed Project were predicted using the International Organization for Standardization (ISO) Standard 9613-2:1996, *Attenuation of Sound During Propagation Outdoors - Part 2: General method of calculation*. The calculations were implemented using the SoundPLAN v8.2 acoustical modeling software program. There are a number of parameters in the ISO 9613-2:1996 method, including the locations of the noise sources and receivers, noise source spectral characteristics, terrain and ground type, and atmospheric propagation conditions. The ISO method assumes optimal acoustic propagation in all directions, specifically that a “well-developed, moderate ground-based temperature inversion” is present or, equivalently, that all receptors are downwind of all noise sources at all times. The sections below describe the specific ISO 9613-2:1996 settings used in this analysis to predict noise from operations.

Terrain and Ground Effect

The terrain in the acoustic model was defined using Digital Elevation Model (DEM) data from the U.S. Geological Survey (USGS) National Elevation Dataset. The acoustical effect of the ground was modeled using the ISO 9613-2:1996 General Method. This method requires the selection of ground factors for the ground near the source, near the receiver, and in between. A ground factor of 0.0 represents a completely reflective surface such as pavement, which would result in a higher level of sound reaching a receiver. A ground factor of 1.0 represents absorptive ground such as thick grass or fresh snow, resulting in a lower level of sound reaching the receiver. Modeling for this Project used a ground factor of 0.5 because the site will be planted with native grasses after construction.

Atmospheric Conditions

The air temperature, relative humidity, and atmospheric pressure were set to standard-day conditions of 10°C, 70%, and 1 atmosphere, respectively. Per ISO 9613-2:1996, these values result in the least amount of atmospheric sound absorption and the highest levels of sound reaching the receivers.

Receptors

In the SoundPLAN model, prediction points (receptors) were located at the 1,099 noise-sensitive receptors within approximately one-half mile of the Project boundary. Of these receptors, 1,057 are non-participating residences, 22 are participating residences, and the remainder includes three schools, four churches, golf courses, parks, cemeteries, a recreational vehicle park, and one public building. Prediction locations are shown in Figures 5-1 to 5-4. In accordance with ISO 9613-2:1996, the height above the ground for each receptor was set to five feet.

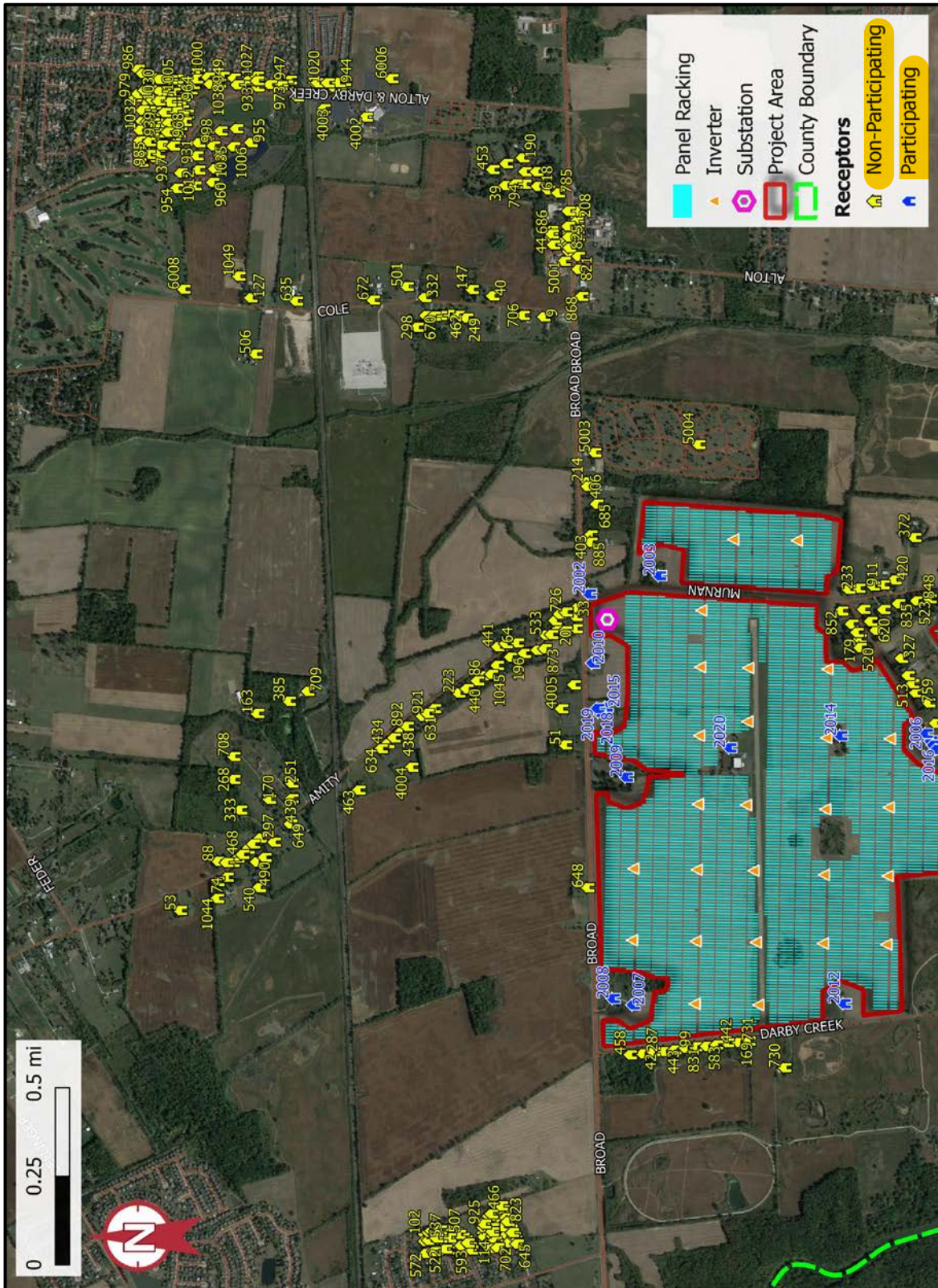


Figure 5-1. Noise-Sensitive Receptors – Northern Area

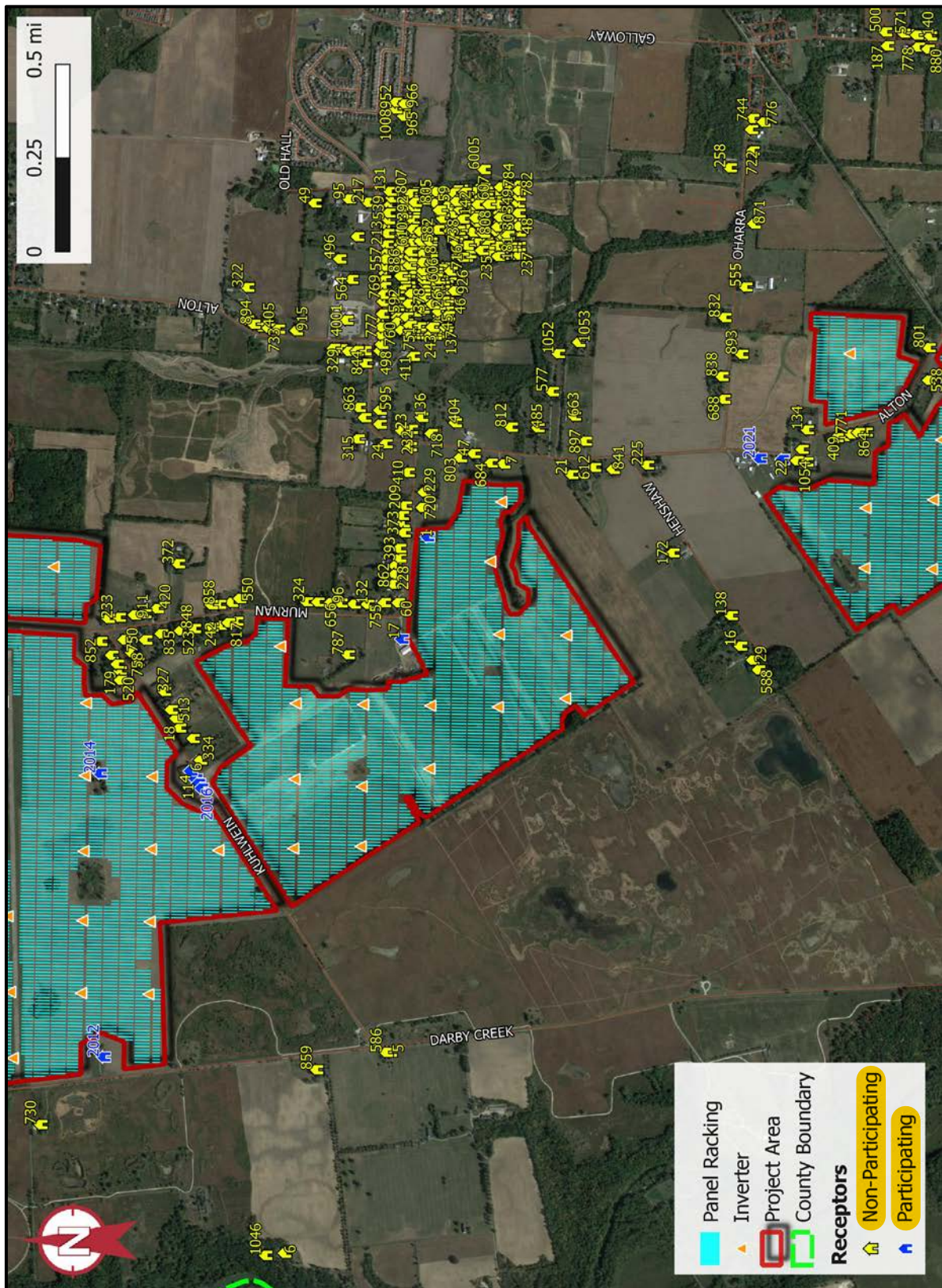


Figure 5-2. Noise-Sensitive Receptors – North-Central Area

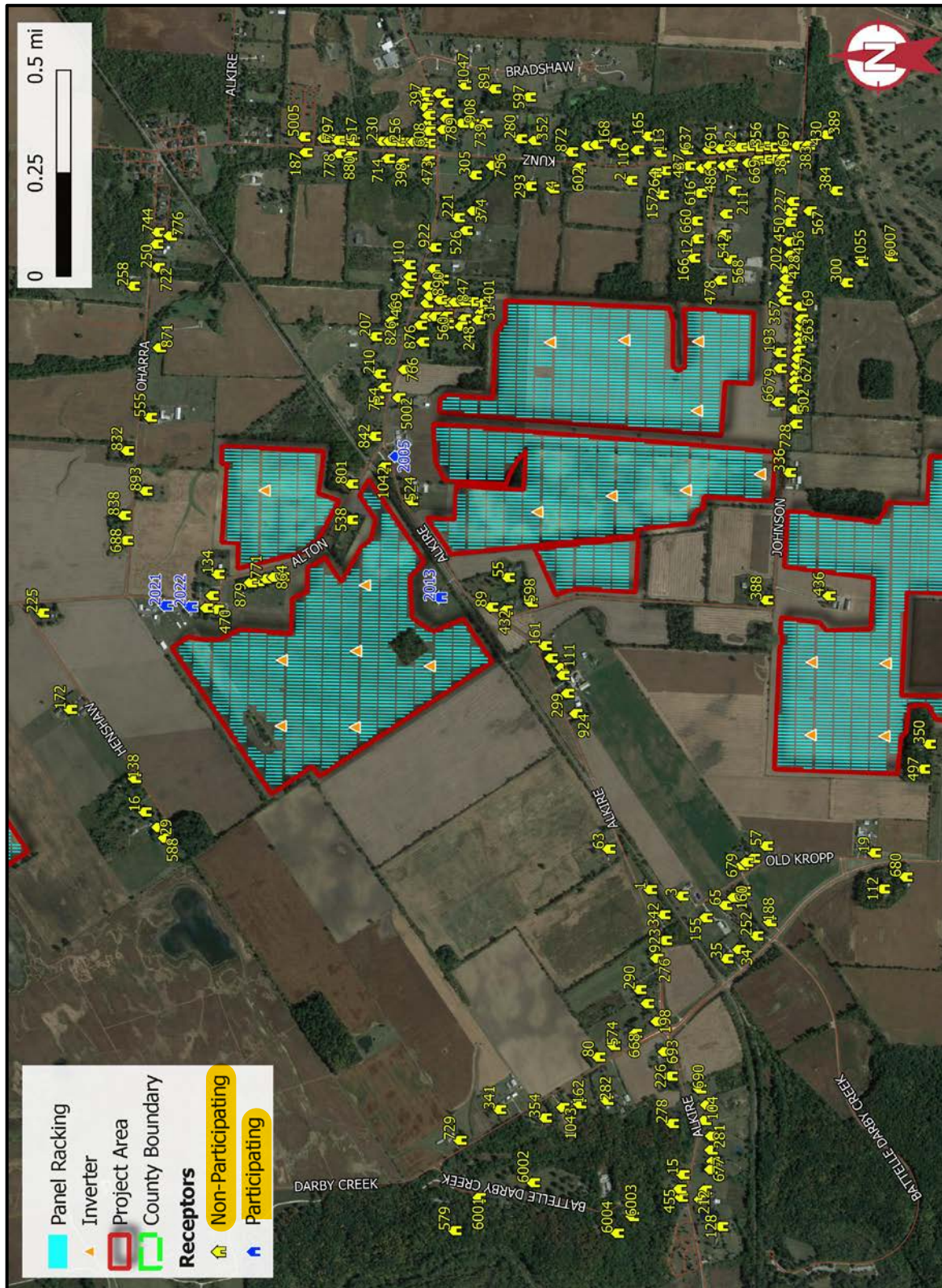


Figure 5-3. Noise-Sensitive Receptors – South-Central Area

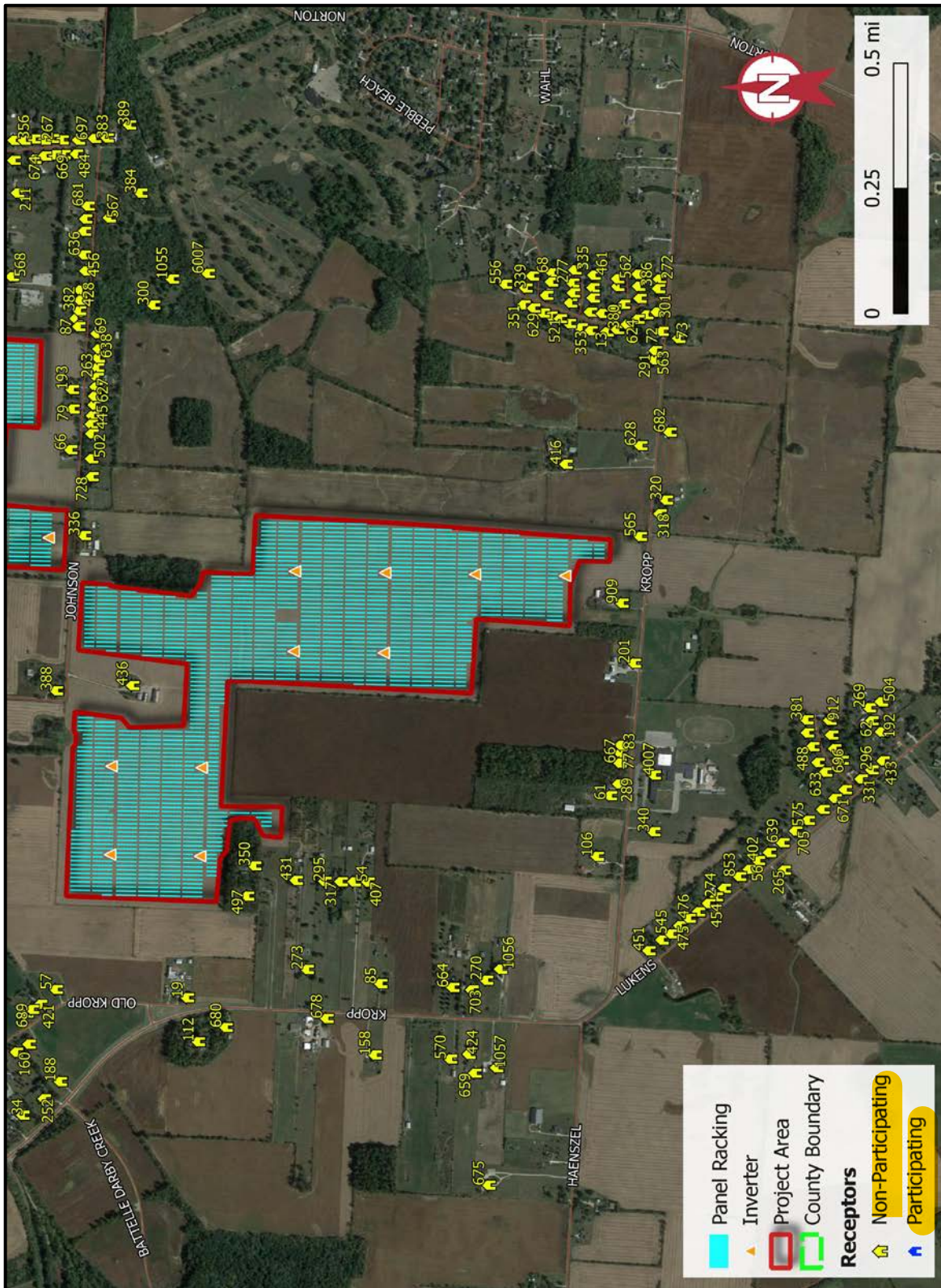


Figure 5-4. Noise-Sensitive Receptors – Southern- Area

Construction Noise Sources

Noise levels were predicted using the Federal Highway Administration's (FHWA) Roadway Construction Noise Model (RCNM) v1.1 for the five phases of construction: site preparation, civil work, pile driving, mechanical assembly, and electrical work. Table 5-1 lists the equipment associated with each phase, as well as the number of units to be employed, the sound power level of each unit, and the percentage of time that each piece of equipment is expected to be used at full capacity (the usage factor). Construction noise source levels were generally based on measurements of construction equipment made by Hankard Environmental on previous projects. The usage factors were taken from the RCNM. All construction noise sources were modeled at 10 feet above the ground.

Table 5-1. Noise Source Characteristics of Construction Equipment

Phase	Equipment Type (quantity)	Usage Factor (%)	Octave Band Sound Power Level (dB)									Overall Sound Power Level (dBA)
			31. 5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	8,000 Hz	
1 Site Preparation	Bulldozer (1)	40%	116	111	116	116	105	107	104	95	85	112
	Excavator (2)	40%	103	112	112	107	99	97	95	92	85	104
	Motor Grader (2)	40%	100	99	110	104	101	110	103	94	89	112
	Water Truck (1)	40%	103	107	112	103	106	104	98	94	85	108
	Dump Truck (1)	40%	98	112	105	103	97	98	96	90	82	103
2 Civil Work	Roller (1)	40%	--	138	128	115	101	98	97	94	90	116
	Dump Truck (1)	40%	98	112	105	103	97	98	96	90	82	103
	Excavator (2)	40%	103	112	112	107	99	97	95	92	85	104
	Trencher (1)	50%	109	114	114	108	105	102	101	95	87	108
	Motor Grader (2)	40%	100	99	110	104	101	110	103	94	89	112
	Water Truck (1)	40%	103	107	112	103	106	104	98	94	85	108
3 Pile Driving	Pile Driving (1)	20%	128	130	132	121	125	126	124	119	111	130
	Pickup Truck (2)	40%	100	114	107	105	99	101	98	92	84	105
	Man Lift (2)	20%	102	108	101	92	92	93	94	87	81	99
	Crane (1)	16%	---	139	117	104	102	100	96	90	85	114
	Backhoe/Loader (1)	40%	105	102	111	101	99	101	99	96	91	106
4 Mechanical Assembly	Pickup Truck (2)	40%	100	114	107	105	99	101	98	92	84	105
	Man Lift (2)	20%	102	108	101	92	92	93	94	87	81	99
	Crane (1)	16%	---	139	117	104	102	100	96	90	85	114
	Backhoe/Loader (1)	40%	105	102	111	101	99	101	99	96	91	106
5 Electrical Work	Pickup Truck (2)	40%	100	114	107	105	99	101	98	92	84	105
	Flatbed Truck (1)	40%	100	114	107	105	99	101	98	92	84	105
	Man Lift (1)	20%	102	108	101	92	92	93	94	87	81	99
	Small Generator (1)	50%	103	110	108	108	105	104	103	102	98	110
	Compressor (1)	40%	106	113	111	111	108	107	106	105	101	113

Operational Noise Sources

The model of noise emissions from the Project included 73 inverters and two primary step-up transformers located at the Facility's substation. Note that noise from solar tracking motors was not included as it has been found to be inaudible off-site based on measurements made at existing solar facilities. The inverters were modeled at a height of six feet above ground. The substation step-up transformers were modeled at a height of ten feet above ground. The inverters and substation transformers were all assumed to operate at full acoustic output during the daytime. Only the transformers were assumed to operate at night (at full acoustic output).

Table 5-2 lists the sound power levels for each source. The Project proposes to use the TMEIC Ninja 4.2 kW model inverter or a similar substitute. The solar inverter levels shown in the table are based on field measurements of a TMEIC 3.3 kW model inverter in operation at an existing solar farm. The model to be employed at the Project is expected to have a substantially similar noise profile to the one presented in the table, particularly since the majority of noise created by inverters is attributable to cooling systems that will be the same or similar between inverter models. The sound power level of the step-up transformers was estimated using the procedures outlined in the "Electric Power Plant Environmental Noise Guide" from the Edison Electric Institute (EEL, 1984). As discussed in more detail below, to meet the 44 dBA nighttime noise limit approximately 5 dBA of reduction is needed in transformer noise emissions versus that shown in Table 5-2. This can be accomplished in a number of feasible ways, such as the specification of low-noise transformers or the construction of barrier walls or enclosures. The modeling results presented herein assume this 5 dBA reduction.

Table 5-2. Noise Emission Levels of Operational Equipment

Equipment Type	Equipment Quantity	Octave Band Sound Power Level (dB)									Overall Sound Power Level (dBA)
		31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	8,000 Hz	
Solar Inverter	68	105	98	95	94	95	88	83	78	76	95
Transformer (165 MVA)	2	97	103	105	100	100	94	89	84	77	100

6. Predicted Construction Noise Levels

The construction noise analysis was conducted using the Federal Highway Administration's Roadway Construction Noise Model (RCNM) v1.1. This computer software program includes construction noise source sound pressure levels and equipment usage factors. Noise levels from each of the five phases of construction of the Facility were predicted at each of the receptor locations identified within the Project Study Area and at one worst-case location along the Project boundary. These phases include site preparation (clearing); civil work (grading and the construction of access roads); pile driving (use of small specialty pile driving units); mechanical assembly of the solar panels, racks, and modules; and electrical work, which consists of connecting all the equipment. Some of this work will be conducted concurrently in different areas of the site. The total duration of construction is approximately 18 months.

The ranges of predicted construction noise levels ($L_{eq(1hr)}$) for each phase of construction at all of the receptors are provided in Table 6-1. For pile driving, the expected worst-case maximum levels (L_{max}) are presented because this activity can be the most noticeable when nearby, even though this source may not be operating continuously. These values assume that all of the equipment for each phase of work is operating at its expected hourly usage-factor. Predicted construction noise levels for all of the receptor and Project boundary locations are provided in Appendix B.

Table 6-1. Predicted Construction Noise Levels at Receptors

Construction Phase	Range of Noise Levels (L_{eq-1hr} (dBA))	
	Minimum	Maximum
1 – Site Preparation	40	80
2 – Civil Work	39	80
3 – Pile driving	51 ⁽¹⁾	87 ⁽¹⁾
4 – Mechanical Assembly	34	74
5 – Electrical Work	32	73

⁽¹⁾ Maximum instantaneous noise level shown

Mitigation measures for construction noise, if necessary, include the use of ambient controlled broadband backup alarms versus tonal alarms, using well-maintained equipment (particularly with respect to mufflers), and maintaining communication with affected residents.

7. Predicted Operational Noise Levels

The primary noise sources associated with the operation of the Project include 73 pad-mounted inverters located throughout the Project area and the two 165 MVA step-up transformers located at the substation. This analysis assumed that all of the inverters and transformers would operate simultaneously at full acoustic output during the daytime, but only the substation step-up transformers would operate at night (at full acoustic output). The analysis assumes that approximately 5 dBA of step-up transformer noise reduction over a typical unit will be achieved by some means, as previously described in Section 5 above.

Operational noise levels were predicted at the 1,099 noise-sensitive receptors located within approximately one-half mile of the Project boundary. The predicted noise levels for daytime operation range from 18 to 44 dBA, with 97% of the receptors having levels of 40 dBA or less. All of the levels are less than the daytime limit of 52 dBA. The loudest levels among non-participants (43 dBA) are predicted at a residence near the intersection of Broad and Amity Road in the northeast portion of the Project area (R626) and at a residence along Kuhlwein Road in the northern portion of the Project area. The predicted noise levels for nighttime operation range from 1 to 41 dBA for non-participating residences, all of which are below the limit of 44 dBA established for the Project. See Appendix C for a list of predicted operational noise levels at all receptors.

The predicted noise levels for daytime operation of the Facility are depicted graphically in Figures 7-1 through 7-4. The contour around the substation for nighttime operation is shown in Figure 7-5. Shown are the 52 dBA and 44 dBA noise level contours which represent the daytime and nighttime noise level limits, respectively. From these figures it can be seen that operational noise levels do not exceed the daytime or nighttime limits at or outside of the Project boundary.

8. Noise Mitigation Measures

As currently designed, noise emissions from the operation of the Project are predicted to meet both the daytime and nighttime limits established for the Project based on ambient noise measurements. This is based on approximately 5 dBA of reduction in noise emissions of the substation step-up transformers from the level shown in Table 5-2. This can be achieved by specifying lower noise transformers or constructing a barrier around the transformers. The Project has otherwise minimized operational noise levels at nearby receptors through the appropriate siting of equipment. Should the Facility design, equipment selection, or other aspects of the Project change, this noise analysis should be updated accordingly.

All maintenance activities should be conducted using well-maintained and properly muffled vehicles and equipment.

Mitigation measures for construction noise, if necessary, include the use of ambient controlled broadband backup alarms versus tonal alarms, using well-maintained equipment (particularly with respect to mufflers), and maintaining communication with affected residents.

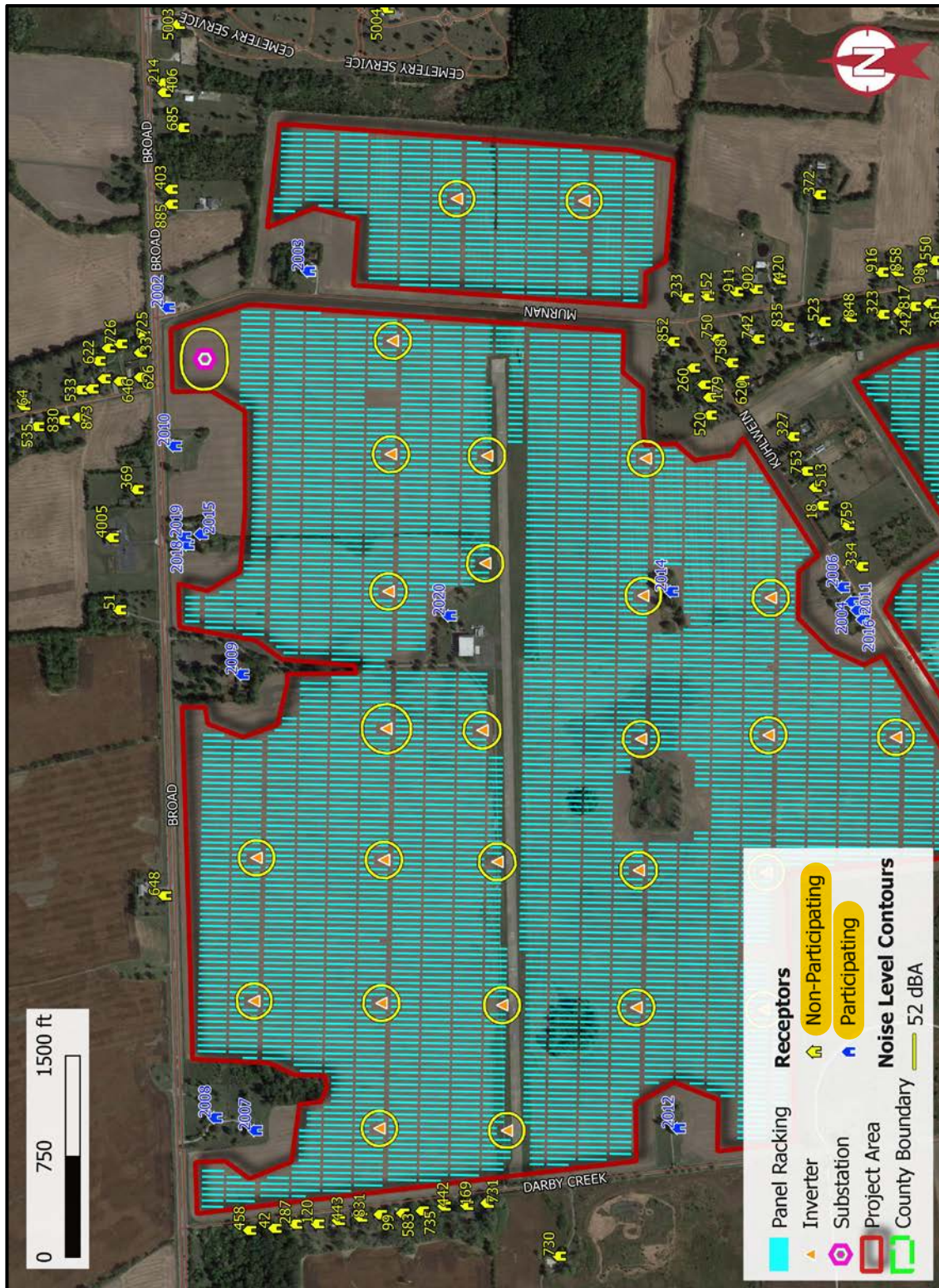


Figure 7-1. Predicted Daytime Operational Noise Level Contours – Northern Area

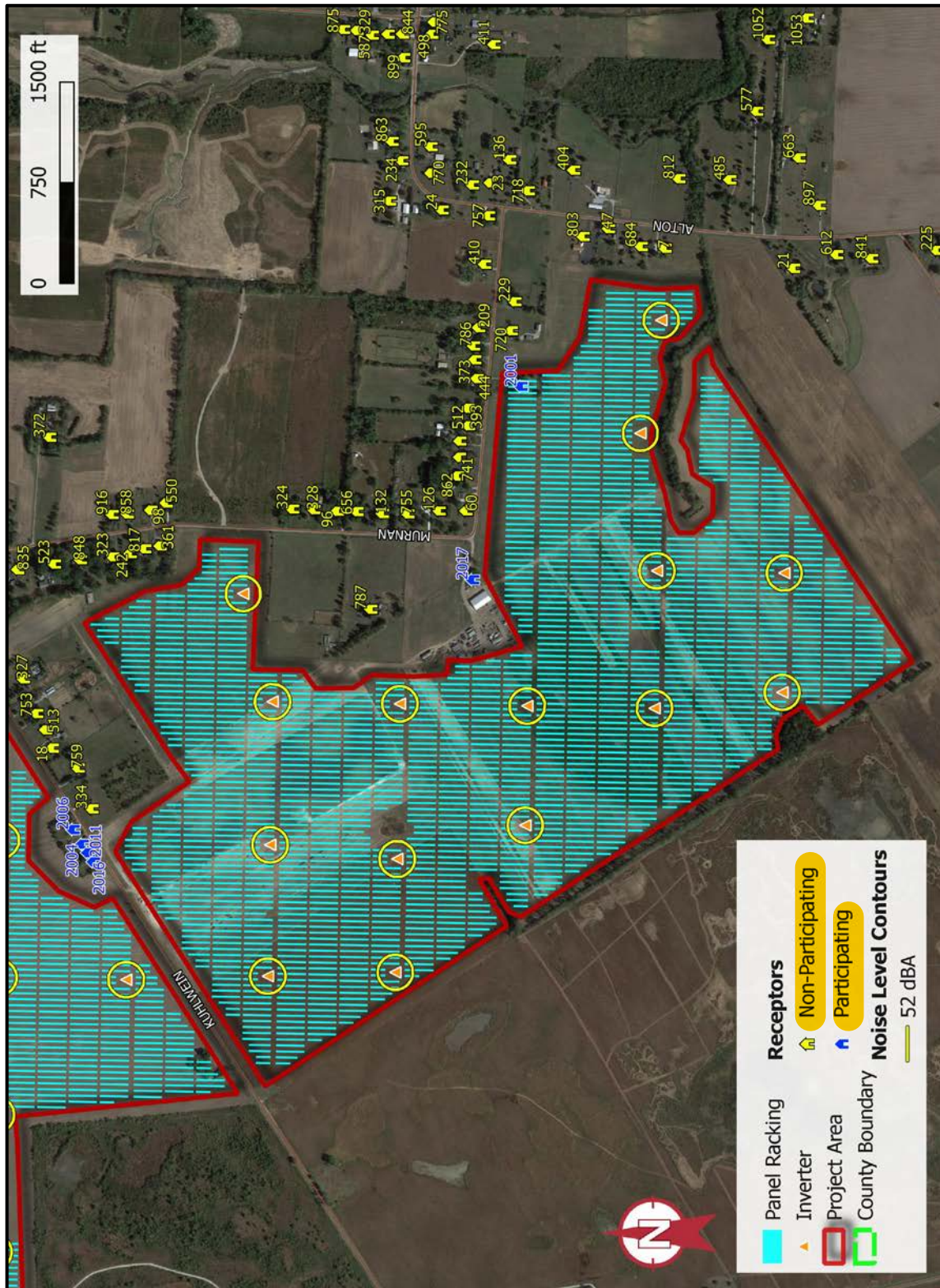


Figure 7-2. Predicted Daytime Operational Noise Level Contours – North-Central Area

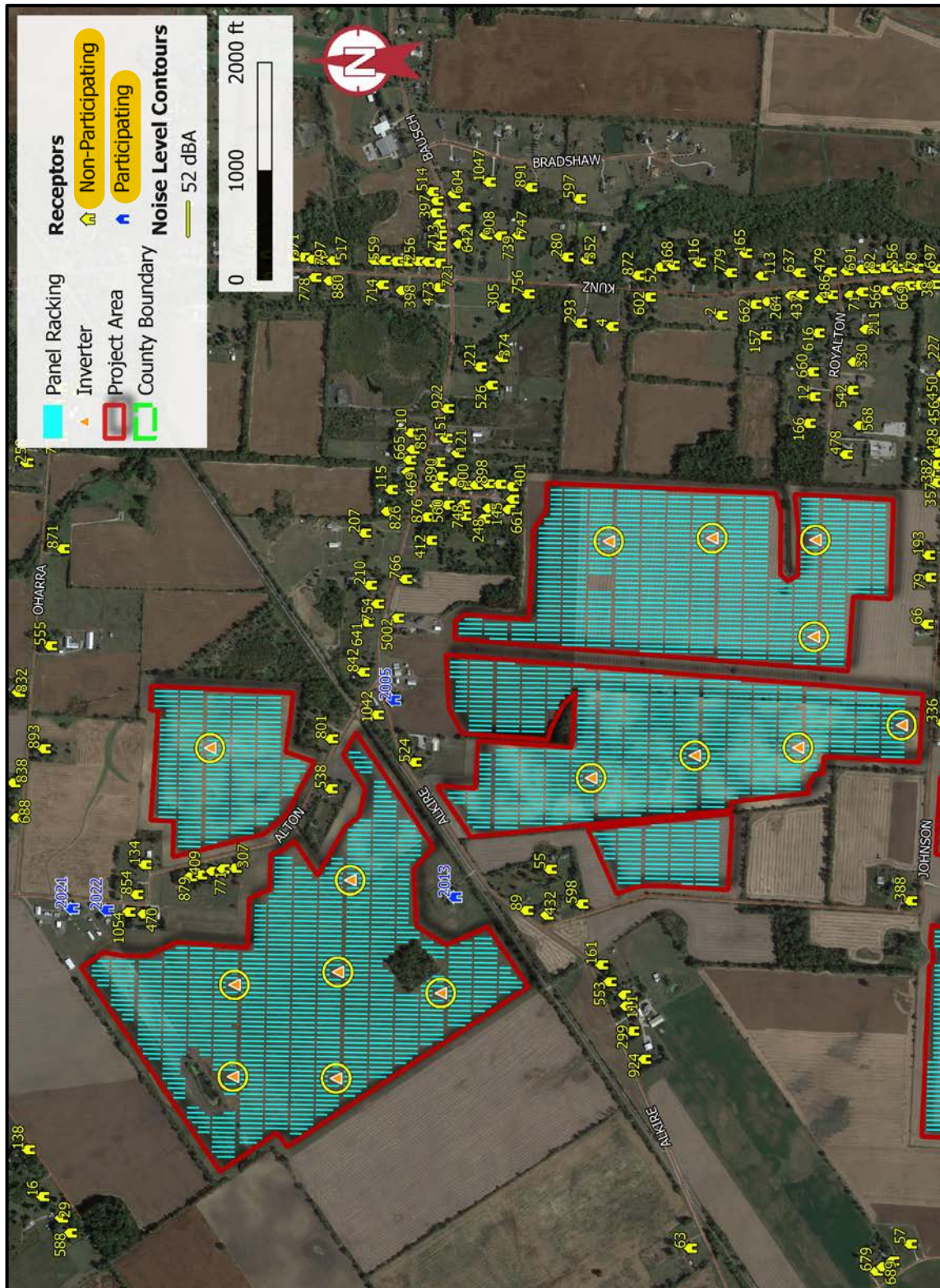


Figure 7-3. Predicted Daytime Operational Noise Level Contours – South-Central Area

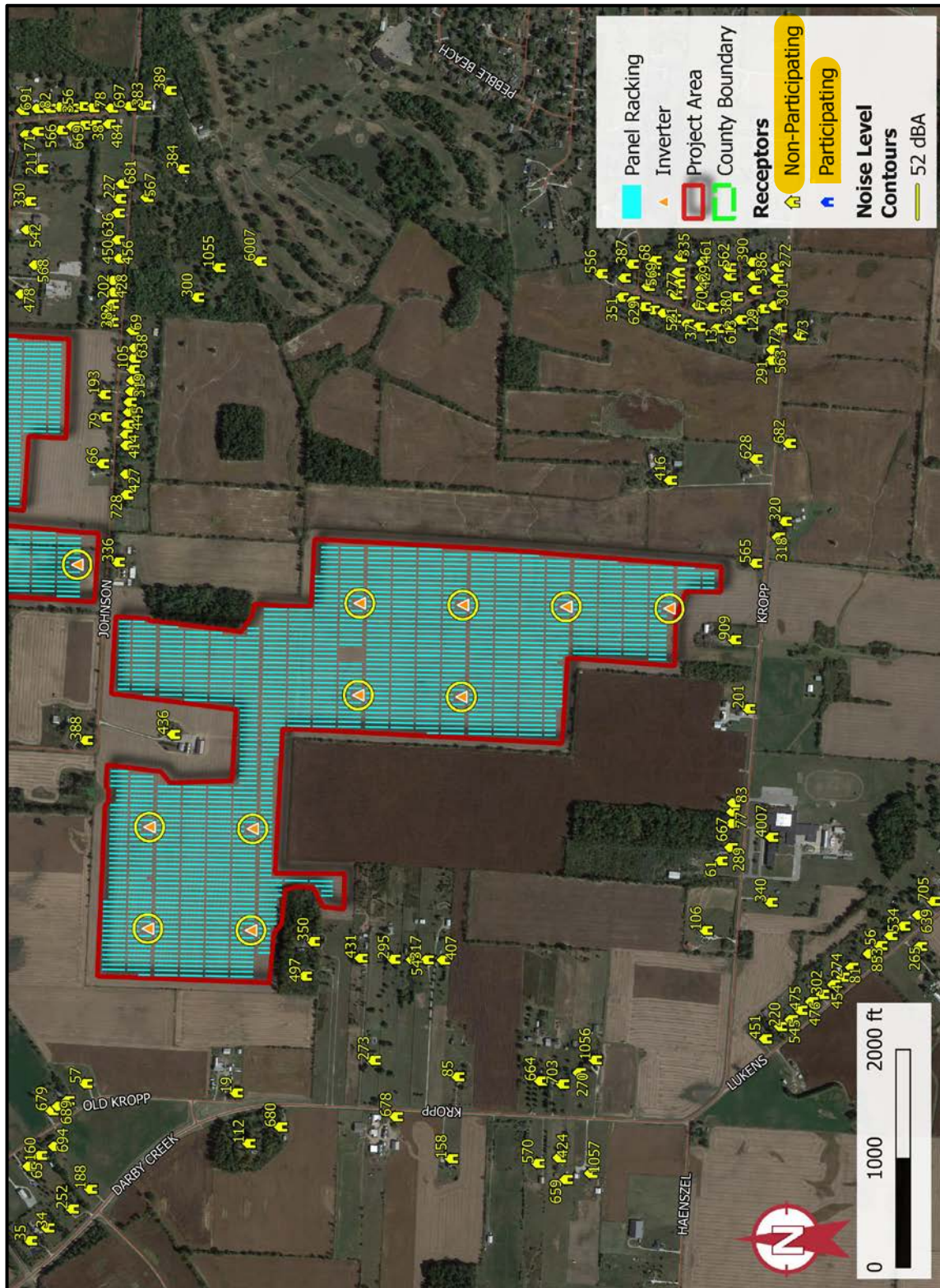


Figure 7-4. Predicted Daytime Operational Noise Level Contours – Southern Area

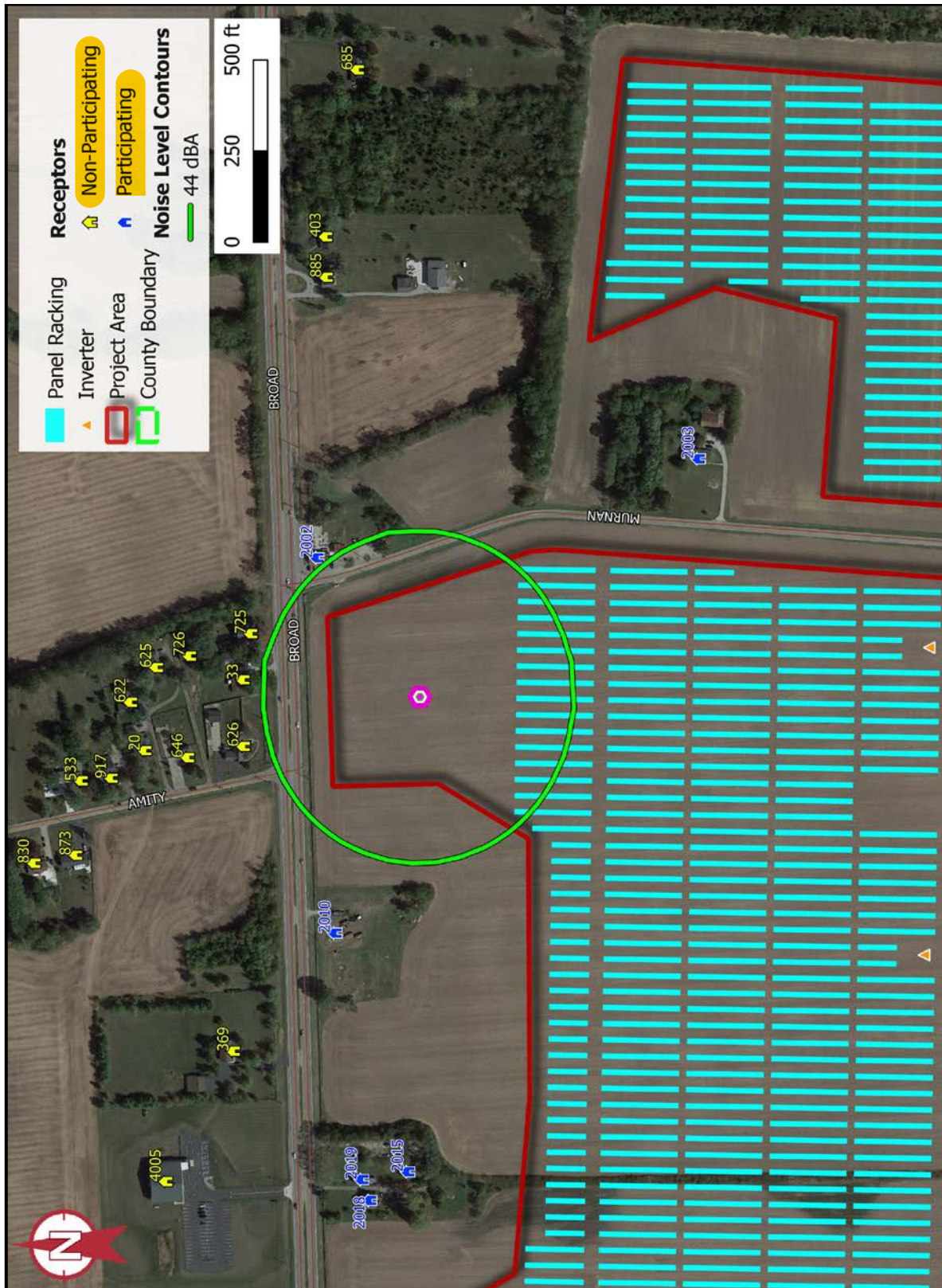


Figure 7-5. Predicted Nighttime Operational Noise Level Contour

Appendix A: Photographs of Measurement Locations



Figure A-1. Photographs of Location LT1

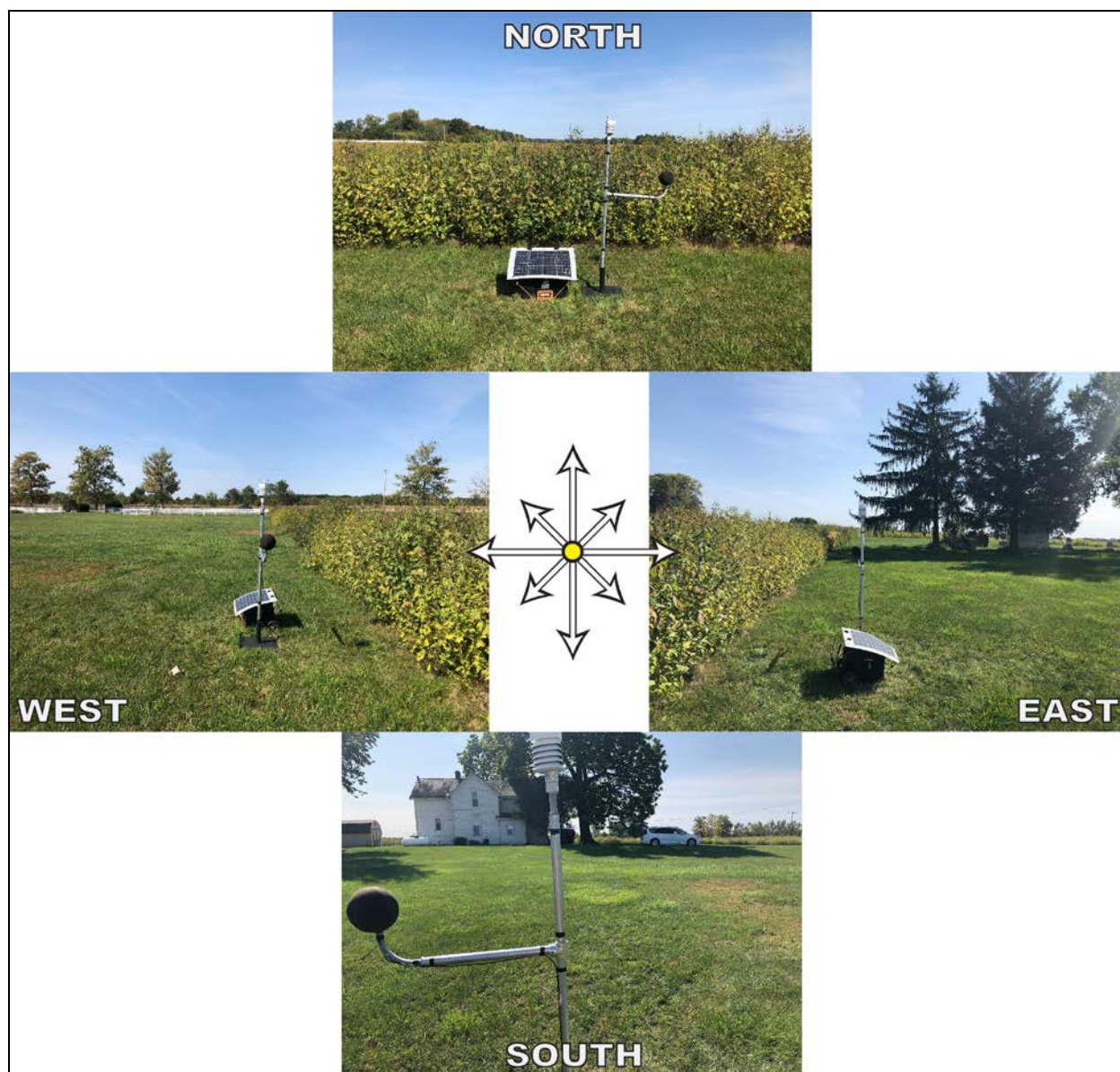


Figure A-2. Photographs of Location LT2



Figure A-3. Photographs of Location LT3



Figure A-4. Photographs of Location LT4

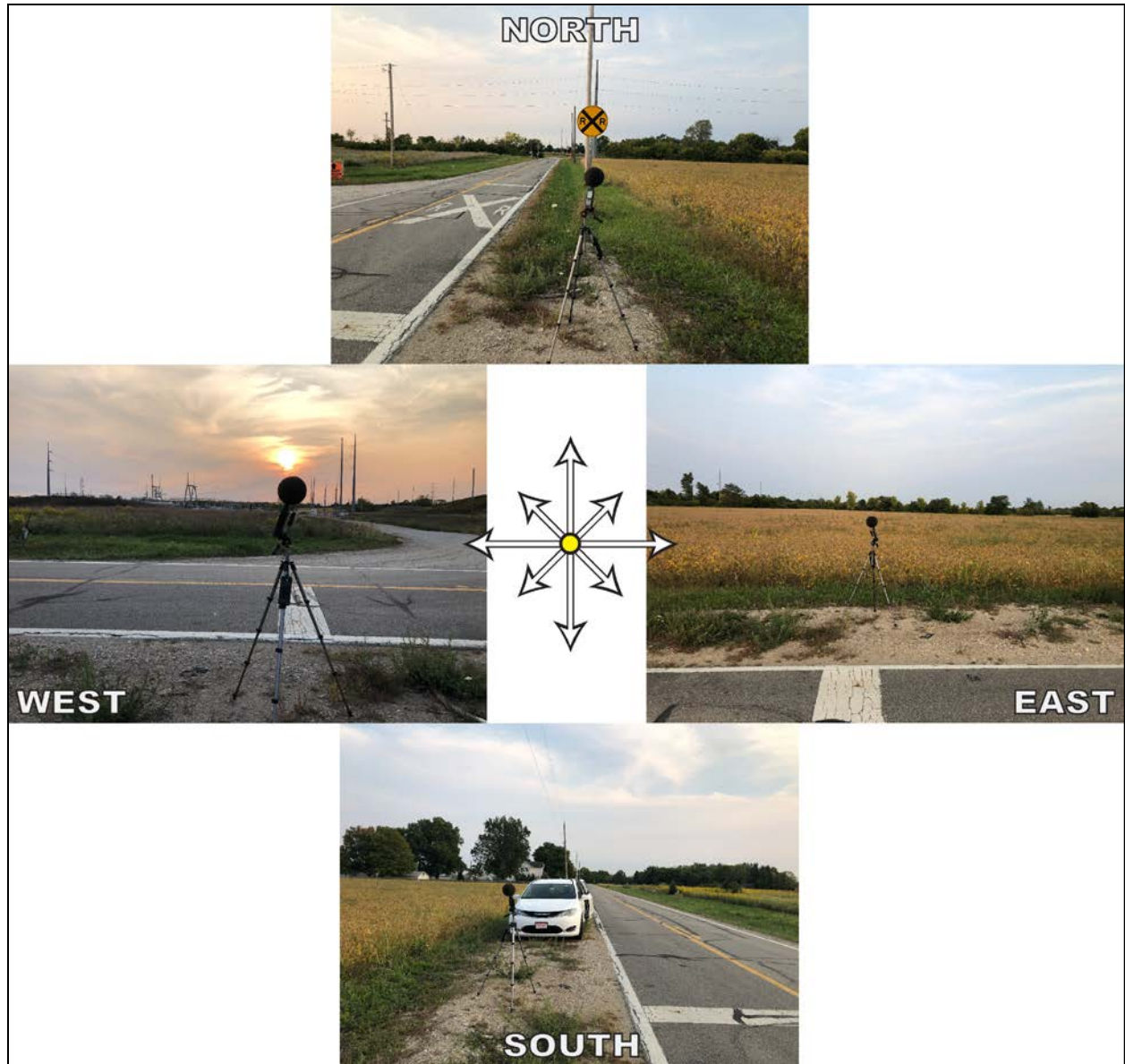


Figure A-5. Photographs of Location ST1

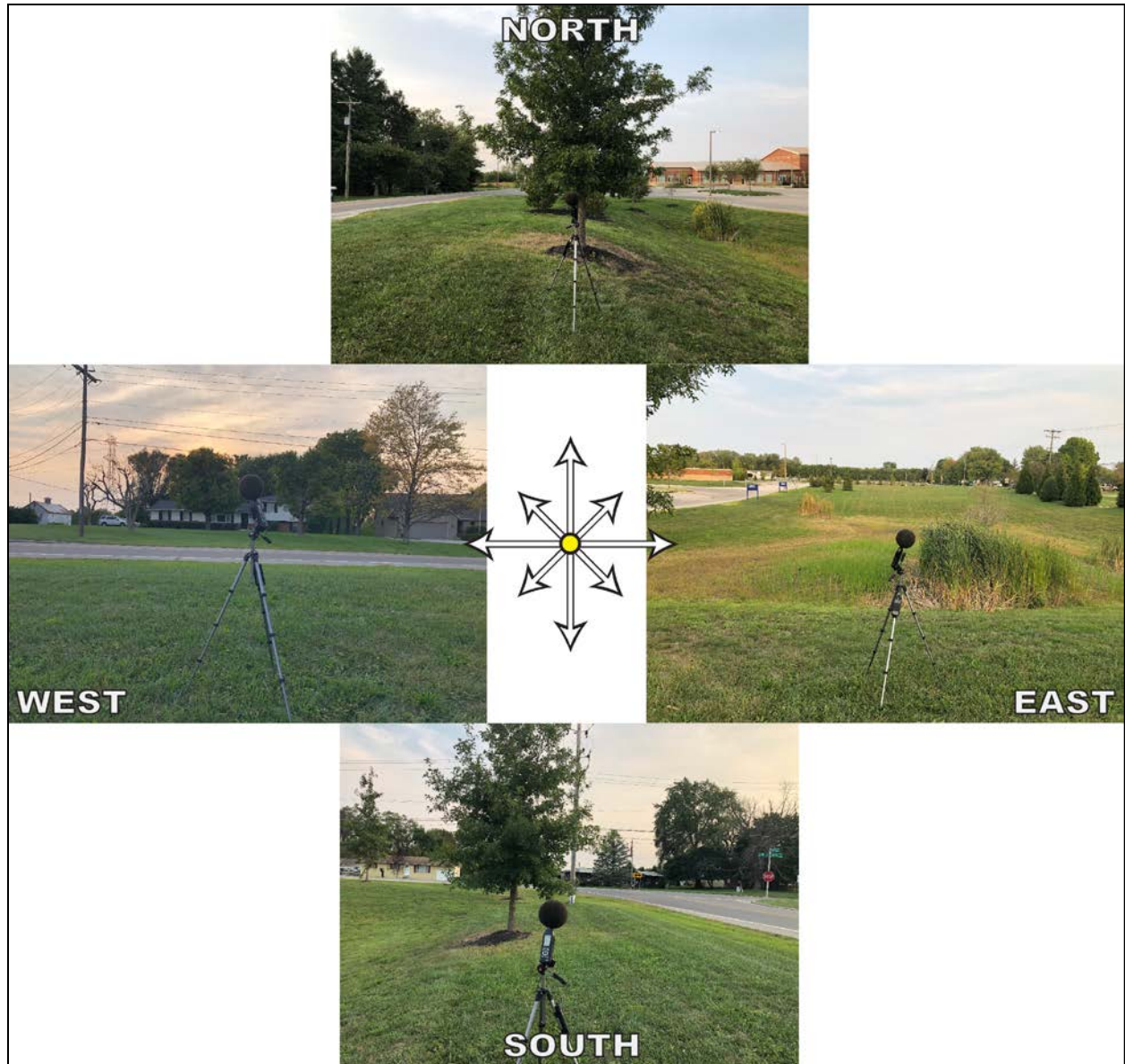


Figure A-6. Photographs of Location ST2



Figure A-7. Photographs of Location ST3

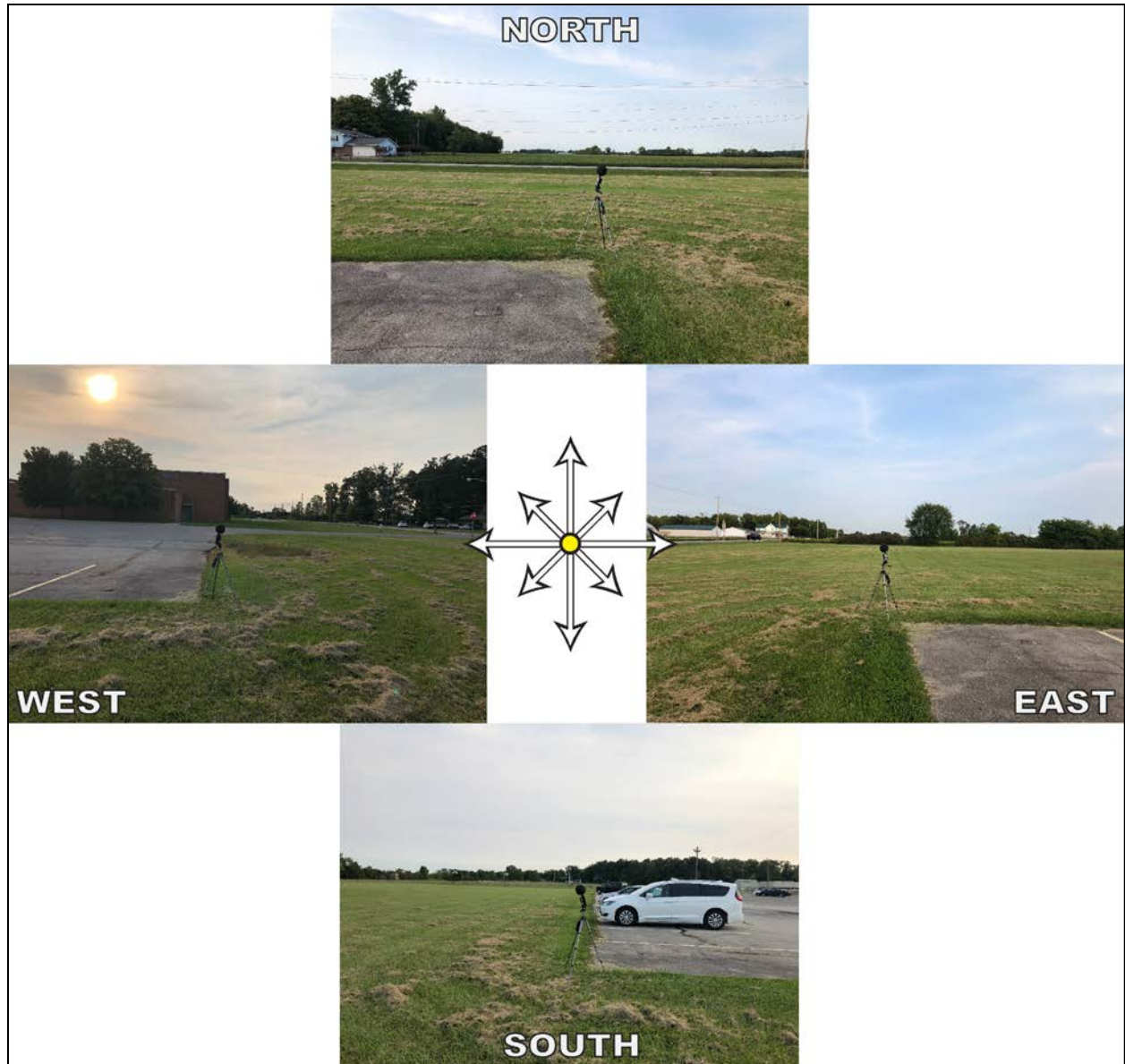


Figure A-8. Photographs of Location ST4

Appendix B: Predicted Construction Noise Levels

Table B-1. Predicted Construction Noise Levels

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
Project Boundary	Worst Case (3.3 ft)	112	111	115	106	104
R1	NP Residence	54	53	63	48	46
R2	NP Residence	57	56	66	51	49
R3	NP Residence	55	54	64	49	47
R4	NP Residence	58	57	66	52	50
R5	NP Residence	53	52	62	47	45
R6	NP Residence	50	50	60	44	43
R7	NP Residence	75	74	82	69	67
R8	NP Residence	50	49	60	44	42
R9	NP Residence	50	50	60	44	43
R10	NP Residence	48	48	58	42	41
R11	NP Residence	48	47	58	42	40
R12	NP Residence	62	62	71	56	55
R13	NP Residence	54	53	63	48	46
R14	NP Residence	52	51	61	46	44
R15	NP Residence	46	45	56	40	38
R16	NP Residence	58	57	67	52	50
R17	NP Residence	50	50	60	44	43
R18	NP Residence	71	70	78	65	63
R19	NP Residence	61	60	69	55	53
R20	NP Residence	61	60	69	55	53
R21	NP Residence	60	60	69	54	53
R22	NP Residence	54	53	63	48	46
R23	NP Residence	62	61	70	56	54
R24	NP Residence	60	60	69	54	53
R25	NP Residence	51	50	60	45	43
R26	NP Residence	50	50	60	44	43
R27	NP Residence	49	48	59	43	41
R28	NP Residence	49	49	59	43	42
R29	NP Residence	58	57	67	52	50
R30	NP Residence	49	49	59	43	42
R31	NP Residence	69	68	76	63	61
R32	NP Residence	51	50	60	45	43
R33	NP Residence	62	62	71	56	55

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R34	NP Residence	53	53	63	47	46
R35	NP Residence	53	52	62	47	45
R36	NP Residence	56	55	65	50	48
R37	NP Residence	54	53	63	48	46
R38	NP Residence	55	54	64	49	47
R39	NP Residence	46	45	56	40	38
R40	NP Residence	49	48	58	43	41
R41	NP Residence	47	46	57	41	39
R42	NP Residence	70	69	77	64	62
R43	NP Residence	48	47	58	42	40
R44	NP Residence	48	47	58	42	40
R45	NP Residence	53	53	63	47	46
R46	NP Residence	52	52	62	46	45
R47	NP Residence	71	70	78	65	63
R48	NP Residence	49	49	59	43	42
R49	NP Residence	48	47	57	42	40
R50	NP Residence	51	50	61	45	43
R51	NP Residence	67	66	75	61	59
R52	NP Residence	55	54	64	49	47
R53	NP Residence	44	44	54	38	37
R54	NP Residence	57	56	66	51	49
R55	NP Residence	69	68	77	63	61
R56	NP Residence	49	49	59	43	42
R57	NP Residence	62	61	70	56	54
R58	NP Residence	49	48	59	43	41
R59	NP Residence	48	48	58	42	41
R60	NP Residence	72	72	80	66	65
R61	NP Residence	55	55	64	49	48
R62	NP Residence	49	49	59	43	42
R63	NP Residence	53	53	63	47	46
R64	NP Residence	57	56	66	51	49
R65	NP Residence	56	55	65	50	48
R66	NP Residence	70	70	78	64	63
R67	NP Residence	53	53	62	47	46
R68	NP Residence	52	51	61	46	44
R69	NP Residence	66	65	74	60	58

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R70	NP Residence	53	53	62	47	46
R71	NP Residence	55	55	65	49	48
R72	NP Residence	53	53	63	47	46
R73	NP Residence	53	53	63	47	46
R74	NP Residence	45	45	55	39	38
R75	NP Residence	49	48	59	43	41
R76	NP Residence	49	49	59	43	42
R77	NP Residence	56	55	65	50	48
R78	NP Residence	54	53	63	48	46
R79	NP Residence	71	70	78	65	63
R80	NP Residence	48	47	58	42	40
R81	NP Residence	50	49	59	44	42
R82	NP Residence	54	54	63	48	47
R83	NP Residence	56	55	65	50	48
R84	NP Residence	50	50	60	44	43
R85	NP Residence	55	54	64	49	47
R86	NP Residence	55	54	64	49	47
R87	NP Residence	68	67	76	62	60
R88	NP Residence	45	44	55	39	37
R89	NP Residence	67	66	75	61	59
R90	NP Residence	52	51	61	46	44
R91	NP Residence	48	48	58	42	41
R92	NP Residence	48	47	58	42	40
R93	NP Residence	51	50	60	45	43
R94	NP Residence	52	51	61	46	44
R95	NP Residence	48	47	58	42	40
R96	NP Residence	65	64	73	59	57
R97	NP Residence	50	49	59	44	42
R98	NP Residence	68	67	75	62	60
R99	NP Residence	71	71	79	65	64
R100	NP Residence	49	48	59	43	41
R101	NP Residence	48	48	58	42	41
R102	NP Residence	47	47	57	41	40
R103	NP Residence	54	53	63	48	46
R104	NP Residence	47	47	57	41	40
R105	NP Residence	66	66	74	60	59

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R106	NP Residence	54	53	63	48	46
R107	NP Residence	48	48	58	42	41
R108	NP Residence	52	51	61	46	44
R109	NP Residence	50	49	60	44	42
R110	NP Residence	58	57	66	52	50
R111	NP Residence	61	60	69	55	53
R112	NP Residence	57	57	66	51	50
R113	NP Residence	55	54	64	49	47
R114	NP Residence	48	48	58	42	41
R115	NP Residence	58	57	67	52	50
R116	NP Residence	54	54	64	48	47
R117	NP Residence	48	48	58	42	41
R118	NP Residence	42	42	53	36	35
R119	NP Residence	48	47	57	42	40
R120	NP Residence	71	70	79	65	63
R121	NP Residence	61	61	70	55	54
R122	NP Residence	51	51	61	45	44
R123	NP Residence	49	49	59	43	42
R124	NP Residence	49	49	59	43	42
R125	NP Residence	48	48	58	42	41
R126	NP Residence	67	67	75	61	60
R127	NP Residence	44	43	54	38	36
R128	NP Residence	45	44	55	39	37
R129	NP Residence	53	52	62	47	45
R130	NP Residence	46	46	56	40	39
R131	NP Residence	48	47	58	42	40
R132	NP Residence	62	61	70	56	54
R133	NP Residence	51	50	60	45	43
R134	NP Residence	69	68	77	63	61
R135	NP Residence	48	48	58	42	41
R136	NP Residence	61	61	70	55	54
R137	NP Residence	54	54	63	48	47
R138	NP Residence	58	58	67	52	51
R139	NP Residence	48	47	58	42	40
R140	NP Residence	51	50	60	45	43
R141	NP Residence	48	47	58	42	40

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R142	NP Residence	49	48	59	43	41
R143	NP Residence	48	47	58	42	40
R144	NP Residence	52	52	62	46	45
R145	NP Residence	65	64	73	59	57
R146	NP Residence	53	53	63	47	46
R147	NP Residence	48	48	58	42	41
R148	NP Residence	53	52	62	47	45
R149	NP Residence	50	50	60	44	43
R150	NP Residence	50	49	59	44	42
R151	NP Residence	60	59	69	54	52
R152	NP Residence	67	67	75	61	60
R153	NP Residence	54	53	63	48	46
R154	NP Residence	49	48	58	43	41
R155	NP Residence	54	54	64	48	47
R156	NP Residence	52	52	62	46	45
R157	NP Residence	58	57	67	52	50
R158	NP Residence	53	52	62	47	45
R159	NP Residence	45	45	55	39	38
R160	NP Residence	56	56	65	50	49
R161	NP Residence	62	62	71	56	55
R162	NP Residence	46	46	56	40	39
R163	NP Residence	46	45	56	40	38
R164	NP Residence	46	46	56	40	39
R165	NP Residence	54	53	63	48	46
R166	NP Residence	65	65	74	59	58
R167	NP Residence	54	53	63	48	46
R168	NP Residence	55	54	64	49	47
R169	NP Residence	71	70	78	65	63
R170	NP Residence	46	46	56	40	39
R171	NP Residence	52	52	62	46	45
R172	NP Residence	58	57	66	52	50
R173	NP Residence	50	50	60	44	43
R174	NP Residence	53	53	63	47	46
R175	NP Residence	49	49	59	43	42
R176	NP Residence	49	48	58	43	41
R177	NP Residence	49	48	58	43	41

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R178	NP Residence	49	48	58	43	41
R179	NP Residence	68	68	76	62	61
R180	NP Residence	48	48	58	42	41
R181	NP Residence	50	49	59	44	42
R182	NP Residence	51	50	60	45	43
R183	NP Residence	53	52	62	47	45
R184	NP Residence	49	49	59	43	42
R185	NP Residence	53	52	62	47	45
R186	NP Residence	50	49	60	44	42
R187	NP Residence	50	49	60	44	42
R188	NP Residence	55	54	64	49	47
R189	NP Residence	46	46	56	40	39
R190	NP Residence	45	45	56	39	38
R191	NP Residence	50	49	59	44	42
R192	NP Residence	49	48	59	43	41
R193	NP Residence	71	70	78	65	63
R194	NP Residence	48	47	58	42	40
R195	NP Residence	48	48	58	42	41
R196	NP Residence	56	56	65	50	49
R197	NP Residence	47	47	57	41	40
R198	NP Residence	49	49	59	43	42
R199	NP Residence	67	66	75	61	59
R200	NP Residence	49	48	59	43	41
R201	NP Residence	60	60	69	54	53
R202	NP Residence	64	63	72	58	56
R203	NP Residence	48	47	58	42	40
R204	NP Residence	50	50	60	44	43
R205	NP Residence	46	46	56	40	39
R206	NP Residence	52	52	62	46	45
R207	NP Residence	58	58	67	52	51
R208	NP Residence	47	47	57	41	40
R209	NP Residence	71	71	79	65	64
R210	NP Residence	60	60	69	54	53
R211	NP Residence	57	56	66	51	49
R212	NP Residence	46	45	56	40	38
R213	NP Residence	50	49	59	44	42

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R214	NP Residence	62	61	70	56	54
R215	NP Residence	51	51	61	45	44
R216	NP Residence	50	49	60	44	42
R217	NP Residence	48	48	58	42	41
R218	NP Residence	54	54	63	48	47
R219	NP Residence	50	49	60	44	42
R220	NP Residence	50	49	60	44	42
R221	NP Residence	59	58	68	53	51
R222	NP Residence	47	46	57	41	39
R223	NP Residence	54	53	63	48	46
R224	NP Residence	49	49	59	43	42
R225	NP Residence	55	55	64	49	48
R226	NP Residence	48	47	58	42	40
R227	NP Residence	58	57	67	52	50
R228	NP Residence	70	69	77	64	62
R229	NP Residence	70	70	78	64	63
R230	NP Residence	52	51	61	46	44
R231	NP Residence	54	53	63	48	46
R232	NP Residence	61	61	70	55	54
R233	NP Residence	70	70	78	64	63
R234	NP Residence	57	57	66	51	50
R235	NP Residence	50	50	60	44	43
R236	NP Residence	49	48	59	43	41
R237	NP Residence	50	50	60	44	43
R238	NP Residence	48	48	58	42	41
R239	NP Residence	48	48	58	42	41
R240	NP Residence	50	49	60	44	42
R241	NP Residence	48	47	58	42	40
R242	NP Residence	68	67	76	62	60
R243	NP Residence	54	54	63	48	47
R244	NP Residence	49	49	59	43	42
R245	NP Residence	48	48	58	42	41
R246	NP Residence	48	48	58	42	41
R247	NP Residence	54	53	63	48	46
R248	NP Residence	65	65	73	59	58
R249	NP Residence	49	48	59	43	41

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R250	NP Residence	50	49	60	44	42
R251	NP Residence	47	46	57	41	39
R252	NP Residence	54	54	63	48	47
R253	NP Residence	48	47	58	42	40
R254	NP Residence	49	49	59	43	42
R255	NP Residence	49	48	59	43	41
R256	NP Residence	53	52	62	47	45
R257	NP Residence	49	49	59	43	42
R258	NP Residence	51	50	61	45	43
R259	NP Residence	51	50	60	45	43
R260	NP Residence	70	69	77	64	62
R261	NP Residence	52	52	62	46	45
R262	NP Residence	53	53	63	47	46
R263	NP Residence	66	66	74	60	59
R264	NP Residence	56	55	65	50	48
R265	NP Residence	49	48	59	43	41
R266	NP Residence	51	50	60	45	43
R267	NP Residence	54	54	63	48	47
R268	NP Residence	45	45	55	39	38
R269	NP Residence	50	49	59	44	42
R270	NP Residence	51	50	60	45	43
R271	NP Residence	53	52	62	47	45
R272	NP Residence	51	51	61	45	44
R273	NP Residence	59	58	68	53	51
R274	NP Residence	50	49	59	44	42
R275	NP Residence	50	49	60	44	42
R276	NP Residence	52	51	61	46	44
R277	NP Residence	52	51	61	46	44
R278	NP Residence	47	46	57	41	39
R279	NP Residence	47	47	57	41	40
R280	NP Residence	54	54	64	48	47
R281	NP Residence	47	46	57	41	39
R282	NP Residence	47	46	57	41	39
R283	NP Residence	51	50	61	45	43
R284	NP Residence	50	49	59	44	42
R285	NP Residence	50	49	59	44	42

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R286	NP Residence	48	47	58	42	40
R287	NP Residence	71	70	78	65	63
R288	NP Residence	49	49	59	43	42
R289	NP Residence	55	55	64	49	48
R290	NP Residence	50	50	60	44	43
R291	NP Residence	54	54	64	48	47
R292	NP Residence	52	52	62	46	45
R293	NP Residence	58	57	66	52	50
R294	NP Residence	48	48	58	42	41
R295	NP Residence	59	59	68	53	52
R296	NP Residence	49	48	59	43	41
R297	NP Residence	46	45	56	40	38
R298	NP Residence	48	47	58	42	40
R299	NP Residence	60	59	68	54	52
R300	NP Residence	59	58	68	53	51
R301	NP Residence	53	52	62	47	45
R302	NP Residence	50	49	59	44	42
R303	NP Residence	49	48	59	43	41
R304	NP Residence	50	49	60	44	42
R305	NP Residence	56	56	65	50	49
R306	NP Residence	49	48	58	43	41
R307	NP Residence	71	70	78	65	63
R308	NP Residence	50	50	60	44	43
R309	NP Residence	50	49	60	44	42
R310	NP Residence	50	50	60	44	43
R311	NP Residence	48	48	58	42	41
R312	NP Residence	49	49	59	43	42
R313	NP Residence	50	50	60	44	43
R314	NP Residence	48	47	58	42	40
R315	NP Residence	58	57	66	52	50
R316	NP Residence	49	48	58	43	41
R317	NP Residence	58	57	67	52	50
R318	NP Residence	62	61	70	56	54
R319	NP Residence	66	65	74	60	58
R320	NP Residence	61	60	69	55	53
R321	NP Residence	45	45	56	39	38

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R322	NP Residence	48	48	58	42	41
R323	NP Residence	68	67	76	62	60
R324	NP Residence	70	70	78	64	63
R325	NP Residence	49	49	59	43	42
R326	NP Residence	50	49	60	44	42
R327	NP Residence	68	68	76	62	61
R328	NP Residence	68	67	75	62	60
R329	NP Residence	53	52	62	47	45
R330	NP Residence	59	59	68	53	52
R331	NP Residence	49	48	59	43	41
R332	NP Residence	47	47	57	41	40
R333	NP Residence	46	45	56	40	38
R334	NP Residence	70	69	78	64	62
R335	NP Residence	52	51	61	46	44
R336	NP Residence	75	74	82	69	67
R337	NP Residence	47	47	57	41	40
R338	NP Residence	55	55	64	49	48
R339	NP Residence	52	52	62	46	45
R340	NP Residence	53	52	62	47	45
R341	NP Residence	47	46	57	41	39
R342	NP Residence	53	53	63	47	46
R343	NP Residence	49	49	59	43	42
R344	NP Residence	53	52	62	47	45
R345	NP Residence	48	48	58	42	41
R346	NP Residence	50	49	60	44	42
R347	NP Residence	48	47	58	42	40
R348	NP Residence	49	49	59	43	42
R349	NP Residence	49	48	59	43	41
R350	NP Residence	68	68	76	62	61
R351	NP Residence	53	52	62	47	45
R352	NP Residence	54	54	64	48	47
R353	NP Residence	54	53	63	48	46
R354	NP Residence	46	45	56	40	38
R355	NP Residence	46	45	56	40	38
R356	NP Residence	54	54	63	48	47
R357	NP Residence	69	68	77	63	61

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R358	NP Residence	49	48	59	43	41
R359	NP Residence	49	48	59	43	41
R360	NP Residence	42	41	53	36	34
R361	NP Residence	71	70	79	65	63
R362	NP Residence	49	48	59	43	41
R363	NP Residence	50	50	60	44	43
R364	NP Residence	50	50	60	44	43
R365	NP Residence	49	48	59	43	41
R366	NP Residence	55	55	64	49	48
R367	NP Residence	50	49	59	44	42
R368	NP Residence	50	49	59	44	42
R369	NP Residence	64	63	72	58	56
R370	NP Residence	51	50	61	45	43
R371	NP Residence	50	49	60	44	42
R372	NP Residence	59	59	68	53	52
R373	NP Residence	72	71	79	66	64
R374	NP Residence	59	58	68	53	51
R375	NP Residence	52	52	62	46	45
R376	NP Residence	53	52	62	47	45
R377	NP Residence	52	51	61	46	44
R378	NP Residence	52	51	61	46	44
R379	NP Residence	49	49	59	43	42
R380	NP Residence	53	52	62	47	45
R381	NP Residence	51	51	61	45	44
R382	NP Residence	67	66	74	61	59
R383	NP Residence	54	53	63	48	46
R384	NP Residence	55	54	64	49	47
R385	NP Residence	47	46	57	41	39
R386	NP Residence	52	51	61	46	44
R387	NP Residence	52	51	61	46	44
R388	NP Residence	72	71	79	66	64
R389	NP Residence	53	52	62	47	45
R390	NP Residence	51	51	61	45	44
R391	NP Residence	47	46	57	41	39
R392	NP Residence	49	48	59	43	41
R393	NP Residence	71	71	79	65	64

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R394	NP Residence	48	48	58	42	41
R395	NP Residence	49	49	59	43	42
R396	NP Residence	60	59	68	54	52
R397	NP Residence	52	51	61	46	44
R398	NP Residence	53	53	63	47	46
R399	NP Residence	52	51	61	46	44
R400	NP Residence	52	52	62	46	45
R401	NP Residence	68	68	76	62	61
R402	NP Residence	49	49	59	43	42
R403	NP Residence	64	63	72	58	56
R404	NP Residence	63	62	71	57	55
R405	NP Residence	50	49	59	44	42
R406	NP Residence	62	62	71	56	55
R407	NP Residence	56	56	65	50	49
R408	NP Residence	54	53	63	48	46
R409	NP Residence	70	70	78	64	63
R410	NP Residence	65	65	73	59	58
R411	NP Residence	55	55	65	49	48
R412	NP Residence	63	62	71	57	55
R413	NP Residence	53	52	62	47	45
R414	NP Residence	67	66	75	61	59
R415	NP Residence	48	48	58	42	41
R416	NP Residence	64	63	72	58	56
R417	NP Residence	49	49	59	43	42
R418	NP Residence	60	60	69	54	53
R419	NP Residence	48	48	58	42	41
R420	NP Residence	61	60	70	55	53
R421	NP Residence	60	59	69	54	52
R422	NP Residence	49	48	58	43	41
R423	NP Residence	47	47	57	41	40
R424	NP Residence	50	50	60	44	43
R425	NP Residence	48	48	58	42	41
R426	NP Residence	50	49	59	44	42
R427	NP Residence	66	65	74	60	58
R428	NP Residence	65	64	73	59	57
R429	NP Residence	53	52	62	47	45

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R430	NP Residence	53	53	63	47	46
R431	NP Residence	62	61	70	56	54
R432	NP Residence	65	64	73	59	57
R433	NP Residence	49	48	58	43	41
R434	NP Residence	50	50	60	44	43
R435	NP Residence	46	46	56	40	39
R436	NP Residence	71	70	78	65	63
R437	NP Residence	56	55	65	50	48
R438	NP Residence	51	50	60	45	43
R439	NP Residence	47	46	57	41	39
R440	NP Residence	54	53	63	48	46
R441	NP Residence	55	55	64	49	48
R442	NP Residence	71	71	79	65	64
R443	NP Residence	71	70	78	65	63
R444	NP Residence	72	71	79	66	64
R445	NP Residence	66	65	74	60	58
R446	NP Residence	53	52	62	47	45
R447	NP Residence	47	47	57	41	40
R448	NP Residence	49	49	59	43	42
R449	NP Residence	52	52	62	46	45
R450	NP Residence	60	60	69	54	53
R451	NP Residence	50	49	60	44	42
R452	NP Residence	51	51	61	45	44
R453	NP Residence	45	45	56	39	38
R454	NP Residence	50	49	59	44	42
R455	NP Residence	45	45	56	39	38
R456	NP Residence	62	61	70	56	54
R457	NP Residence	46	45	56	40	38
R458	NP Residence	68	67	76	62	60
R459	NP Residence	45	45	55	39	38
R460	NP Residence	48	48	58	42	41
R461	NP Residence	52	51	61	46	44
R462	NP Residence	48	48	58	42	41
R463	NP Residence	49	49	59	43	42
R464	NP Residence	45	45	56	39	38
R465	NP Residence	45	44	55	39	37

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R466	NP Residence	49	49	59	43	42
R467	NP Residence	49	48	59	43	41
R468	NP Residence	46	45	56	40	38
R469	NP Residence	58	57	67	52	50
R470	NP Residence	70	69	78	64	62
R471	NP Residence	53	52	62	47	45
R472	NP Residence	49	49	59	43	42
R473	NP Residence	54	54	63	48	47
R474	NP Residence	48	47	58	42	40
R475	NP Residence	50	49	60	44	42
R476	NP Residence	50	49	60	44	42
R477	NP Residence	45	45	55	39	38
R478	NP Residence	71	70	78	65	63
R479	NP Residence	54	54	64	48	47
R480	NP Residence	49	49	59	43	42
R481	NP Residence	48	47	58	42	40
R482	NP Residence	48	47	57	42	40
R483	NP Residence	48	47	58	42	40
R484	NP Residence	55	54	64	49	47
R485	NP Residence	61	61	70	55	54
R486	NP Residence	56	55	65	50	48
R487	NP Residence	49	49	59	43	42
R488	NP Residence	51	50	60	45	43
R489	NP Residence	53	52	62	47	45
R490	NP Residence	46	45	56	40	38
R491	NP Residence	49	48	59	43	41
R492	NP Residence	54	54	63	48	47
R493	NP Residence	51	50	61	45	43
R494	NP Residence	48	47	58	42	40
R495	NP Residence	56	55	65	50	48
R496	NP Residence	50	49	59	44	42
R497	NP Residence	70	69	77	64	62
R498	NP Residence	54	54	63	48	47
R499	NP Residence	55	55	65	49	48
R500	NP Residence	54	53	63	48	46
R501	NP Residence	47	46	57	41	39

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R502	NP Residence	67	66	75	61	59
R503	NP Residence	48	47	58	42	40
R504	NP Residence	49	49	59	43	42
R505	NP Residence	48	47	58	42	40
R506	NP Residence	44	44	55	38	37
R507	NP Residence	48	47	58	42	40
R508	NP Residence	48	47	58	42	40
R509	NP Residence	49	48	59	43	41
R510	NP Residence	47	46	57	41	39
R511	NP Residence	48	47	58	42	40
R512	NP Residence	71	70	78	65	63
R513	NP Residence	70	70	78	64	63
R514	NP Residence	51	51	61	45	44
R515	NP Residence	52	51	61	46	44
R516	NP Residence	48	48	58	42	41
R517	NP Residence	51	51	61	45	44
R518	NP Residence	52	51	61	46	44
R519	NP Residence	48	47	58	42	40
R520	NP Residence	71	70	78	65	63
R521	NP Residence	53	53	63	47	46
R522	NP Residence	47	47	57	41	40
R523	NP Residence	65	64	73	59	57
R524	NP Residence	75	74	82	69	67
R525	NP Residence	48	47	58	42	40
R526	NP Residence	60	60	69	54	53
R527	NP Residence	50	49	59	44	42
R528	NP Residence	54	54	64	48	47
R529	NP Residence	49	48	58	43	41
R530	NP Residence	60	60	69	54	53
R531	NP Residence	53	52	62	47	45
R532	NP Residence	49	49	59	43	42
R533	NP Residence	60	59	68	54	52
R534	NP Residence	49	49	59	43	42
R535	NP Residence	57	57	66	51	50
R536	NP Residence	48	47	58	42	40
R537	NP Residence	47	47	57	41	40

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R538	NP Residence	71	70	78	65	63
R539	NP Residence	49	48	59	43	41
R540	NP Residence	46	45	56	40	38
R541	NP Residence	49	49	59	43	42
R542	NP Residence	61	61	70	55	54
R543	NP Residence	50	49	60	44	42
R544	NP Residence	53	52	62	47	45
R545	NP Residence	50	49	60	44	42
R546	NP Residence	50	50	60	44	43
R547	NP Residence	52	51	61	46	44
R548	NP Residence	50	49	60	44	42
R549	NP Residence	49	48	59	43	41
R550	NP Residence	69	68	76	63	61
R551	NP Residence	45	45	55	39	38
R552	NP Residence	50	50	60	44	43
R553	NP Residence	62	61	70	56	54
R554	NP Residence	54	54	63	48	47
R555	NP Residence	58	57	67	52	50
R556	NP Residence	52	52	62	46	45
R557	NP Residence	50	50	60	44	43
R558	NP Residence	49	48	59	43	41
R559	NP Residence	52	52	62	46	45
R560	NP Residence	61	61	70	55	54
R561	NP Residence	54	54	64	48	47
R562	NP Residence	52	51	61	46	44
R563	NP Residence	54	53	63	48	46
R564	NP Residence	50	50	60	44	43
R565	NP Residence	64	63	72	58	56
R566	NP Residence	55	55	64	49	48
R567	NP Residence	57	56	66	51	49
R568	NP Residence	65	64	73	59	57
R569	NP Residence	53	52	62	47	45
R570	NP Residence	51	50	60	45	43
R571	NP Residence	51	50	60	45	43
R572	NP Residence	47	46	57	41	39
R573	NP Residence	48	47	58	42	40

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R574	NP Residence	48	48	58	42	41
R575	NP Residence	49	49	59	43	42
R576	NP Residence	49	49	59	43	42
R577	NP Residence	57	57	66	51	50
R578	NP Residence	49	48	59	43	41
R579	NP Residence	44	44	55	38	37
R580	NP Residence	48	48	58	42	41
R581	NP Residence	48	48	58	42	41
R582	NP Residence	49	49	59	43	42
R583	NP Residence	71	70	79	65	63
R584	NP Residence	50	49	60	44	42
R585	NP Residence	50	49	59	44	42
R586	NP Residence	53	52	62	47	45
R587	NP Residence	53	53	63	47	46
R588	NP Residence	58	57	67	52	50
R589	NP Residence	48	48	58	42	41
R590	NP Residence	54	54	63	48	47
R591	NP Residence	51	50	60	45	43
R592	NP Residence	52	51	61	46	44
R593	NP Residence	48	47	58	42	40
R594	NP Residence	52	51	61	46	44
R595	NP Residence	58	57	67	52	50
R596	NP Residence	48	48	58	42	41
R597	NP Residence	52	52	62	46	45
R598	NP Residence	69	69	77	63	62
R599	NP Residence	52	51	61	46	44
R600	NP Residence	48	48	58	42	41
R601	NP Residence	53	53	63	47	46
R602	NP Residence	56	55	65	50	48
R603	NP Residence	48	47	58	42	40
R604	NP Residence	51	51	61	45	44
R605	NP Residence	51	51	61	45	44
R606	NP Residence	52	51	61	46	44
R607	NP Residence	48	48	58	42	41
R608	NP Residence	53	52	62	47	45
R609	NP Residence	52	51	61	46	44

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R610	NP Residence	50	49	59	44	42
R611	NP Residence	53	53	63	47	46
R612	NP Residence	58	58	67	52	51
R613	NP Residence	53	53	63	47	46
R614	NP Residence	50	50	60	44	43
R615	NP Residence	50	50	60	44	43
R616	NP Residence	57	57	66	51	50
R617	NP Residence	50	50	60	44	43
R618	NP Residence	46	46	57	40	39
R619	NP Residence	49	48	58	43	41
R620	NP Residence	65	64	73	59	57
R621	NP Residence	53	52	62	47	45
R622	NP Residence	60	60	69	54	53
R623	NP Residence	48	48	58	42	41
R624	NP Residence	53	52	62	47	45
R625	NP Residence	60	60	69	54	53
R626	NP Residence	64	63	72	58	56
R627	NP Residence	66	65	74	60	58
R628	NP Residence	60	59	68	54	52
R629	NP Residence	53	53	63	47	46
R630	NP Residence	53	52	62	47	45
R631	NP Residence	52	51	61	46	44
R632	NP Residence	52	51	61	46	44
R633	NP Residence	50	49	59	44	42
R634	NP Residence	50	49	60	44	42
R635	NP Residence	45	44	55	39	37
R636	NP Residence	59	58	68	53	51
R637	NP Residence	55	54	64	49	47
R638	NP Residence	66	66	74	60	59
R639	NP Residence	49	49	59	43	42
R640	NP Residence	51	50	60	45	43
R641	NP Residence	61	61	70	55	54
R642	NP Residence	53	52	62	47	45
R643	NP Residence	52	52	62	46	45
R644	NP Residence	62	62	71	56	55
R645	NP Residence	49	48	59	43	41

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R646	NP Residence	62	61	70	56	54
R647	NP Residence	48	47	58	42	40
R648	NP Residence	71	70	78	65	63
R649	NP Residence	47	46	57	41	39
R650	NP Residence	50	50	60	44	43
R651	NP Residence	49	48	58	43	41
R652	NP Residence	50	50	60	44	43
R653	NP Residence	50	50	60	44	43
R654	NP Residence	51	50	60	45	43
R655	NP Residence	54	54	64	48	47
R656	NP Residence	63	63	72	57	56
R657	NP Residence	48	48	58	42	41
R658	NP Residence	50	50	60	44	43
R659	NP Residence	50	49	60	44	42
R660	NP Residence	60	59	69	54	52
R661	NP Residence	68	67	76	62	60
R662	NP Residence	56	55	65	50	48
R663	NP Residence	58	57	66	52	50
R664	NP Residence	52	51	61	46	44
R665	NP Residence	58	57	67	52	50
R666	NP Residence	66	65	74	60	58
R667	NP Residence	56	55	65	50	48
R668	NP Residence	49	48	59	43	41
R669	NP Residence	55	54	64	49	47
R670	NP Residence	48	47	58	42	40
R671	NP Residence	49	49	59	43	42
R672	NP Residence	46	46	56	40	39
R673	NP Residence	46	45	56	40	38
R674	NP Residence	55	54	64	49	47
R675	NP Residence	48	47	58	42	40
R676	NP Residence	49	48	59	43	41
R677	NP Residence	46	45	56	40	38
R678	NP Residence	56	55	65	50	48
R679	NP Residence	59	58	68	53	51
R680	NP Residence	58	58	67	52	51
R681	NP Residence	57	56	66	51	49

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R682	NP Residence	57	57	66	51	50
R683	NP Residence	48	47	58	42	40
R684	NP Residence	74	74	82	68	67
R685	NP Residence	64	64	73	58	57
R686	NP Residence	48	47	58	42	40
R687	NP Residence	51	51	61	45	44
R688	NP Residence	59	59	68	53	52
R689	NP Residence	59	59	68	53	52
R690	NP Residence	48	47	58	42	40
R691	NP Residence	54	54	64	48	47
R692	NP Residence	48	47	57	42	40
R693	NP Residence	49	48	58	43	41
R694	NP Residence	57	56	66	51	49
R695	NP Residence	48	48	58	42	41
R696	NP Residence	50	49	60	44	42
R697	NP Residence	54	53	63	48	46
R698	NP Residence	47	47	57	41	40
R699	NP Residence	48	47	58	42	40
R700	NP Residence	48	48	58	42	41
R701	NP Residence	50	49	59	44	42
R702	NP Residence	48	48	58	42	41
R703	NP Residence	51	51	61	45	44
R704	NP Residence	52	52	62	46	45
R705	NP Residence	49	49	59	43	42
R706	NP Residence	50	49	60	44	42
R707	NP Residence	51	51	61	45	44
R708	NP Residence	45	45	56	39	38
R709	NP Residence	47	47	57	41	40
R710	NP Residence	50	50	60	44	43
R711	NP Residence	53	52	62	47	45
R712	NP Residence	49	49	59	43	42
R713	NP Residence	52	52	62	46	45
R714	NP Residence	53	52	62	47	45
R715	NP Residence	48	48	58	42	41
R716	NP Residence	50	49	60	44	42
R717	NP Residence	48	48	58	42	41

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R718	NP Residence	64	64	73	58	57
R719	NP Residence	51	51	61	45	44
R720	NP Residence	80	79	86	74	72
R721	NP Residence	53	53	63	47	46
R722	NP Residence	51	50	60	45	43
R723	NP Residence	52	51	61	46	44
R724	NP Residence	52	52	62	46	45
R725	NP Residence	62	61	70	56	54
R726	NP Residence	61	60	69	55	53
R727	NP Residence	49	48	58	43	41
R728	NP Residence	68	67	75	62	60
R729	NP Residence	46	46	56	40	39
R730	NP Residence	64	63	72	58	56
R731	NP Residence	71	70	78	65	63
R732	NP Residence	51	50	61	45	43
R733	NP Residence	50	49	60	44	42
R734	NP Residence	47	47	57	41	40
R735	NP Residence	71	70	78	65	63
R736	NP Residence	50	50	60	44	43
R737	NP Residence	51	50	61	45	43
R738	NP Residence	49	48	59	43	41
R739	NP Residence	53	53	63	47	46
R740	NP Residence	48	48	58	42	41
R741	NP Residence	70	69	78	64	62
R742	NP Residence	62	61	70	56	54
R743	NP Residence	48	48	58	42	41
R744	NP Residence	49	49	59	43	42
R745	NP Residence	48	47	58	42	40
R746	NP Residence	50	49	59	44	42
R747	NP Residence	53	53	63	47	46
R748	NP Residence	62	62	71	56	55
R749	NP Residence	53	52	62	47	45
R750	NP Residence	65	64	73	59	57
R751	NP Residence	54	53	63	48	46
R752	NP Residence	48	47	58	42	40
R753	NP Residence	70	70	78	64	63

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R754	NP Residence	61	61	70	55	54
R755	NP Residence	64	63	72	58	56
R756	NP Residence	56	55	65	50	48
R757	NP Residence	64	63	72	58	56
R758	NP Residence	65	64	73	59	57
R759	NP Residence	68	67	76	62	60
R760	NP Residence	53	53	62	47	46
R761	NP Residence	50	49	60	44	42
R762	NP Residence	49	49	59	43	42
R763	NP Residence	49	49	59	43	42
R764	NP Residence	52	52	62	46	45
R765	NP Residence	53	52	62	47	45
R766	NP Residence	63	63	72	57	56
R767	NP Residence	52	51	61	46	44
R768	NP Residence	66	66	74	60	59
R769	NP Residence	51	51	61	45	44
R770	NP Residence	59	58	67	53	51
R771	NP Residence	71	70	78	65	63
R772	NP Residence	49	49	59	43	42
R773	NP Residence	49	48	59	43	41
R774	NP Residence	50	49	59	44	42
R775	NP Residence	54	53	63	48	46
R776	NP Residence	50	49	59	44	42
R777	NP Residence	53	53	63	47	46
R778	NP Residence	51	51	61	45	44
R779	NP Residence	55	54	64	49	47
R780	NP Residence	51	50	61	45	43
R781	NP Residence	50	49	59	44	42
R782	NP Residence	48	48	58	42	41
R783	NP Residence	49	49	59	43	42
R784	NP Residence	48	47	58	42	40
R785	NP Residence	47	46	57	41	39
R786	NP Residence	71	70	79	65	63
R787	NP Residence	69	69	77	63	62
R788	NP Residence	48	48	58	42	41
R789	NP Residence	53	52	62	47	45

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R790	NP Residence	50	50	60	44	43
R791	NP Residence	49	48	58	43	41
R792	NP Residence	53	53	62	47	46
R793	NP Residence	49	48	58	43	41
R794	NP Residence	46	45	56	40	38
R795	NP Residence	50	50	60	44	43
R796	NP Residence	50	49	60	44	42
R797	NP Residence	51	50	60	45	43
R798	NP Residence	52	52	62	46	45
R799	NP Residence	54	53	63	48	46
R800	NP Residence	60	59	68	54	52
R801	NP Residence	66	65	74	60	58
R802	NP Residence	49	49	59	43	42
R803	NP Residence	72	71	80	66	64
R804	NP Residence	48	48	58	42	41
R805	NP Residence	48	48	58	42	41
R806	NP Residence	50	49	60	44	42
R807	NP Residence	48	48	58	42	41
R808	NP Residence	49	49	59	43	42
R809	NP Residence	50	50	60	44	43
R810	NP Residence	49	48	59	43	41
R811	NP Residence	49	48	59	43	41
R812	NP Residence	63	63	72	57	56
R813	NP Residence	53	53	63	47	46
R814	NP Residence	50	49	60	44	42
R815	NP Residence	51	51	61	45	44
R816	NP Residence	52	51	61	46	44
R817	NP Residence	68	68	76	62	61
R818	NP Residence	48	48	58	42	41
R819	NP Residence	48	48	58	42	41
R820	NP Residence	48	48	58	42	41
R821	NP Residence	49	48	59	43	41
R822	NP Residence	47	46	57	41	39
R823	NP Residence	49	49	59	43	42
R824	NP Residence	48	47	57	42	40
R825	NP Residence	48	47	58	42	40

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R826	NP Residence	59	58	67	53	51
R827	NP Residence	49	48	58	43	41
R828	NP Residence	53	53	62	47	46
R829	NP Residence	50	50	60	44	43
R830	NP Residence	59	58	67	53	51
R831	NP Residence	71	71	79	65	64
R832	NP Residence	58	57	67	52	50
R833	NP Residence	52	51	61	46	44
R834	NP Residence	54	53	63	48	46
R835	NP Residence	63	63	71	57	56
R836	NP Residence	50	49	59	44	42
R837	NP Residence	54	53	63	48	46
R838	NP Residence	59	58	68	53	51
R839	NP Residence	49	48	59	43	41
R840	NP Residence	51	50	61	45	43
R841	NP Residence	57	57	66	51	50
R842	NP Residence	62	61	70	56	54
R843	NP Residence	69	68	77	63	61
R844	NP Residence	54	53	63	48	46
R845	NP Residence	53	52	62	47	45
R846	NP Residence	50	50	60	44	43
R847	NP Residence	63	63	72	57	56
R848	NP Residence	65	65	73	59	58
R849	NP Residence	50	50	60	44	43
R850	NP Residence	49	48	58	43	41
R851	NP Residence	58	57	67	52	50
R852	NP Residence	68	68	76	62	61
R853	NP Residence	50	49	59	44	42
R854	NP Residence	66	66	74	60	59
R855	NP Residence	46	45	56	40	38
R856	NP Residence	53	52	62	47	45
R857	NP Residence	51	50	60	45	43
R858	NP Residence	65	65	73	59	58
R859	NP Residence	54	53	63	48	46
R860	NP Residence	49	49	59	43	42
R861	NP Residence	54	53	63	48	46

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R862	NP Residence	70	69	78	64	62
R863	NP Residence	56	56	65	50	49
R864	NP Residence	71	70	78	65	63
R865	NP Residence	54	53	63	48	46
R866	NP Residence	53	52	62	47	45
R867	NP Residence	47	47	57	41	40
R868	NP Residence	50	50	60	44	43
R869	NP Residence	49	49	59	43	42
R870	NP Residence	49	48	59	43	41
R871	NP Residence	54	54	63	48	47
R872	NP Residence	55	54	64	49	47
R873	NP Residence	60	59	68	54	52
R874	NP Residence	49	48	58	43	41
R875	NP Residence	53	52	62	47	45
R876	NP Residence	61	60	69	55	53
R877	NP Residence	48	48	58	42	41
R878	NP Residence	51	50	60	45	43
R879	NP Residence	69	69	77	63	62
R880	NP Residence	52	51	61	46	44
R881	NP Residence	48	48	58	42	41
R882	NP Residence	49	48	58	43	41
R883	NP Residence	49	48	59	43	41
R884	NP Residence	49	49	59	43	42
R885	NP Residence	64	64	72	58	57
R886	NP Residence	50	49	60	44	42
R887	NP Residence	49	48	59	43	41
R888	NP Residence	48	47	58	42	40
R889	NP Residence	63	63	72	57	56
R890	NP Residence	60	59	69	54	52
R891	NP Residence	52	51	61	46	44
R892	NP Residence	51	51	61	45	44
R893	NP Residence	61	60	69	55	53
R894	NP Residence	49	49	59	43	42
R895	NP Residence	54	53	63	48	46
R896	NP Residence	54	53	63	48	46
R897	NP Residence	58	57	67	52	50

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R898	NP Residence	65	64	73	59	57
R899	NP Residence	54	54	64	48	47
R900	NP Residence	61	61	70	55	54
R901	NP Residence	49	49	59	43	42
R902	NP Residence	63	62	71	57	55
R903	NP Residence	48	47	58	42	40
R904	NP Residence	51	50	60	45	43
R905	NP Residence	50	49	60	44	42
R906	NP Residence	48	48	58	42	41
R907	NP Residence	52	51	61	46	44
R908	NP Residence	53	53	62	47	46
R909	NP Residence	65	64	73	59	57
R910	NP Residence	47	47	57	41	40
R911	NP Residence	64	64	73	58	57
R912	NP Residence	50	50	60	44	43
R913	NP Residence	54	53	63	48	46
R914	NP Residence	48	48	58	42	41
R915	NP Residence	51	50	60	45	43
R916	NP Residence	64	63	72	58	56
R917	NP Residence	60	60	69	54	53
R918	NP Residence	50	49	59	44	42
R919	NP Residence	50	50	60	44	43
R920	NP Residence	50	50	60	44	43
R921	NP Residence	52	52	62	46	45
R922	NP Residence	59	58	68	53	51
R923	NP Residence	52	52	62	46	45
R924	NP Residence	58	58	67	52	51
R925	NP Residence	49	48	58	43	41
R926	NP Residence	52	51	61	46	44
R927	NP Residence	41	40	51	35	33
R928	NP Residence	41	40	51	35	33
R929	NP Residence	41	40	51	35	33
R930	NP Residence	41	40	51	35	33
R931	NP Residence	41	41	52	35	34
R932	NP Residence	42	42	53	36	35
R933	NP Residence	41	41	52	35	34

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R934	NP Residence	41	40	51	35	33
R935	NP Residence	41	40	52	35	33
R936	NP Residence	41	40	51	35	33
R937	NP Residence	41	40	52	35	33
R938	NP Residence	41	40	52	35	33
R939	NP Residence	41	40	51	35	33
R940	NP Residence	42	42	53	36	35
R941	NP Residence	42	41	52	36	34
R942	NP Residence	40	40	51	34	33
R943	NP Residence	41	40	51	35	33
R944	NP Residence	42	42	53	36	35
R945	NP Residence	41	40	51	35	33
R946	NP Residence	41	40	52	35	33
R947	NP Residence	42	41	52	36	34
R948	NP Residence	41	40	51	35	33
R949	NP Residence	41	40	52	35	33
R950	NP Residence	41	40	51	35	33
R951	NP Residence	41	40	51	35	33
R952	NP Residence	46	45	56	40	38
R953	NP Residence	40	40	51	34	33
R954	NP Residence	42	41	52	36	34
R955	NP Residence	42	41	53	36	34
R956	NP Residence	41	41	52	35	34
R957	NP Residence	40	40	51	34	33
R958	NP Residence	41	40	51	35	33
R959	NP Residence	41	40	51	35	33
R960	NP Residence	42	41	52	36	34
R961	NP Residence	41	40	51	35	33
R962	NP Residence	42	41	52	36	34
R963	NP Residence	41	40	52	35	33
R964	NP Residence	41	40	51	35	33
R965	NP Residence	46	45	56	40	38
R966	NP Residence	46	45	56	40	38
R967	NP Residence	40	40	51	34	33
R968	NP Residence	41	40	51	35	33
R969	NP Residence	42	42	53	36	35

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R970	NP Residence	41	40	51	35	33
R971	NP Residence	41	40	51	35	33
R972	NP Residence	41	41	52	35	34
R973	NP Residence	42	41	52	36	34
R974	NP Residence	41	40	52	35	33
R975	NP Residence	40	40	51	34	33
R976	NP Residence	41	40	52	35	33
R977	NP Residence	42	41	52	36	34
R978	NP Residence	42	41	52	36	34
R979	NP Residence	40	40	51	34	33
R980	NP Residence	42	41	52	36	34
R981	NP Residence	41	41	52	35	34
R982	NP Residence	41	40	51	35	33
R983	NP Residence	41	40	51	35	33
R984	NP Residence	42	41	52	36	34
R985	NP Residence	41	40	51	35	33
R986	NP Residence	40	39	51	34	32
R987	NP Residence	40	40	51	34	33
R988	NP Residence	41	41	52	35	34
R989	NP Residence	40	40	51	34	33
R990	NP Residence	40	40	51	34	33
R991	NP Residence	41	40	51	35	33
R992	NP Residence	41	40	51	35	33
R993	NP Residence	41	40	51	35	33
R994	NP Residence	40	40	51	34	33
R995	NP Residence	41	41	52	35	34
R996	NP Residence	41	40	52	35	33
R997	NP Residence	41	40	51	35	33
R998	NP Residence	41	41	52	35	34
R999	NP Residence	41	40	51	35	33
R1000	NP Residence	41	40	51	35	33
R1001	NP Residence	42	41	52	36	34
R1002	NP Residence	41	41	52	35	34
R1003	NP Residence	40	40	51	34	33
R1004	NP Residence	46	45	56	40	38
R1005	NP Residence	40	40	51	34	33

*Pre-Construction Noise Analysis
for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R1006	NP Residence	42	41	52	36	34
R1007	NP Residence	41	40	51	35	33
R1008	NP Residence	46	45	56	40	38
R1009	NP Residence	42	41	52	36	34
R1010	NP Residence	42	41	52	36	34
R1011	NP Residence	42	42	53	36	35
R1012	NP Residence	42	41	52	36	34
R1013	NP Residence	41	40	51	35	33
R1014	NP Residence	41	40	52	35	33
R1015	NP Residence	41	40	51	35	33
R1016	NP Residence	40	40	51	34	33
R1017	NP Residence	41	40	51	35	33
R1018	NP Residence	46	45	56	40	38
R1019	NP Residence	41	40	51	35	33
R1020	NP Residence	42	41	53	36	34
R1021	NP Residence	41	40	52	35	33
R1022	NP Residence	41	40	51	35	33
R1023	NP Residence	41	40	51	35	33
R1024	NP Residence	41	40	52	35	33
R1025	NP Residence	41	40	51	35	33
R1026	NP Residence	40	40	51	34	33
R1027	NP Residence	41	41	52	35	34
R1028	NP Residence	41	40	51	35	33
R1029	NP Residence	41	41	52	35	34
R1030	NP Residence	41	40	51	35	33
R1031	NP Residence	41	40	51	35	33
R1032	NP Residence	41	40	51	35	33
R1033	NP Residence	46	45	56	40	38
R1034	NP Residence	41	40	51	35	33
R1035	NP Residence	42	41	52	36	34
R1036	NP Residence	41	40	51	35	33
R1037	NP Residence	42	42	53	36	35
R1038	NP Residence	41	40	52	35	33
R1039	NP Residence	42	42	53	36	35
R1040	NP Residence	41	41	52	35	34
R1041	NP Residence	40	40	51	34	33

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for the proposed Pleasant Prairie Solar Energy Center*

Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R1042	NP Residence	64	63	72	58	56
R1043	NP Residence	46	46	56	40	39
R1044	NP Residence	45	44	55	39	37
R1045	NP Residence	55	55	64	49	48
R1046	NP Residence	51	50	60	45	43
R1047	NP Residence	51	51	61	45	44
R1048	NP Residence	46	46	56	40	39
R1049	NP Residence	43	43	54	37	36
R1050	NP Residence	48	47	58	42	40
R1051	NP Residence	49	48	59	43	41
R1052	NP Residence	55	54	64	49	47
R1053	NP Residence	53	53	63	47	46
R1054	NP Residence	68	68	76	62	61
R1055	NP Residence	57	56	66	51	49
R1056	NP Residence	51	50	61	45	43
R1057	NP Residence	49	49	59	43	42
R4001	NP School	52	51	61	46	44
R4002	NP Church	43	43	53	37	36
R4003	NP Church	43	42	53	37	35
R4004	NP Church	51	51	61	45	44
R4005	NP Church	64	63	72	58	56
R4006	NP Church	47	47	57	41	40
R4007	NP School	54	53	63	48	46
R5001	NP RV Park	49	48	59	43	41
R5002	NP Township	64	63	72	58	56
R5003	NP Cemetery	61	60	69	55	53
R5004	NP Cemetery	62	61	70	56	54
R5005	NP Cemetery	50	49	59	44	42
R6001	NP Park	45	44	55	39	37
R6002	NP Park	45	44	55	39	37
R6003	NP Park	45	44	55	39	37
R6004	NP Park	44	44	54	38	37
R6005	NP Park	47	47	57	41	40
R6006	NP Park	43	42	53	37	35
R6007	NP Golf Course	55	54	64	49	47
R6008	NP Golf Course	42	42	53	36	35

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Receptor	Description	Phase 1: Site Preparation	Phase 2: Civil Work	Phase 3: Pile Driving	Phase 4: Mechanical Assembly	Phase 5: Electrical Work
R2001	P Residence	80	80	87	74	73
R2002	P Residence	61	61	70	55	54
R2003	P Residence	71	70	78	65	63
R2004	P Residence	69	69	77	63	62
R2005	P Residence	65	65	73	59	58
R2006	P Residence	68	68	76	62	61
R2007	P Residence	71	70	78	65	63
R2008	P Residence	70	69	77	64	62
R2009	P Residence	72	71	79	66	64
R2010	P Residence	69	68	76	63	61
R2011	P Residence	70	69	78	64	62
R2012	P Residence	70	69	78	64	62
R2013	P Residence	68	68	76	62	61
R2014	P Residence	71	70	78	65	63
R2015	P Residence	70	70	78	64	63
R2016	P Residence	71	71	79	65	64
R2017	P Residence	74	73	81	68	66
R2018	P Residence	70	70	78	64	63
R2019	P Residence	69	68	77	63	61
R2020	P Residence	71	70	78	65	63
R2021	P Residence	65	64	73	59	57
R2022	P Residence	67	67	75	61	60

Appendix C: Predicted Operational Noise Levels

Table C-1. Predicted Operational Noise Levels

Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R1	NP Res	31	0	312235	4418552	R42	NP Res	37	17	310547	4424178
R2	NP Res	32	0	315006	4418629	R43	NP Res	26	18	314309	4424477
R3	NP Res	31	0	312210	4418429	R44	NP Res	26	18	314256	4424593
R4	NP Res	32	0	314975	4418934	R45	NP Res	30	12	313956	4421822
R5	NP Res	33	12	310795	4422033	R46	NP Res	30	11	314034	4421766
R6	NP Res	29	11	309932	4422487	R47	NP Res	38	12	313366	4421674
R7	NP Res	40	12	313321	4421546	R48	NP Res	28	10	314318	4421479
R8	NP Res	28	11	314258	4421893	R49	NP Res	27	13	314441	4422357
R9	NP Res	28	21	313895	4424629	R50	NP Res	29	12	314134	4421931
R10	NP Res	28	10	314439	4421523	R51	NP Res	37	30	311951	4424531
R11	NP Res	26	12	309691	4425019	R52	NP Res	31	0	315142	4418797
R12	NP Res	35	0	314778	4418368	R53	NP Res	24	15	311198	4426281
R13	NP Res	30	0	314520	4416330	R54	NP Res	34	0	312752	4417142
R14	NP Res	28	0	314666	4416294	R55	NP Res	38	0	313455	4419107
R15	NP Res	25	0	311121	4418424	R56	NP Res	27	0	312792	4415872
R16	NP Res	34	8	312538	4420529	R57	NP Res	34	0	312406	4418098
R17	NP Res	29	10	314218	4421535	R58	NP Res	28	11	314388	4421934
R18	NP Res	41	21	312187	4422937	R59	NP Res	27	11	314447	4421797
R19	NP Res	34	0	312379	4417677	R60	NP Res	39	15	312725	4421998
R20	NP Res	40	39	312475	4424565	R61	NP Res	31	0	313029	4416319
R21	NP Res	36	11	313276	4421254	R62	NP Res	26	0	313270	4415478
R22	NP Res	30	12	313910	4421869	R63	NP Res	31	0	312394	4418714
R23	NP Res	34	13	313470	4421942	R64	NP Res	36	34	312414	4424748
R24	NP Res	34	14	313408	4422052	R65	NP Res	31	0	312174	4418258
R25	NP Res	29	12	314140	4422054	R66	NP Res	39	0	314141	4418051
R26	NP Res	29	10	314220	4421514	R67	NP Res	29	0	314584	4416383
R27	NP Res	28	10	314380	4421522	R68	NP Res	29	0	314710	4416503
R28	NP Res	28	10	314364	4421704	R69	NP Res	35	0	314515	4417967
R29	NP Res	34	8	312479	4420477	R70	NP Res	29	0	314579	4416344
R30	NP Res	28	10	314360	4421561	R71	NP Res	31	0	315063	4418265
R31	NP Res	36	0	314491	4419212	R72	NP Res	29	0	314521	4416152
R32	NP Res	29	12	314154	4421940	R73	NP Res	28	0	314499	4416099
R33	NP Res	44	43	312534	4424483	R74	NP Res	26	16	311349	4426068
R34	NP Res	30	0	312001	4418205	R75	NP Res	27	12	309777	4424855
R35	NP Res	29	0	311965	4418253	R76	NP Res	27	12	309790	4424833
R36	NP Res	32	0	315061	4418431	R77	NP Res	32	0	313166	4416285
R37	NP Res	30	0	314533	4416413	R78	NP Res	30	0	315138	4418079
R38	NP Res	31	0	315090	4418073	R79	NP Res	38	0	314272	4418044
R39	NP Res	24	17	314493	4424802	R80	NP Res	27	0	311581	4418754
R40	NP Res	27	20	313990	4424861	R81	NP Res	27	0	312731	4415952
R41	NP Res	26	11	309646	4425149	R82	NP Res	31	0	315136	4418233

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R83	NP Res	27	12	309790	4424833	R124	NP Res	28	11	314307	4421935
R84	NP Res	32	0	313166	4416285	R125	NP Res	27	10	314478	4421519
R85	NP Res	30	0	315138	4418079	R126	NP Res	38	15	312725	4422058
R86	NP Res	38	0	314272	4418044	R127	NP Res	23	16	313981	4425960
R87	NP Res	27	0	311581	4418754	R128	NP Res	24	0	310918	4418274
R88	NP Res	27	0	312731	4415952	R129	NP Res	28	0	314575	4416201
R89	NP Res	31	0	315136	4418233	R130	NP Res	25	0	311173	4418307
R90	NP Res	32	0	313191	4416283	R131	NP Res	27	11	314492	4422034
R91	NP Res	27	0	313224	4415608	R132	NP Res	39	16	312719	4422188
R92	NP Res	31	0	312425	4417056	R133	NP Res	29	11	314167	4421802
R93	NP Res	34	30	312264	4424897	R134	NP Res	37	7	313468	4420242
R94	NP Res	36	0	314563	4418034	R135	NP Res	27	10	314463	4421756
R95	NP Res	25	16	311422	4426108	R136	NP Res	34	13	313522	4421899
R96	NP Res	38	0	313340	4419173	R137	NP Res	31	12	313893	4421806
R97	NP Res	29	0	314680	4416507	R138	NP Res	34	8	312670	4420569
R98	NP Res	27	11	314433	4422033	R139	NP Res	27	11	314491	4421907
R99	NP Res	26	18	314288	4424594	R140	NP Res	28	0	315161	4419749
R100	NP Res	29	12	314170	4421891	R141	NP Res	27	11	314491	4421924
R101	NP Res	29	12	314068	4421953	R142	NP Res	28	10	314389	4421677
R102	NP Res	27	12	314459	4422209	R143	NP Res	27	10	314501	4421727
R103	NP Res	39	16	312725	4422290	R144	NP Res	30	12	314014	4421919
R104	NP Res	28	11	314291	4421759	R145	NP Res	35	0	314466	4419279
R105	NP Res	38	19	312727	4422713	R146	NP Res	30	13	313912	4421997
R106	NP Res	40	17	310578	4423939	R147	NP Res	26	19	314019	4424954
R107	NP Res	28	11	314361	4421974	R148	NP Res	30	12	313996	4421793
R108	NP Res	28	10	314458	4421564	R149	NP Res	29	10	314219	4421496
R109	NP Res	26	12	309727	4425169	R150	NP Res	28	11	314287	4421664
R110	NP Res	30	0	315142	4418110	R151	NP Res	33	0	314662	4419399
R111	NP Res	26	0	311333	4418339	R152	NP Res	39	23	312662	4423196
R112	NP Res	36	0	314405	4417966	R153	NP Res	30	13	313885	4421967
R113	NP Res	30	0	312834	4416361	R154	NP Res	27	11	314412	4421969
R114	NP Res	26	20	313902	4425018	R155	NP Res	30	0	312125	4418335
R115	NP Res	28	0	315327	4419424	R156	NP Res	29	0	314662	4416374
R116	NP Res	29	10	314255	4421533	R157	NP Res	33	0	314950	4418504
R117	NP Res	32	0	314677	4419496	R158	NP Res	30	0	312195	4417074
R118	NP Res	35	0	313103	4418899	R159	NP Res	24	0	311033	4418431
R119	NP Res	32	0	312238	4417642	R160	NP Res	31	0	312204	4418226
R120	NP Res	31	0	315116	4418514	R161	NP Res	36	0	313188	4418963
R121	NP Res	27	12	309698	4424894	R162	NP Res	26	0	311398	4418828
R122	NP Res	32	0	314518	4419552	R163	NP Res	27	19	312093	4425931
R123	NP Res	31	0	315154	4418689	R164	NP Res	25	0	311217	4418314

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)
R165	NP Res	31	0	315180	4418560
R166	NP Res	37	0	314704	4418382
R167	NP Res	30	12	313911	4421889
R168	NP Res	31	0	315146	4418763
R169	NP Res	41	17	310599	4423743
R170	NP Res	27	18	311704	4425876
R171	NP Res	30	12	314032	4421785
R172	NP Res	35	9	312939	4420820
R173	NP Res	29	12	314205	4421892
R174	NP Res	30	12	313938	4421822
R175	NP Res	28	10	314333	4421688
R176	NP Res	28	10	314434	4421739
R177	NP Res	28	11	314415	4421777
R178	NP Res	27	11	314426	4421828
R179	NP Res	41	23	312432	4423192
R180	NP Res	26	18	314261	4424473
R181	NP Res	28	10	314301	4421564
R182	NP Res	29	11	314166	4421785
R183	NP Res	30	12	313979	4421910
R184	NP Res	28	11	314338	4421788
R185	NP Res	30	12	313967	4421961
R186	NP Res	28	11	314259	4421859
R187	NP Res	28	0	315116	4419899
R188	NP Res	31	0	312110	4418085
R189	NP Res	25	17	314498	4424714
R190	NP Res	24	16	314618	4424725
R191	NP Res	28	13	309838	4424814
R192	NP Res	25	0	313234	4415447
R193	NP Res	38	0	314334	4418047
R194	NP Res	26	12	309671	4424964
R195	NP Res	27	12	309733	4424903
R196	NP Res	36	33	312349	4424779
R197	NP Res	26	12	309663	4425097
R198	NP Res	28	0	311720	4418525
R199	NP Res	37	0	314250	4417982
R200	NP Res	27	12	309704	4424794
R201	NP Res	34	0	313455	4416241
R202	NP Res	34	0	314654	4418020
R203	NP Res	27	10	314499	4421747
R204	NP Res	27	0	313135	4415651
R205	NP Res	25	17	314488	4424656
R206	NP Res	30	12	314007	4421997
R207	NP Res	33	0	314397	4419627
R208	NP Res	26	18	314346	4424477
R209	NP Res	36	14	313141	4421969
R210	NP Res	33	0	314251	4419612
R211	NP Res	32	0	314967	4418222
R212	NP Res	24	0	311061	4418337
R213	NP Res	28	12	314262	4422047
R214	NP Res	34	30	313146	4424430
R215	NP Res	29	12	314112	4421953
R216	NP Res	28	11	314275	4421712
R217	NP Res	27	12	314445	4422126
R218	NP Res	31	12	313876	4421876
R219	NP Res	29	10	314251	4421589
R220	NP Res	27	0	312565	4416152
R221	NP Res	32	0	314862	4419303
R222	NP Res	26	12	309695	4425169
R223	NP Res	33	28	312186	4425015
R224	NP Res	28	10	314346	4421698
R225	NP Res	34	9	313316	4420929
R226	NP Res	27	0	311506	4418471
R227	NP Res	32	0	314883	4418003
R228	NP Res	38	15	312884	4422012
R229	NP Res	37	14	313200	4421887
R230	NP Res	28	0	315160	4419599
R231	NP Res	30	12	313923	4421789
R232	NP Res	34	14	313465	4421983
R233	NP Res	39	24	312658	4423243
R234	NP Res	33	14	313520	4422143
R235	NP Res	29	10	314216	4421585
R236	NP Res	27	12	309701	4424758
R237	NP Res	29	10	314219	4421479
R238	NP Res	27	11	314464	4421806
R239	NP Res	28	10	314461	4421529
R240	NP Res	28	12	314247	4421941
R241	NP Res	27	10	314505	4421652
R242	NP Res	39	20	312628	4422760
R243	NP Res	31	12	313876	4421894
R244	NP Res	27	20	314111	4424471
R245	NP Res	27	11	314456	4421871
R246	NP Res	26	19	314232	4424545

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R247	NP Res	29	0	314527	4416296	R288	NP Res	26	0	312984	4415636
R248	NP Res	35	0	314437	4419292	R289	NP Res	31	0	313067	4416291
R249	NP Res	27	20	313890	4424979	R290	NP Res	28	0	311844	4418593
R250	NP Res	28	6	314757	4420482	R291	NP Res	29	0	314431	4416176
R251	NP Res	27	19	311777	4425774	R292	NP Res	28	0	314628	4416223
R252	NP Res	30	0	312054	4418136	R293	NP Res	32	0	314984	4419022
R253	NP Res	26	18	314329	4424479	R294	NP Res	27	12	309716	4424899
R254	NP Res	28	11	314339	4421744	R295	NP Res	35	0	312754	4417235
R255	NP Res	28	11	314376	4421972	R296	NP Res	25	0	313112	4415479
R256	NP Res	29	0	315157	4419510	R297	NP Res	27	18	311527	4425917
R257	NP Res	28	10	314328	4421646	R298	NP Res	26	20	313848	4425204
R258	NP Res	29	6	314593	4420574	R299	NP Res	35	0	313002	4418876
R259	NP Res	29	12	314149	4421989	R300	NP Res	33	0	314607	4417786
R260	NP Res	40	24	312500	4423229	R301	NP Res	28	0	314584	4416168
R261	NP Res	30	12	314045	4421863	R302	NP Res	27	0	312655	4416035
R262	NP Res	30	0	314572	4416509	R303	NP Res	28	11	314398	4421762
R263	NP Res	36	0	314374	4417966	R304	NP Res	28	11	314255	4421648
R264	NP Res	32	0	315045	4418497	R305	NP Res	31	0	315027	4419237
R265	NP Res	26	0	312789	4415760	R306	NP Res	27	11	314429	4421785
R266	NP Res	27	0	313231	4415685	R307	NP Res	39	6	313458	4419990
R267	NP Res	30	0	315137	4418137	R308	NP Res	29	11	314218	4421741
R268	NP Res	26	18	311793	4426038	R309	NP Res	29	10	314252	4421553
R269	NP Res	26	0	313311	4415486	R310	NP Res	29	11	314223	4421629
R270	NP Res	29	0	312436	4416716	R311	NP Res	27	10	314458	4421613
R271	NP Res	29	0	314613	4416446	R312	NP Res	28	11	314342	4421975
R272	NP Res	27	0	314690	4416161	R313	NP Res	29	11	314209	4421707
R273	NP Res	33	0	312470	4417291	R314	NP Res	26	18	314282	4424515
R274	NP Res	27	0	312703	4415978	R315	NP Res	33	15	313428	4422171
R275	NP Res	28	0	311790	4418564	R316	NP Res	27	11	314409	4421934
R276	NP Res	29	0	311966	4418527	R317	NP Res	35	0	312752	4417183
R277	NP Res	29	0	314677	4416439	R318	NP Res	34	0	313935	4416158
R278	NP Res	26	0	311321	4418466	R319	NP Res	37	0	314343	4417970
R279	NP Res	26	12	309702	4425133	R320	NP Res	33	0	313979	4416139
R280	NP Res	30	0	315169	4419060	R321	NP Res	26	17	311436	4426019
R281	NP Res	25	0	311272	4418312	R322	NP Res	29	15	314079	4422644
R282	NP Res	26	0	311411	4418722	R323	NP Res	38	20	312621	4422799
R283	NP Res	29	11	314159	4421817	R324	NP Res	39	17	312729	4422391
R284	NP Res	28	10	314294	4421629	R325	NP Res	28	10	314320	4421577
R285	NP Res	28	12	314262	4421990	R326	NP Res	29	10	314256	4421480
R286	NP Res	26	12	309748	4425063	R327	NP Res	40	22	312344	4423003
R287	NP Res	38	17	310557	4424131	R328	NP Res	39	17	312728	4422343

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R329	NP Res	30	14	313815	4422245	R369	NP Res	39	36	312223	4424491
R330	NP Res	33	0	314876	4418256	R370	NP Res	29	12	314146	4421855
R331	NP Res	26	0	313082	4415513	R371	NP Res	29	10	314253	4421499
R332	NP Res	26	19	313983	4425170	R372	NP Res	36	21	312893	4422943
R333	NP Res	26	18	311654	4426008	R373	NP Res	37	14	313068	4421977
R334	NP Res	42	20	312049	4422847	R374	NP Res	32	0	314888	4419244
R335	NP Res	28	0	314719	4416432	R375	NP Res	30	12	314034	4421947
R336	NP Res	43	0	313865	4418008	R376	NP Res	30	13	313970	4422002
R337	NP Res	26	12	309656	4425059	R377	NP Res	29	12	314079	4421874
R338	NP Res	31	0	315071	4418234	R378	NP Res	29	12	314064	4421865
R339	NP Res	29	0	314661	4416590	R379	NP Res	28	11	314337	4421870
R340	NP Res	29	0	312913	4416179	R380	NP Res	29	0	314609	4416275
R341	NP Res	27	0	311375	4419141	R381	NP Res	27	0	313273	4415687
R342	NP Res	30	0	312137	4418499	R382	NP Res	35	0	314588	4418024
R343	NP Res	28	10	314341	4421523	R383	NP Res	30	0	315142	4417975
R344	NP Res	30	12	313978	4421788	R384	NP Res	31	0	314966	4417827
R345	NP Res	27	11	314433	4421975	R385	NP Res	27	20	312149	4425786
R346	NP Res	28	12	314224	4422049	R386	NP Res	28	0	314667	4416227
R347	NP Res	27	11	314492	4421871	R387	NP Res	29	0	314700	4416568
R348	NP Res	28	11	314349	4421939	R388	NP Res	38	0	313366	4418097
R349	NP Res	28	10	314399	4421563	R389	NP Res	29	0	315186	4417863
R350	NP Res	40	0	312803	4417461	R390	NP Res	28	0	314706	4416229
R351	NP Res	30	0	314607	4416596	R391	NP Res	26	12	309700	4425152
R352	NP Res	30	0	315162	4419004	R392	NP Res	28	11	314369	4421935
R353	NP Res	30	0	314524	4416380	R393	NP Res	38	15	312918	4421992
R354	NP Res	26	0	311343	4418963	R394	NP Res	27	10	314471	4421666
R355	NP Res	26	17	311477	4425974	R395	NP Res	27	12	309750	4424778
R356	NP Res	30	0	315140	4418170	R396	NP Res	33	0	314595	4419419
R357	NP Res	36	0	314537	4418025	R397	NP Res	28	0	315293	4419429
R358	NP Res	27	12	309791	4424891	R398	NP Res	29	0	315075	4419521
R359	NP Res	27	12	309743	4424809	R399	NP Res	29	12	314097	4421882
R360	NP Res	20	13	314895	4425750	R400	NP Res	30	12	314026	4421900
R361	NP Res	40	19	312646	4422692	R401	NP Res	36	0	314527	4419214
R362	NP Res	28	11	314394	4421812	R402	NP Res	27	0	312820	4415843
R363	NP Res	29	10	314218	4421552	R403	NP Res	37	35	312905	4424414
R364	NP Res	29	12	314171	4422052	R404	NP Res	35	13	313498	4421753
R365	NP Res	27	12	309722	4424802	R405	NP Res	30	15	313910	4422588
R366	NP Res	35	31	312312	4424840	R406	NP Res	34	30	313125	4424429
R367	NP Res	28	10	314296	4421545	R407	NP Res	34	0	312751	4417097
R368	NP Res	28	10	314303	4421672	R408	NP Res	30	12	313911	4421926
R369	NP Res	39	36	312223	4424491	R409	NP Res	38	6	313439	4420086

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R410	NP Res	35	14	313285	4421956	R451	NP Res	27	0	312530	4416194
R411	NP Res	31	13	313783	4421934	R452	NP Res	29	11	314118	4421792
R412	NP Res	34	0	314376	4419442	R453	NP Res	24	16	314564	4424860
R413	NP Res	30	12	313995	4421877	R454	NP Res	27	0	312682	4416003
R414	NP Res	38	0	314223	4417985	R455	NP Res	24	0	311065	4418437
R415	NP Res	27	10	314477	4421575	R456	NP Res	34	0	314716	4418003
R416	NP Res	35	0	314094	4416461	R457	NP Res	26	17	311500	4425949
R417	NP Res	28	13	309819	4424807	R458	NP Res	37	17	310543	4424235
R418	NP Res	35	0	313072	4418894	R459	NP Res	26	17	311416	4426042
R419	NP Res	27	12	309682	4424886	R460	NP Res	27	11	314457	4421906
R420	NP Res	38	22	312700	4423033	R461	NP Res	28	0	314702	4416371
R421	NP Res	33	0	312358	4418148	R462	NP Res	26	20	313907	4425064
R422	NP Res	27	12	309689	4424787	R463	NP Res	29	21	311745	4425469
R423	NP Res	26	12	309736	4425152	R464	NP Res	24	16	314591	4424799
R424	NP Res	28	0	312198	4416772	R465	NP Res	25	16	311330	4426111
R425	NP Res	27	12	309685	4424845	R466	NP Res	28	13	309841	4424851
R426	NP Res	26	0	313143	4415574	R467	NP Res	27	13	309809	4424878
R427	NP Res	38	0	314112	4417984	R468	NP Res	26	17	311453	4425998
R428	NP Res	35	0	314622	4418020	R469	NP Res	32	0	314568	4419505
R429	NP Res	29	0	314629	4416373	R470	NP Res	37	7	313330	4420245
R430	NP Res	30	0	315144	4417934	R471	NP Res	30	12	313974	4421927
R431	NP Res	37	0	312757	4417327	R472	NP Res	28	10	314339	4421571
R432	NP Res	38	0	313327	4419116	R473	NP Res	29	0	315084	4419420
R433	NP Res	25	0	313141	4415442	R474	NP Res	26	12	309702	4424984
R434	NP Res	30	23	311957	4425338	R475	NP Res	27	0	312611	4416095
R435	NP Res	27	18	311508	4425854	R476	NP Res	27	0	312635	4416065
R436	NP Res	39	0	313383	4417853	R477	NP Res	24	0	311024	4418355
R437	NP Res	32	0	315063	4418401	R478	NP Res	38	0	314616	4418278
R438	NP Res	31	24	312007	4425279	R479	NP Res	31	0	315127	4418323
R439	NP Res	27	19	311706	4425775	R480	NP Res	26	0	313048	4415564
R440	NP Res	33	28	312205	4424978	R481	NP Res	26	12	309713	4424996
R441	NP Res	35	32	312396	4424836	R482	NP Res	26	12	309660	4424996
R442	NP Res	41	17	310598	4423794	R483	NP Res	26	19	313901	4425163
R443	NP Res	39	17	310565	4424034	R484	NP Res	30	0	315092	4418033
R444	NP Res	37	14	313026	4421973	R485	NP Res	35	11	313477	4421399
R445	NP Res	37	0	314285	4417976	R486	NP Res	32	0	315053	4418347
R446	NP Res	29	0	314593	4416307	R487	NP Res	28	12	314305	4421982
R447	NP Res	26	12	309743	4425138	R488	NP Res	27	0	313186	4415668
R448	NP Res	28	10	314361	4421525	R489	NP Res	30	12	313993	4421832
R449	NP Res	29	0	314645	4416437	R490	NP Res	26	17	311419	4425934
R450	NP Res	33	0	314768	4418008	R491	NP Res	28	12	314341	4422042

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R492	NP Res	31	12	313881	4421821	R533	NP Res	39	37	312450	4424619
R493	NP Res	29	12	314111	4422057	R534	NP Res	27	0	312846	4415807
R494	NP Res	27	10	314495	4421570	R535	NP Res	37	34	312367	4424717
R495	NP Res	35	33	312411	4424801	R536	NP Res	27	10	314516	4421537
R496	NP Res	28	13	314202	4422249	R537	NP Res	26	12	309713	4425075
R497	NP Res	39	0	312706	4417483	R538	NP Res	39	5	313680	4419721
R498	NP Res	31	13	313807	4422075	R539	NP Res	28	12	314371	4422040
R499	NP Res	31	0	315064	4418320	R540	NP Res	26	17	311303	4425922
R500	NP Res	30	0	314547	4416450	R541	NP Res	28	12	314325	4421982
R501	NP Res	25	18	314033	4425250	R542	NP Res	35	0	314796	4418262
R502	NP Res	38	0	314193	4417984	R543	NP Res	28	10	314275	4421619
R503	NP Res	26	12	309751	4425081	R544	NP Res	28	0	315157	4419538
R504	NP Res	26	0	313331	4415448	R545	NP Res	27	0	312584	4416122
R505	NP Res	26	12	309743	4425046	R546	NP Res	29	11	314221	4421857
R506	NP Res	23	17	313726	4425939	R547	NP Res	29	12	314067	4421987
R507	NP Res	26	12	309735	4425028	R548	NP Res	28	11	314260	4421743
R508	NP Res	26	12	309703	4425034	R549	NP Res	28	11	314375	4421807
R509	NP Res	27	12	309762	4424818	R550	NP Res	38	19	312743	4422678
R510	NP Res	26	12	309654	4425112	R551	NP Res	26	16	311416	4426071
R511	NP Res	26	12	309727	4425013	R552	NP Res	28	11	314241	4421859
R512	NP Res	37	15	312958	4421993	R553	NP Res	36	0	313140	4418940
R513	NP Res	41	21	312228	4422952	R554	NP Res	31	0	315136	4418201
R514	NP Res	28	0	315352	4419437	R555	NP Res	32	7	314081	4420507
R515	NP Res	30	12	314026	4421994	R556	NP Res	30	0	314673	4416655
R516	NP Res	27	19	314193	4424515	R557	NP Res	28	12	314201	4422051
R517	NP Res	28	0	315160	4419714	R558	NP Res	27	12	309716	4424763
R518	NP Res	29	11	314072	4421768	R559	NP Res	28	0	315160	4419572
R519	NP Res	27	10	314509	4421632	R560	NP Res	34	0	314475	4419393
R520	NP Res	42	23	312393	4423190	R561	NP Res	34	29	312242	4424930
R521	NP Res	30	0	314563	4416479	R562	NP Res	28	0	314691	4416295
R522	NP Res	26	12	309660	4425076	R563	NP Res	29	0	314460	4416174
R523	NP Res	38	21	312605	4422932	R564	NP Res	29	13	314113	4422198
R524	NP Res	37	1	313755	4419486	R565	NP Res	36	0	313863	4416222
R525	NP Res	26	18	314271	4424514	R566	NP Res	31	0	315075	4418167
R526	NP Res	32	0	314811	4419272	R567	NP Res	32	0	314887	4417927
R527	NP Res	28	11	314301	4421856	R568	NP Res	36	0	314697	4418240
R528	NP Res	31	12	313875	4421841	R569	NP Res	29	0	314637	4416523
R529	NP Res	28	10	314431	4421687	R570	NP Res	28	0	312182	4416831
R530	NP Res	33	0	314473	4419428	R571	NP Res	28	0	315169	4419798
R531	NP Res	30	13	313937	4422068	R572	NP Res	26	11	309640	4425164
R532	NP Res	28	13	309820	4424866	R573	NP Res	26	12	309675	4425004

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R574	NP Res	27	0	311626	4418695	R615	NP Res	29	11	314225	4421692
R575	NP Res	26	0	312950	4415683	R616	NP Res	33	0	314957	4418356
R576	NP Res	28	13	309803	4424799	R617	NP Res	29	12	314187	4421984
R577	NP Res	33	11	313632	4421338	R618	NP Res	25	17	314472	4424609
R578	NP Res	28	10	314368	4421477	R619	NP Res	28	10	314414	4421732
R579	NP Res	25	0	310902	4419316	R620	NP Res	40	23	312471	4423117
R580	NP Res	27	10	314485	4421758	R621	NP Res	30	13	313951	4422000
R581	NP Res	27	10	314450	4421704	R622	NP Res	40	39	312515	4424577
R582	NP Res	28	11	314327	4421828	R623	NP Res	27	10	314448	4421747
R583	NP Res	40	17	310582	4423888	R624	NP Res	29	0	314561	4416230
R584	NP Res	28	11	314270	4421657	R625	NP Res	41	40	312545	4424556
R585	NP Res	28	11	314292	4421721	R626	NP Res	43	43	312478	4424483
R586	NP Res	33	12	310794	4422050	R627	NP Res	37	0	314313	4417975
R587	NP Res	31	14	313805	4422210	R628	NP Res	32	0	314154	4416221
R588	NP Res	34	8	312437	4420451	R629	NP Res	30	0	314581	4416534
R589	NP Res	28	10	314442	4421484	R630	NP Res	29	0	315157	4419477
R590	NP Res	31	12	313876	4421914	R631	NP Res	31	25	312080	4425180
R591	NP Res	31	24	311983	4425309	R632	NP Res	28	0	314659	4416163
R592	NP Res	29	12	314073	4421972	R633	NP Res	26	0	313105	4415627
R593	NP Res	26	12	309656	4424957	R634	NP Res	30	23	311933	4425367
R594	NP Res	29	11	314072	4421787	R635	NP Res	23	17	313967	4425754
R595	NP Res	33	14	313552	4422077	R636	NP Res	33	0	314843	4418008
R596	NP Res	27	11	314466	4421958	R637	NP Res	31	0	315126	4418410
R597	NP Res	29	0	315332	4419025	R638	NP Res	36	0	314436	4417963
R598	NP Res	37	0	313358	4419019	R639	NP Res	26	0	312877	4415765
R599	NP Res	29	13	314018	4422062	R640	NP Res	29	12	314167	4421985
R600	NP Res	27	10	314491	4421667	R641	NP Res	34	4	314147	4419619
R601	NP Res	30	13	313929	4421962	R642	NP Res	28	0	315249	4419348
R602	NP Res	32	0	315057	4418829	R643	NP Res	30	12	314036	4421888
R603	NP Res	26	18	314293	4424475	R644	NP Res	34	0	314530	4419343
R604	NP Res	28	0	315347	4419376	R645	NP Res	27	12	309683	4424750
R605	NP Res	29	11	314114	4421807	R646	NP Res	41	40	312469	4424529
R606	NP Res	29	12	314103	4421846	R647	NP Res	26	18	314307	4424517
R607	NP Res	27	10	314455	4421656	R648	NP Res	40	23	311302	4424428
R608	NP Res	28	0	315232	4419415	R649	NP Res	27	19	311591	4425780
R609	NP Res	29	12	314045	4421999	R650	NP Res	28	11	314241	4421892
R610	NP Res	28	12	314270	4421938	R651	NP Res	27	12	309719	4424860
R611	NP Res	30	12	313941	4421789	R652	NP Res	29	10	314218	4421607
R612	NP Res	35	10	313307	4421156	R653	NP Res	28	11	314239	4421745
R613	NP Res	29	0	314544	4416263	R654	NP Res	29	12	314187	4421948
R614	NP Res	29	11	314203	4421857	R655	NP Res	31	12	313875	4421859

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R656	NP Res	39	16	312724	4422245	R697	NP Res	30	0	315137	4418026
R657	NP Res	27	10	314475	4421614	R698	NP Res	26	12	309743	4425117
R658	NP Res	29	11	314245	4421694	R699	NP Res	26	20	313899	4425128
R659	NP Res	28	0	312137	4416753	R700	NP Res	27	12	309664	4424876
R660	NP Res	34	0	314848	4418373	R701	NP Res	28	13	309856	4424821
R661	NP Res	36	0	314462	4419223	R702	NP Res	27	12	309666	4424838
R662	NP Res	32	0	315037	4418534	R703	NP Res	29	0	312404	4416763
R663	NP Res	34	10	313526	4421242	R704	NP Res	32	26	312115	4425125
R664	NP Res	30	0	312412	4416824	R705	NP Res	26	0	312916	4415723
R665	NP Res	32	0	314601	4419501	R706	NP Res	27	21	313902	4424722
R666	NP Res	36	0	314465	4417960	R707	NP Res	29	12	314113	4421888
R667	NP Res	32	0	313134	4416287	R708	NP Res	26	18	311898	4426038
R668	NP Res	27	0	311672	4418610	R709	NP Res	28	21	312194	4425701
R669	NP Res	31	0	315089	4418104	R710	NP Res	27	0	315171	4419829
R670	NP Res	26	20	313902	4425099	R711	NP Res	30	12	313976	4421825
R671	NP Res	26	0	313020	4415596	R712	NP Res	28	10	314317	4421678
R672	NP Res	25	18	313971	4425404	R713	NP Res	28	0	315261	4419418
R673	NP Res	24	16	314555	4424713	R714	NP Res	29	0	315092	4419578
R674	NP Res	31	0	315086	4418135	R715	NP Res	27	10	314493	4421619
R675	NP Res	26	0	311777	4416709	R716	NP Res	28	11	314261	4421703
R676	NP Res	27	12	309757	4424862	R717	NP Res	28	10	314437	4421571
R677	NP Res	25	0	311141	4418315	R718	NP Res	35	13	313452	4421857
R678	NP Res	31	0	312313	4417229	R719	NP Res	29	12	314134	4421889
R679	NP Res	32	0	312329	4418193	R720	NP Res	37	14	313134	4421895
R680	NP Res	32	0	312284	4417552	R721	NP Res	29	0	315152	4419417
R681	NP Res	32	0	314924	4417996	R722	NP Res	28	6	314666	4420476
R682	NP Res	31	0	314198	4416127	R723	NP Res	29	12	314069	4421805
R683	NP Res	26	12	309688	4424973	R724	NP Res	30	13	313965	4422065
R684	NP Res	40	12	313325	4421600	R725	NP Res	43	43	312573	4424476
R685	NP Res	35	32	313045	4424387	R726	NP Res	42	41	312554	4424528
R686	NP Res	26	18	314272	4424591	R727	NP Res	27	12	309758	4424903
R687	NP Res	29	12	314113	4421826	R728	NP Res	39	0	314054	4417984
R688	NP Res	33	8	313599	4420601	R729	NP Res	26	0	311255	4419296
R689	NP Res	33	0	312342	4418175	R730	NP Res	38	16	310484	4423533
R690	NP Res	26	0	311457	4418359	R731	NP Res	41	17	310605	4423697
R691	NP Res	31	0	315131	4418275	R732	NP Res	29	12	314151	4421891
R692	NP Res	26	12	309711	4425057	R733	NP Res	30	15	313905	4422555
R693	NP Res	27	0	311601	4418497	R734	NP Res	26	12	309709	4425097
R694	NP Res	31	0	312229	4418185	R735	NP Res	41	17	310587	4423844
R695	NP Res	27	12	309698	4424851	R736	NP Res	28	12	314223	4421891
R696	NP Res	26	0	313180	4415598	R737	NP Res	29	11	314145	4421835

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R738	NP Res	28	10	314374	4421719	R779	NP Res	31	0	315126	4418602
R739	NP Res	29	0	315228	4419247	R780	NP Res	29	11	314149	4421772
R740	NP Res	27	11	314456	4421851	R781	NP Res	28	11	314309	4421728
R741	NP Res	38	15	312847	4422012	R782	NP Res	28	9	314471	4421481
R742	NP Res	39	22	312565	4423083	R783	NP Res	28	10	314345	4421649
R743	NP Res	27	10	314468	4421702	R784	NP Res	27	10	314510	4421558
R744	NP Res	28	6	314804	4420477	R785	NP Res	25	17	314458	4424562
R745	NP Res	27	11	314493	4421887	R786	NP Res	37	14	313099	4421980
R746	NP Res	28	10	314313	4421632	R787	NP Res	41	16	312502	4422214
R747	NP Res	29	0	315231	4419195	R788	NP Res	27	10	314488	4421711
R748	NP Res	34	0	314476	4419350	R789	NP Res	29	0	315206	4419361
R749	NP Res	29	0	315200	4419417	R790	NP Res	29	10	314213	4421569
R750	NP Res	39	23	312566	4423174	R791	NP Res	27	12	314399	4422039
R751	NP Res	30	12	313911	4421908	R792	NP Res	29	0	315155	4419449
R752	NP Res	27	10	314499	4421524	R793	NP Res	27	12	309739	4424862
R753	NP Res	40	21	312265	4422972	R794	NP Res	24	17	314498	4424758
R754	NP Res	34	0	314198	4419591	R795	NP Res	29	12	314202	4421986
R755	NP Res	38	15	312718	4422130	R796	NP Res	28	11	314274	4421750
R756	NP Res	31	0	315066	4419169	R797	NP Res	28	0	315163	4419773
R757	NP Res	34	14	313395	4421946	R798	NP Res	30	12	314010	4421952
R758	NP Res	39	23	312511	4423143	R799	NP Res	30	13	313896	4421984
R759	NP Res	41	20	312142	4422879	R800	NP Res	33	0	314527	4419426
R760	NP Res	30	13	313931	4422000	R801	NP Res	37	5	313820	4419720
R761	NP Res	29	10	314254	4421516	R802	NP Res	28	11	314322	4421775
R762	NP Res	28	11	314328	4421887	R803	NP Res	37	13	313348	4421732
R763	NP Res	28	10	314324	4421522	R804	NP Res	27	11	314450	4421966
R764	NP Res	30	12	314021	4421806	R805	NP Res	27	11	314441	4421836
R765	NP Res	30	12	313987	4421893	R806	NP Res	29	10	314257	4421573
R766	NP Res	34	0	314267	4419512	R807	NP Res	27	11	314482	4421942
R767	NP Res	29	12	314053	4421942	R808	NP Res	28	10	314359	4421659
R768	NP Res	35	0	314533	4419249	R809	NP Res	28	12	314225	4421983
R769	NP Res	29	13	314082	4422057	R810	NP Res	28	11	314411	4421821
R770	NP Res	33	14	313492	4422077	R811	NP Res	28	10	314381	4421560
R771	NP Res	39	6	313450	4420053	R812	NP Res	36	12	313479	4421514
R772	NP Res	28	10	314342	4421478	R813	NP Res	30	12	313958	4421784
R773	NP Res	28	10	314397	4421524	R814	NP Res	28	10	314262	4421613
R774	NP Res	28	11	314279	4421901	R815	NP Res	29	12	314115	4421974
R775	NP Res	31	13	313834	4422070	R816	NP Res	29	12	314064	4421827
R776	NP Res	28	6	314790	4420429	R817	NP Res	39	19	312639	4422727
R777	NP Res	30	13	313876	4422071	R818	NP Res	26	19	314222	4424584
R778	NP Res	28	0	315112	4419767	R819	NP Res	26	19	314225	4424512

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Receptor ID	Type	Day Noise (dBA)	UTM 17N NAD83			Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R820	NP Res	26	19	314209	4424511	R861	NP Res	31	13	313877	4421933
R821	NP Res	27	19	314170	4424471	R862	NP Res	38	15	312804	4422017
R822	NP Res	26	12	309648	4425128	R863	NP Res	32	14	313564	4422166
R823	NP Res	28	12	309784	4424792	R864	NP Res	39	6	313456	4420023
R824	NP Res	26	12	309747	4425100	R865	NP Res	31	12	313907	4421794
R825	NP Res	26	18	314258	4424514	R866	NP Res	30	13	313909	4422069
R826	NP Res	33	0	314457	4419563	R867	NP Res	26	18	314376	4424516
R827	NP Res	28	10	314435	4421655	R868	NP Res	28	20	313988	4424456
R828	NP Res	30	0	314597	4416565	R869	NP Res	28	11	314330	4421934
R829	NP Res	29	11	314238	4421640	R870	NP Res	28	10	314377	4421665
R830	NP Res	38	36	312381	4424658	R871	NP Res	30	6	314353	4420472
R831	NP Res	40	17	310573	4423984	R872	NP Res	31	0	315118	4418860
R832	NP Res	32	7	313950	4420597	R873	NP Res	38	36	312387	4424623
R833	NP Res	28	0	315309	4419348	R874	NP Res	27	11	314425	4421931
R834	NP Res	30	12	313919	4421832	R875	NP Res	30	14	313818	4422276
R835	NP Res	38	22	312592	4423015	R876	NP Res	33	0	314441	4419451
R836	NP Res	28	10	314303	4421527	R877	NP Res	27	11	314479	4421818
R837	NP Res	30	12	313909	4421851	R878	NP Res	29	11	314181	4421856
R838	NP Res	33	8	313697	4420609	R879	NP Res	38	6	313434	4420115
R839	NP Res	27	12	309734	4424771	R880	NP Res	28	0	315103	4419724
R840	NP Res	29	12	314128	4421987	R881	NP Res	27	11	314455	4421889
R841	NP Res	34	10	313298	4421077	R882	NP Res	28	10	314436	4421609
R842	NP Res	35	4	314007	4419631	R883	NP Res	29	16	313939	4422646
R843	NP Res	41	23	312461	4423204	R884	NP Res	28	11	314319	4421903
R844	NP Res	31	14	313807	4422142	R885	NP Res	38	35	312871	4424413
R845	NP Res	30	12	313952	4421962	R886	NP Res	28	12	314246	4421982
R846	NP Res	29	11	314208	4421725	R887	NP Res	28	12	314297	4422173
R847	NP Res	34	0	314531	4419315	R888	NP Res	27	9	314518	4421481
R848	NP Res	38	21	312614	4422873	R889	NP Res	34	0	314444	4419346
R849	NP Res	30	15	313900	4422513	R890	NP Res	33	0	314555	4419412
R850	NP Res	28	11	314398	4421970	R891	NP Res	28	0	315365	4419161
R851	NP Res	32	0	314631	4419492	R892	NP Res	31	25	312035	4425249
R852	NP Res	40	24	312559	4423275	R893	NP Res	33	7	313793	4420525
R853	NP Res	27	0	312769	4415903	R894	NP Res	30	15	313921	4422618
R854	NP Res	37	7	313384	4420265	R895	NP Res	31	14	313807	4422175
R855	NP Res	24	16	314555	4424661	R896	NP Res	30	13	313916	4421948
R856	NP Res	30	12	314008	4421851	R897	NP Res	34	10	313419	4421196
R857	NP Res	29	12	314188	4421891	R898	NP Res	35	0	314535	4419282
R858	NP Res	38	20	312718	4422767	R899	NP Res	31	14	313754	4422139
R859	NP Res	33	13	310720	4422349	R900	NP Res	34	0	314540	4419373
R860	NP Res	28	11	314325	4421739	R901	NP Res	28	12	314311	4422044

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R902	NP Res	38	22	312678	4423087	R943	NP Res	19	11	314670	4426465
R903	NP Res	27	11	314494	4421852	R944	NP Res	21	13	314960	4425562
R904	NP Res	29	12	314175	4421950	R945	NP Res	19	11	314837	4426272
R905	NP Res	28	11	314274	4421860	R946	NP Res	19	11	314988	4426088
R906	NP Res	27	11	314491	4421833	R947	NP Res	20	12	314971	4425782
R907	NP Res	29	13	314050	4422061	R948	NP Res	19	11	314739	4426433
R908	NP Res	29	0	315231	4419288	R949	NP Res	19	11	314957	4426103
R909	NP Res	38	0	313648	4416281	R950	NP Res	19	11	314926	4426234
R910	NP Res	26	12	309710	4425116	R951	NP Res	19	11	314950	4426221
R911	NP Res	38	23	312673	4423131	R952	NP Res	25	10	314860	4422008
R912	NP Res	27	0	313271	4415613	R953	NP Res	18	11	314921	4426401
R913	NP Res	31	13	313879	4421951	R954	NP Res	20	12	314479	4426297
R914	NP Res	27	11	314445	4421926	R955	NP Res	20	13	314687	4425960
R915	NP Res	30	15	313894	4422435	R956	NP Res	19	12	314968	4425972
R916	NP Res	38	20	312717	4422801	R957	NP Res	18	11	314971	4426352
R917	NP Res	39	38	312452	4424593	R958	NP Res	19	11	314696	4426464
R918	NP Res	28	11	314306	4421766	R959	NP Res	18	11	314915	4426310
R919	NP Res	29	12	314211	4421945	R960	NP Res	20	13	314506	4426134
R920	NP Res	28	12	314233	4421944	R961	NP Res	18	11	314829	4426398
R921	NP Res	32	26	312093	4425156	R962	NP Res	20	12	314950	4425798
R922	NP Res	32	0	314745	4419395	R963	NP Res	19	12	314637	4426380
R923	NP Res	29	0	312036	4418494	R964	NP Res	19	11	314881	4426285
R924	NP Res	34	0	312923	4418843	R965	NP Res	26	10	314835	4421973
R925	NP Res	27	12	309773	4424899	R966	NP Res	25	10	314852	4421972
R926	NP Res	30	11	314064	4421756	R967	NP Res	18	11	314878	4426441
R927	NP Res	19	11	314697	4426374	R968	NP Res	19	11	314822	4426327
R928	NP Res	18	11	314784	4426455	R969	NP Res	20	13	314958	4425646
R929	NP Res	18	11	314957	4426272	R970	NP Res	19	11	314777	4426383
R930	NP Res	19	11	314896	4426266	R971	NP Res	19	11	314872	4426305
R931	NP Res	19	12	314701	4426287	R972	NP Res	19	12	314947	4425992
R932	NP Res	21	13	314958	4425634	R973	NP Res	20	12	314945	4425825
R933	NP Res	20	12	314940	4425930	R974	NP Res	19	12	314676	4426368
R934	NP Res	19	11	314727	4426362	R975	NP Res	18	11	314926	4426419
R935	NP Res	19	11	314816	4426250	R976	NP Res	19	11	314774	4426307
R936	NP Res	18	11	314976	4426299	R977	NP Res	20	13	314568	4426124
R937	NP Res	19	12	314620	4426401	R978	NP Res	20	12	314750	4426026
R938	NP Res	19	12	314673	4426343	R979	NP Res	18	11	314893	4426487
R939	NP Res	18	11	314827	4426375	R980	NP Res	20	13	314628	4426099
R940	NP Res	21	13	314940	4425584	R981	NP Res	19	12	314672	4426313
R941	NP Res	20	12	314953	4425848	R982	NP Res	19	11	314662	4426429
R942	NP Res	18	10	314986	4426426	R983	NP Res	19	12	314598	4426456

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83		Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)					Easting (m)	Northing (m)
R984	NP Res	20	12	314951	4425872	R1025	NP Res	19	11	314647	4426468
R985	NP Res	19	11	314691	4426422	R1026	NP Res	18	11	314834	4426453
R986	NP Res	17	10	315020	4426473	R1027	NP Res	20	12	314989	4425932
R987	NP Res	18	10	315001	4426452	R1028	NP Res	19	11	314739	4426410
R988	NP Res	20	12	314549	4426278	R1029	NP Res	19	12	314949	4426022
R989	NP Res	18	10	314908	4426473	R1030	NP Res	18	11	314876	4426379
R990	NP Res	18	10	314982	4426401	R1031	NP Res	19	11	314624	4426465
R991	NP Res	19	12	314633	4426424	R1032	NP Res	18	11	314743	4426463
R992	NP Res	19	11	314775	4426357	R1033	NP Res	25	10	314868	4421970
R993	NP Res	19	11	314777	4426333	R1034	NP Res	19	11	314824	4426352
R994	NP Res	18	11	314881	4426407	R1035	NP Res	20	12	314672	4426131
R995	NP Res	19	11	314980	4426037	R1036	NP Res	19	11	314778	4426404
R996	NP Res	19	12	314764	4426280	R1037	NP Res	20	12	314959	4425657
R997	NP Res	18	11	314916	4426345	R1038	NP Res	19	11	314953	4426144
R998	NP Res	20	12	314686	4426197	R1039	NP Res	21	13	314958	4425611
R999	NP Res	18	11	314832	4426424	R1040	NP Res	20	12	314968	4425931
R1000	NP Res	19	11	315001	4426199	R1041	NP Res	18	11	314974	4426376
R1001	NP Res	20	12	314740	4426097	R1042	NP Res	36	4	313887	4419592
R1002	NP Res	20	12	314718	4426159	R1043	NP Res	26	0	311383	4418894
R1003	NP Res	18	11	314973	4426325	R1044	NP Res	25	16	311253	4426112
R1004	NP Res	26	10	314815	4421975	R1045	NP Res	34	31	312271	4424866
R1005	NP Res	18	11	314920	4426374	R1046	NP Res	29	11	309922	4422567
R1006	NP Res	20	13	314668	4426039	R1047	NP Res	28	0	315379	4419278
R1007	NP Res	19	11	314976	4426208	R1048	NP Res	27	17	311439	4425897
R1008	NP Res	25	10	314846	4422009	R1049	NP Res	22	15	314080	4426015
R1009	NP Res	20	13	314490	4426216	R1050	NP Res	27	9	314496	4421480
R1010	NP Res	20	12	314627	4426205	R1051	NP Res	28	10	314398	4421481
R1011	NP Res	21	13	314959	4425624	R1052	NP Res	31	10	313795	4421311
R1012	NP Res	20	13	314563	4426198	R1053	NP Res	31	10	313843	4421223
R1013	NP Res	19	11	314731	4426384	R1054	NP Res	37	7	313335	4420288
R1014	NP Res	19	12	314732	4426299	R1055	NP Res	32	0	314690	4417726
R1015	NP Res	19	11	314985	4426155	R1056	NP Res	29	0	312471	4416671
R1016	NP Res	18	11	314924	4426443	R1057	NP Res	28	0	312154	4416684
R1017	NP Res	19	11	314828	4426302	R4001	NP School	30	14	313939	4422220
R1018	NP Res	25	10	314875	4422007	R4002	NP School	22	14	314803	4425437
R1019	NP Res	18	11	314874	4426358	R4003	NP Church	21	13	314841	4425628
R1020	NP Res	20	12	314959	4425668	R4004	NP Church	31	24	311849	4425230
R1021	NP Res	19	11	314734	4426337	R4005	NP Church	37	33	312114	4424548
R1022	NP Res	18	11	314872	4426328	R4006	NP Church	26	18	314375	4424472
R1023	NP Res	18	11	314781	4426429	R4007	NP School	31	0	313095	4416177
R1024	NP Res	19	12	314782	4426259	R5001	NP RV Park	27	19	314147	4424536

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Receptor ID	Type	Day Noise (dBA)	Night Noise (dBA)	UTM 17N NAD83	
				Easting (m)	Northing (m)
R5002	NP Township	34	0	314158	4419535
R5003	NP Cemetery	33	28	313279	4424397
R5004	NP Cemetery	35	26	313315	4423924
R5005	NP Cemetery	27	0	315177	4419907
R6001	NP Park	25	0	311031	4419221
R6002	NP Park	25	0	311089	4419009
R6003	NP Park	24	0	310958	4418622
R6004	NP Park	24	0	310892	4418681
R6005	NP Park	27	10	314586	4421630
R6006	NP Park	21	13	314978	4425321
R6007	NP Golf	32	0	314708	4417610
R6008	NP Golf	21	14	314021	4426265
R2001	P Res	38	14	313008	4421873
R2002	P Res	44	43	312636	4424421
R2003	P Res	41	37	312719	4424102
R2004	P Res	42	20	311969	4422869
R2005	P Res	36	4	313928	4419546
R2006	P Res	43	20	312002	4422890
R2007	P Res	40	18	310769	4424223
R2008	P Res	39	19	310798	4424313
R2009	P Res	40	28	311804	4424253
R2010	P Res	42	40	312322	4424406
R2011	P Res	42	20	311949	4422856
R2012	P Res	40	16	310774	4423263
R2013	P Res	40	0	313377	4419374
R2014	P Res	49	23	311992	4423278
R2015	P Res	39	34	312122	4424345
R2016	P Res	42	19	311929	4422843
R2017	P Res	40	15	312569	4421983
R2018	P Res	39	34	312098	4424377
R2019	P Res	39	34	312116	4424384
R2020	P Res	45	27	311937	4423782
R2021	P Res	35	7	313345	4420447
R2022	P Res	36	7	313341	4420350

Appendix D: Measured Noise Levels (Unattended)

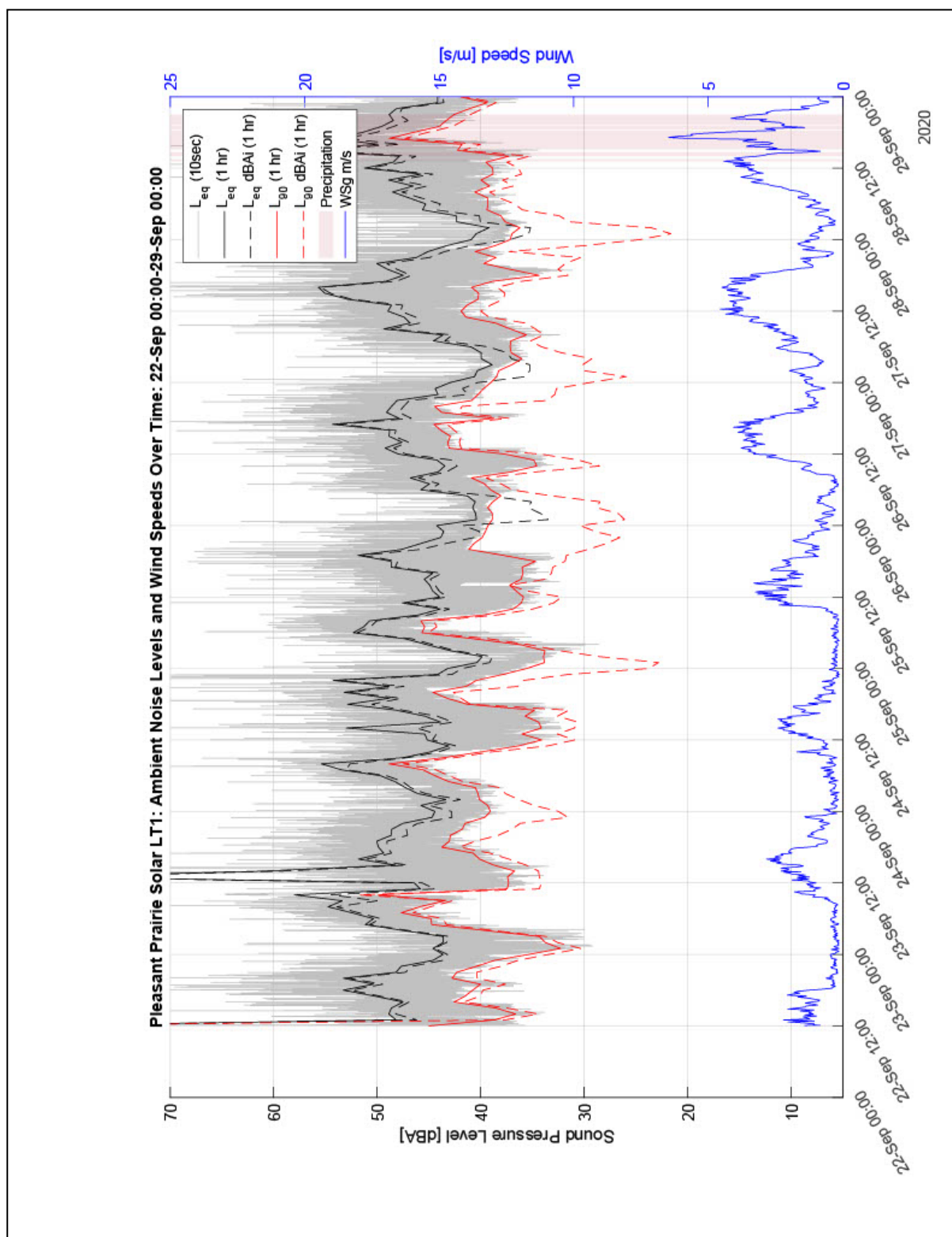


Figure D-1. Measured Background Noise Levels at Location LT1

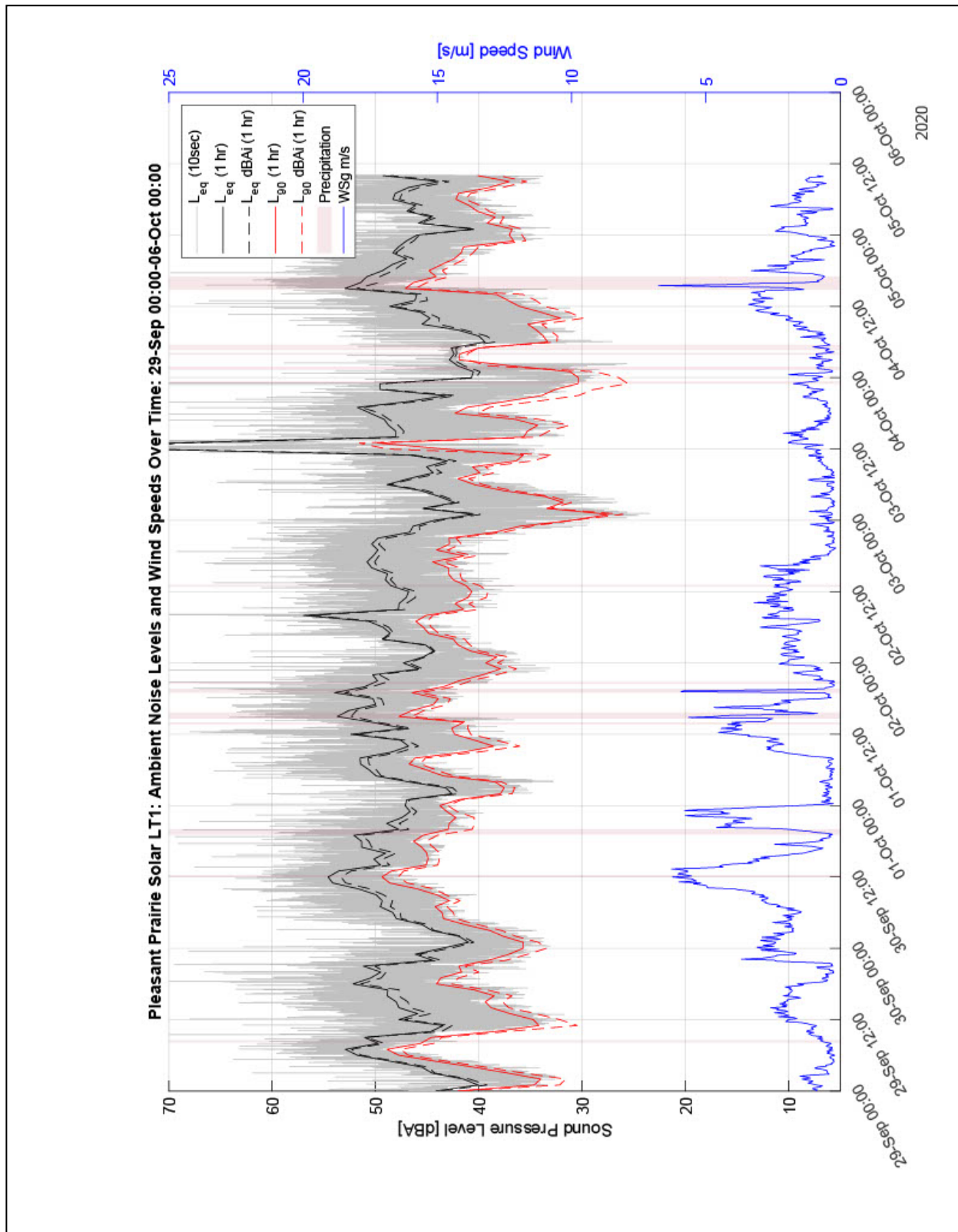


Figure D-2. Measured Background Noise Levels at Location LT1 (continued)

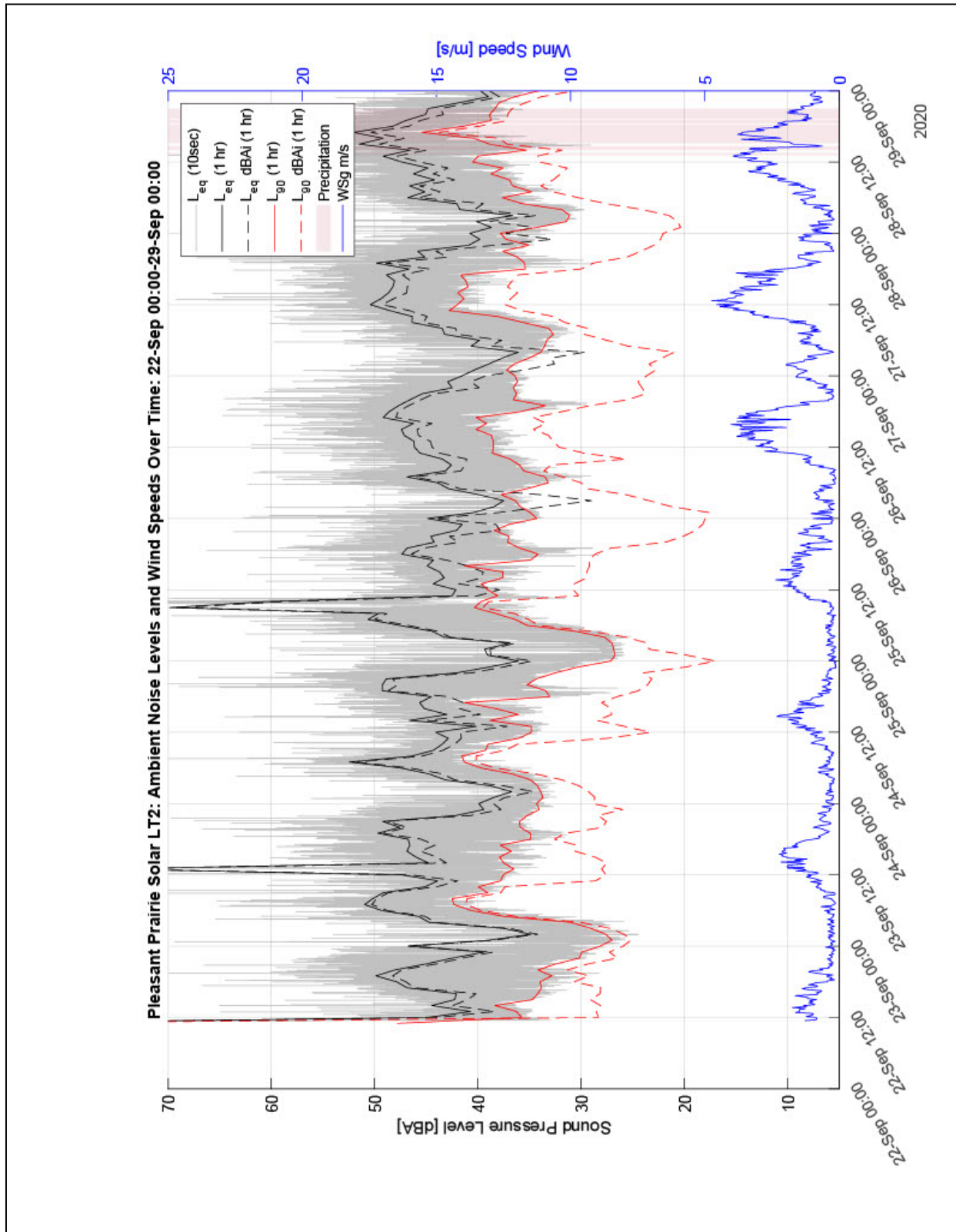


Figure D-3. Measured Background Noise Levels at Location LT2

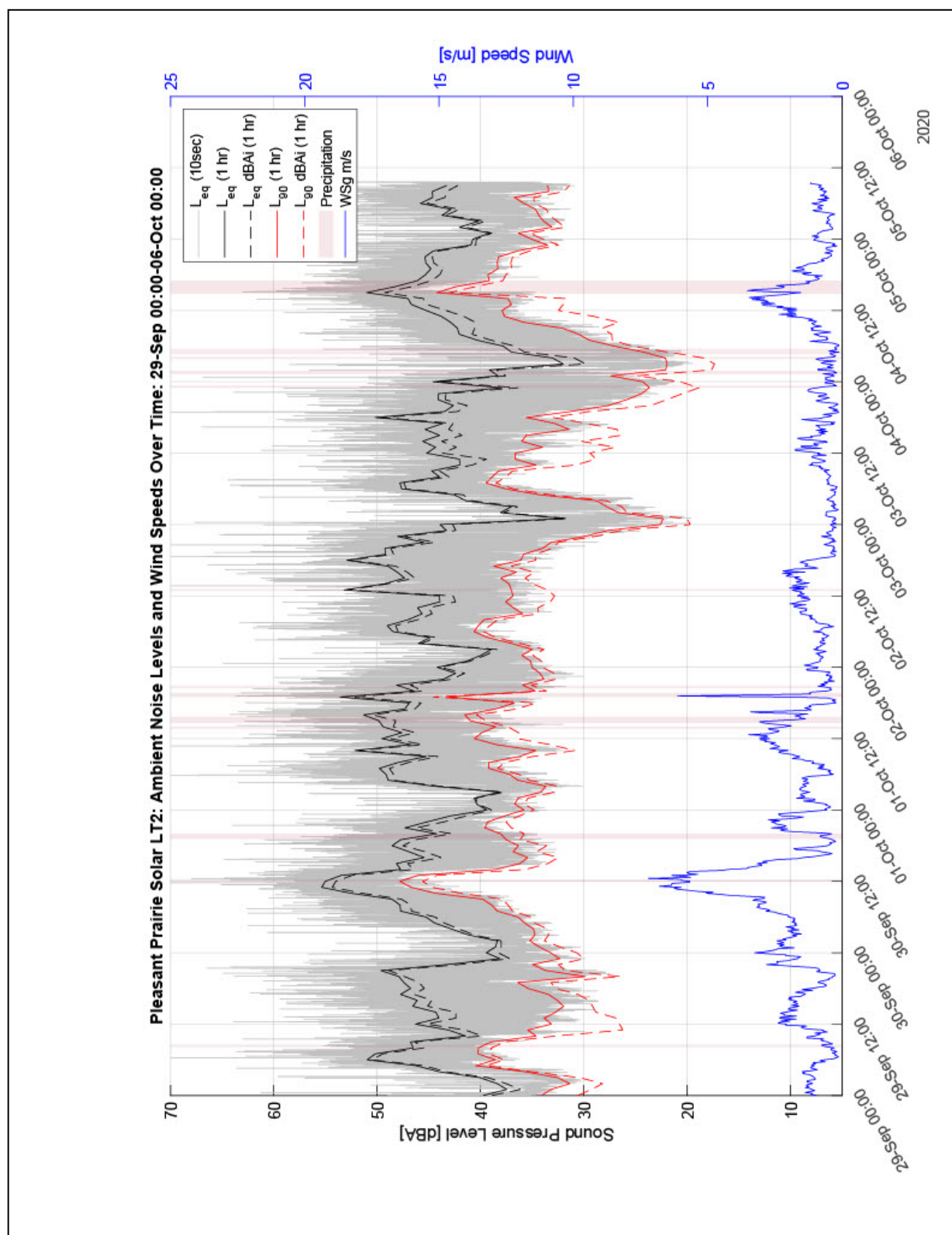


Figure D-4. Measured Background Noise Levels at Location LT2 (continued)

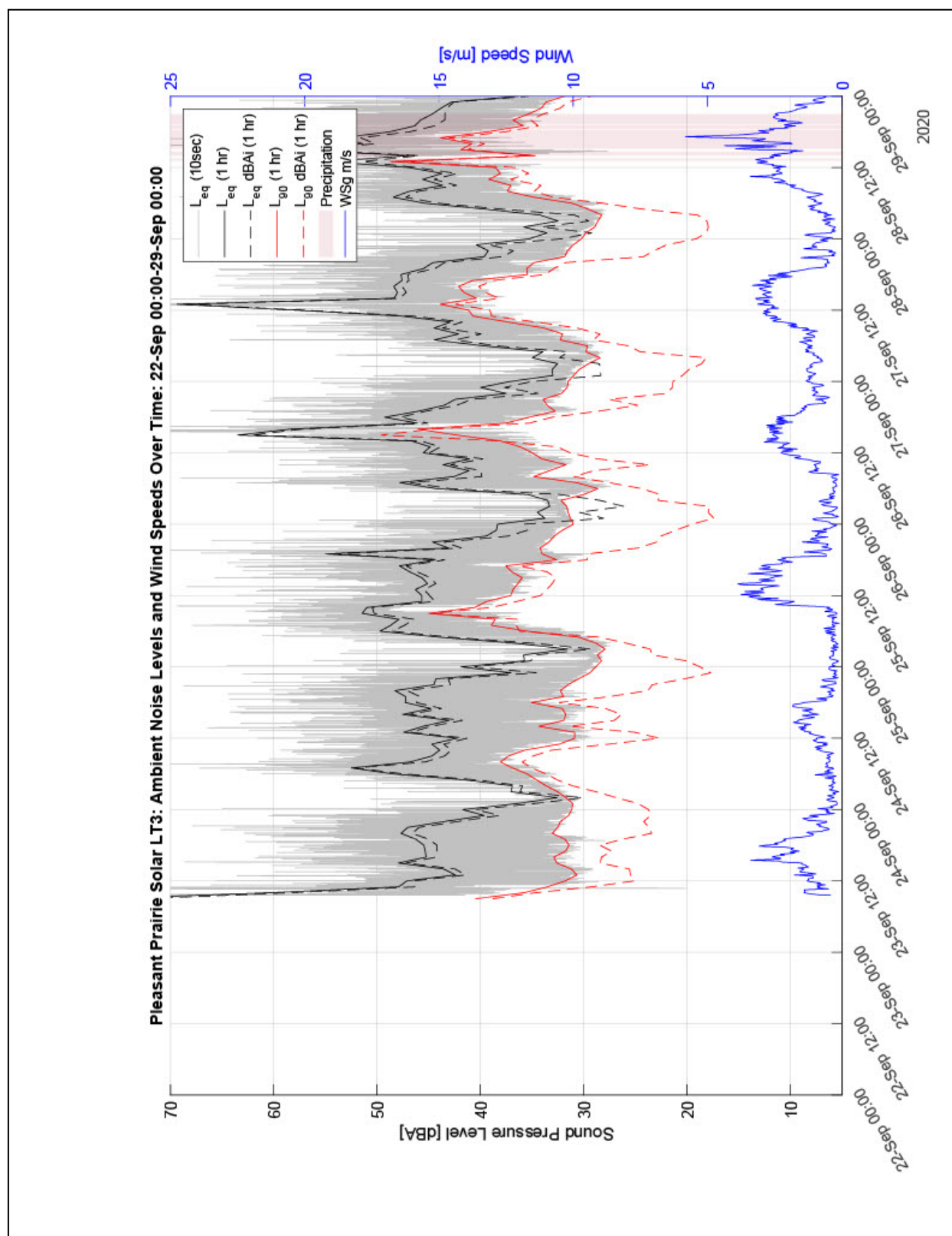


Figure D-5. Measured Background Noise Levels at Location LT3

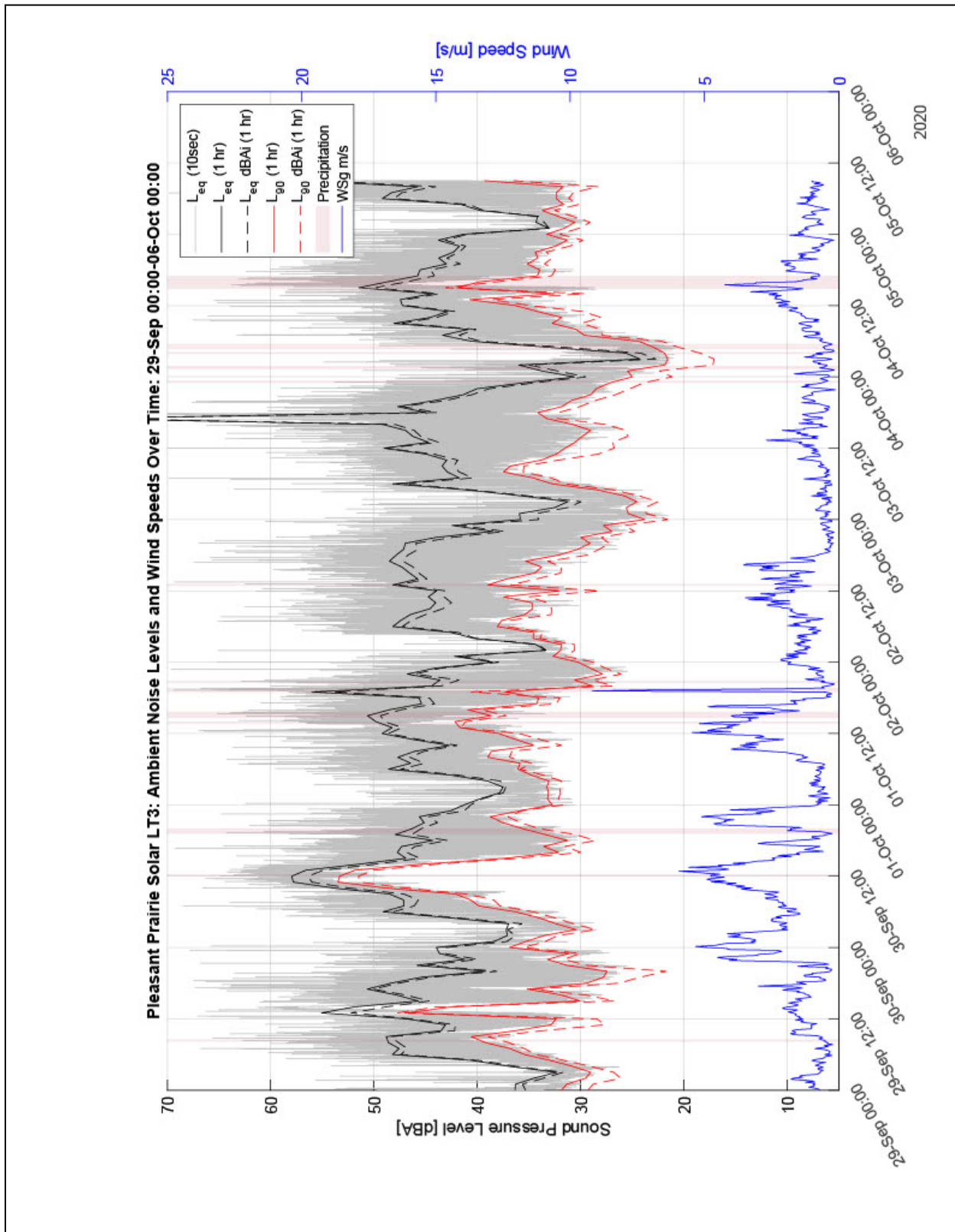


Figure D-6. Measured Background Noise Levels at Location LT3 (continued)

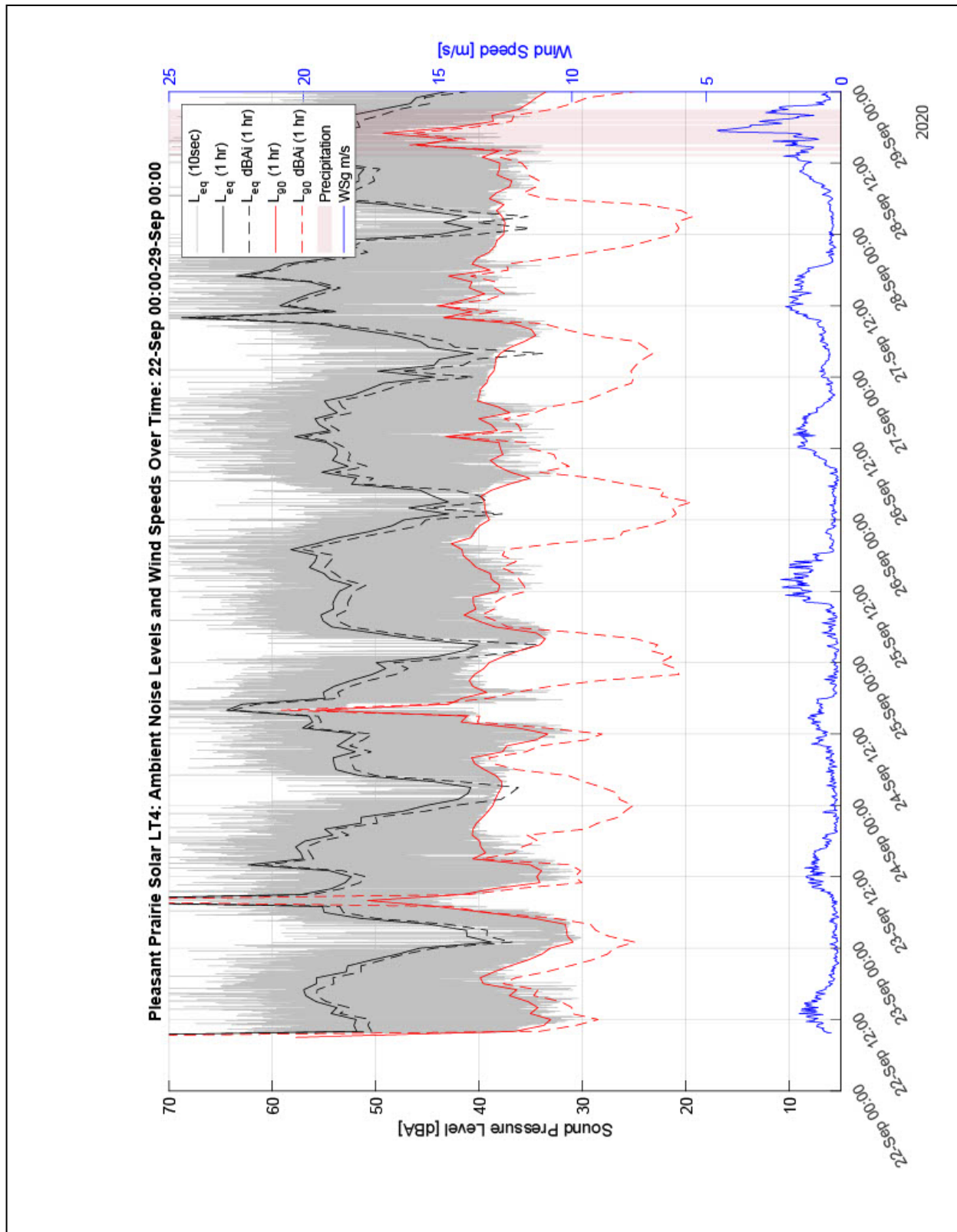


Figure D-7. Measured Background Noise Levels at Location LT4

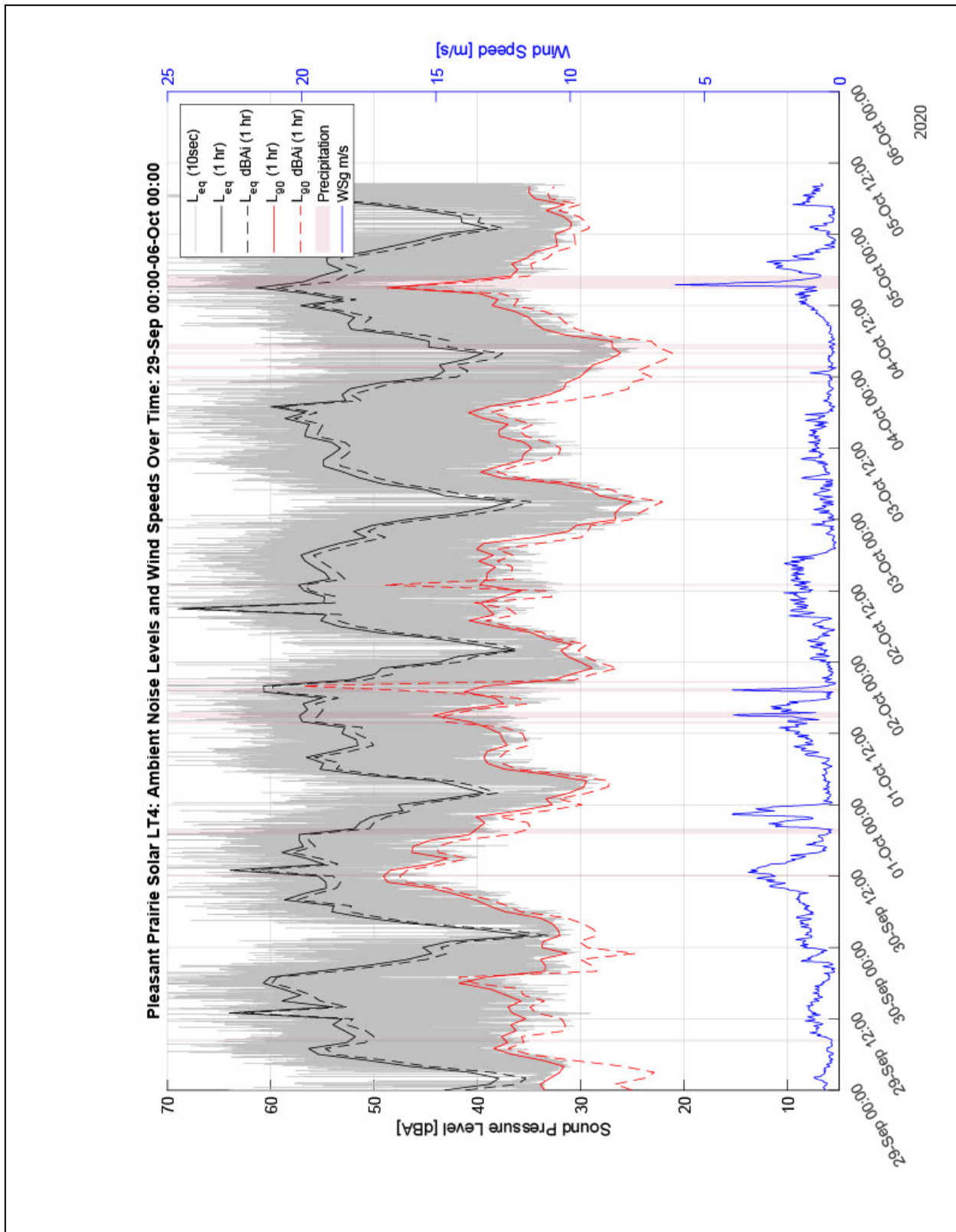


Figure D-8. Measured Background Noise Levels at Location LT4 (continued)

Attachment 3

Construction and Operation Notice Letters



One South Wacker Drive | Suite 1800 | Chicago, Illinois 60606

T 312-224-1400 | F 312-224-1444

Landowner/Tenant

Address

City, State, Zip

Month, DD, YYYY

Re: Pleasant Prairie Solar Energy LLC, Ohio Power Siting Board Case No. 20-1679-

EL-BGN Dear Pleasant Prairie County Landowner,

Pleasant Prairie Solar Energy LLC (Pleasant Prairie Solar) plans to begin construction of the 250-megawatt (MW) Pleasant Prairie Solar Energy Center on or around [Month, Day, Year]. Pleasant Prairie Solar has complied with all preconstruction-related conditions of the certificate issued by the Ohio Power Siting Board on [Month, Day, Year].

Civil construction work is scheduled to continue through [Month, Year]. Equipment installation is planned between [Month, Year] and [Month, Year], with testing and commissioning occurring into [Month, Year or Quarter, Year]. Finally, site restoration will occur in the [Quarter of Year].

General construction activities will be limited to the hours of 7:00 am to 7:00 pm or until dusk when sunset occurs after 7:00 pm. Construction activities that do not involve sound increases above ambient levels and non-participating residences are permitted outside of daylight hours when necessary.

Attached to this letter is the Pleasant Prairie Solar Complaint Resolution Plan.

Please do not hesitate to reach out with questions, concerns, or complaints during construction or operation of the facility.

Thank you,

Name

Contact Information

Enclosure: Attachment A, Pleasant Prairie Solar Complaint Resolution Plan



One South Wacker Drive | Suite 1800 | Chicago, Illinois 60606
T 312-224-1400 | F 312-224-1444

Landowner/Tenant

Address

City, State, Zip

Month, DD, YYYY

Re: Pleasant Prairie Solar Energy LLC, Ohio Power Siting Board Case No. 20-1679-
EL-BGN Dear Pleasant Prairie County Landowner,

Pleasant Prairie Solar Energy LLC (Pleasant Prairie Solar) plans to begin commercial operations of the 250-megawatt (MW) Pleasant Prairie Solar Energy Center on or around [Month, Day, Year]. Pleasant Prairie Solar has complied with all preconstruction-related conditions of the certificate issued by the Ohio Power Siting Board on [Month, Day, Year].

Testing and commissioning of the facility will be finalized by [Month, Year], allowing commercial operations to be achieved by [Month, Day, Year].

Attached to this letter is the Pleasant Prairie Solar Complaint Resolution Plan.

Please do not hesitate to reach out with questions, concerns, or complaints during the operation of the facility.

Thank you,

Name

Contact Information

Enclosure: Attachment A, Pleasant Prairie Solar Complaint Resolution Plan

Attachment 4

Community Engagement and Responses

Name	Phone	Question	Notes	Duration	Joined At	Question Tim	Live Time	Captured Alt.	Captured Em	Captured Add	Captured Add	Captured City	Captured Sta	Captured Zip
Tiff with Support	7205456472			65	16:43									
Emily Paice	3125821559			17	16:44									
Inbound Caller: [Wireless Caller]	6143020292			88	16:57									
Inbound Caller: [Robert Wenger]	6145303791			9	18:09									
Inbound Caller: [Wireless Caller]	6145581850			73	16:57									
George Steeber - Gallaway	6148787063	He is worried about the financial impact on his property and silicone dust etc.... What are the long range medical effects? Electromagnetic radiation...what will this disrupt?		79	16:48	17:50	18:02							
		Will this project require a resident requirement? When are you guys looking for Construction to start?		64	16:59	17:49	17:59							
Kip Ceizel	4192021715			49	17:05									
Inbound Caller: [Pritchard R]	6142163386			67	16:46									
Michael Kaplan	3125821293			2	17:51									
Inbound Caller: [Wireless Caller]	6148329550			51	17:01									
Inbound Caller: [David Sanborn]	6145788816			37	17:14									
Inbound Caller: [Wireless Caller]	6147535934			44	17:04									
Inbound Caller: [Kelly Hennosy]	6145064198			26	17:09									
Inbound Caller: [Anthony Vangund]	6144060887			33	17:01									
Inbound Caller: [Lanese Michael]	6145373816			23	17:06									
Inbound Caller: [Tim Radich]	6148055183			28	17:01									
Alden Shepherd	6146348709			14	17:01									
Inbound Caller: [Wireless Caller]	5029743787			10	17:01									
Inbound Caller: [Wireless Caller]	6147535934			3	17:07									
Inbound Caller: [Lauren Ghidotti]	6145374553			6	17:03									
Inbound Caller: [Wireless Caller]	6142088925			7	16:59									
Inbound Caller: [Robert Wenger]	6145303791			1	17:04									
Inbound Caller: [William Byers I]	6143090313			3	17:02									
Inbound Caller: [Wireless Caller]	6148329550													
Nancy Hunter	6148780109	Trying to join the meeting and cant. What should she do?		6	16:57	17:01								
Inbound Caller: [Tristan Navera]	9373048042			1	17:02									
Inbound Caller: [Rita Sharrock]	6143091399			2	17:00									
Inbound Caller: [Natalie Jennings]	6144997190			2	16:59									
Inbound Caller: [Martinelli Pasq]	6083344275			1	17:00									
Inbound Caller: [Squire]	6146792575			2	17:00									
Inbound Caller: [Wireless Caller]	6145197469			4	16:58									
Inbound Caller: [Michael Koenig]	6143573700			1	16:58									
Inbound Caller: [Carriage House]	6148786423			2	16:49									
Rickii with Support (Quality Check)	7208227944			5	16:40	16:41	16:44							
Howard - LA	3014050831	On the real esate values the studies that were going to be shown...will they be with 250megawatt?	He wants to r	44	17:52	18:26	18:35							
Inbound Caller: [American Electr]	6144257835			64	17:41									
Inbound Caller: [Schilling Sharo]	6142661521			101	17:00									
Inbound Caller: [Ryan Kalnins]	5713381781			50	17:51									
Steve - Gallaway OH	6145064198	Is there an end to the solar panels? Do they have an expiration timeframe or what about the program?		4	18:36	18:36								
Inbound Caller: [Wireless Caller]	6144004076			118	16:57									
Inbound Caller: [Bauer Katelyn]	5026936959			116	17:03									
Carrie with Support	3039686172			138	16:43									
Tiff with Support	7205456472			73	17:49									
John Wojcikiewicz	3125821722			136	16:46									
Steven M	3125821546			133	16:49									
Allan	3123162999			151	16:31									
Matt Butler	6145656104			131	16:51									
Josh Hreha	7738082145			136	16:46									
Lesley Fisher	7738082133			136	16:46									
Emily	3125821559			84	17:37									
Chris Pirik	6145956851			135	16:46									
Brad Romano	3124292560			137	16:45									
Rickii with Support	3037912108			150	16:31									
Geoff Patterson	2707763328			142	16:40									
Ryan with Production	2025900704			156	16:25									
Erin Saal	3128486815			138	16:44									
Morgan Kreitner	6185671235			139	16:42									
Inbound Caller: [5199291 Sasson]	6145199291			118	17:04									
Inbound Caller: [Zabenco Gregory]	5024195831			123	16:59									
Inbound Caller: [Lanese Michael]	6145373816			23	18:39									
Inbound Caller: [Jenny Snapp]	6148003661			123	16:59									
Inbound Caller: [Wireless Caller]	6147535934			35	18:26									
Inbound Caller: [Robert Wenger]	6145303791			19	18:43									
Dial-in Host [Alden Shepherd]	6146348709			92	17:30									
Prod. Audio Conduit	123456789			207	15:34									

Inbound Caller: [Douglass Price]	4125590193			123	16:58								
Inbound Caller: [Wireless Caller]	9372057770			84	17:37								
Natisha - Moderator	3035233281			152	16:30								
Inbound Caller: [Mark M. Drury]	6153307587			123	16:59								
Dial-in Host [Copeland Darden]	2026159199			89	17:33								
Ryan Van Portfliet	3034351972			141	16:40								
Inbound Caller: [Teresa Benedett]	6147950912			123	16:58								
Inbound Caller: [Adam Troy]	7705460032			127	16:54								
Inbound Caller: [Robert Haney]	9417021001			122	16:59								

IP	Name	Email	Zip Code	Start Time	Duration (min)	Question	Time Asked
107.126.82.30	Rick Wilson	rwilson@invenenergy.com		12/14/2020 14:28	56		
67.143.160.69				12/14/2020 14:28	123		
74.139.104.111	Steve Bailey	sbailey410@gmail.com		12/14/2020 14:39	66		
207.229.189.225	lauren ghidotti	lghidotti@invenenergy.com		12/14/2020 14:42	123		
184.57.118.232				12/14/2020 14:46	123		
23.123.254.194	Pat	pat.jones55@icloud.com		12/14/2020 14:46	123	'What is time frame for construction from beginning to end. What is noise level? Who maintains road maintenance for heavy equipment used. How tall is the fencing and what type?' 'why haven't you investigated land north of Broad street away from houses or further out in Madison Co.'	12/14/2020 17:14
71.112.208.27	Thomas Sacco	tsacco@invenenergy.com		12/14/2020 14:50	123		
52.177.249.187				12/14/2020 14:50	0		
174.101.93.213	Jenny H	jenhemp25@hotmail.com		12/14/2020 15:09	103	'People move to the rural areas for the openness and the views. If these panels are going to be up to 15 feet tall in our backyards that aspect of our homes will be destroyed. And planting trees and shrubs to hide the panels will only fence us in further.' 'Are the other solar farms in Ohio developed so close to private residences?' 'Solar farms are so new are there any good studies the effect on property values?' 'Think this was touch on and not much that can be done but this project is clearly going to affect wildlife - deer coyote birds of prey'	12/14/2020 17:05
70.62.208.122	mark knight	msknight0620@aol.com		12/14/2020 15:10	94	'I am a homeowner ' 'I am a homeowner on Kuhlwein Road. this project is directly to the north and south of my property. What are the plans for landscaping and barriers. Any pictures/drawings that I would expect to see from my front porch looking to the north' 'Most neighbors that I have talked with are very concerned about a reduction of property values. What assurances can you provide us that this will not occur.'	12/14/2020 16:24
174.101.93.213	John	Johnhemphill283@gmail.com		12/14/2020 15:13	123		
174.101.88.33	stephen Hennosy	shennosy@yahoo.com		12/14/2020 15:15	123		
174.232.11.125	Robert Bausch	Rbausch@pleasanttownship.com		12/14/2020 15:16	123	'What are the environmental impacts of a solar farm' 'Will the properties involved lose their Cauv status' 'Will the properties have perimeter fence if so what kind?' 'During construction will the construction team consult with the the local townships to minimize damage to their roads?' 'What is the lease rate for the properties involved?'	12/14/2020 16:49

						'The Darby Creek Association asks for continuous engagement with Invenergy in order to adequately address conservation concerns including regular communication and working meetings and beyond that required by the Ohio Power Siting Board.' 'How will the project meet and exceed the Big Darby Stormwater Permit requirements which go beyond those for other watersheds and are more stringent and protective?' 'The Darby Creek Association requests that revenues be directed toward Big Darby Creek conservation purposes.' 'Could the property be developed (residential and commercial) at the end of the project life?' 'How will Invenergy work with Metro Parks and others to address conservation planning including links to present and future adjacent conservation areas' 'Will Invenergy include fencing that is wildlife-friendly and aesthetically appealing. Chainlink fence is not wildlife friendly.'	
172.12.204.90	Anthony Sasson	asasson@aol.com		12/14/2020 15:17	123		12/14/2020 17:13
67.149.188.70				12/14/2020 15:19	123		
184.96.181.78				12/14/2020 15:19	83		
76.252.159.96	Naomi O'Harra	Gallowayquilter@yahoo.com		12/14/2020 15:20	91		
67.149.188.70				12/14/2020 15:28	123		
23.227.142.203	Nancy Dreussi	nancy.dreussi@gmail.com		12/14/2020 15:32	0		
107.77.194.220	Jeff Schilling	farmer.jeff@yahoo.com		12/14/2020 15:33	7		
174.232.5.245	Theresa White	theresa.white@puco.ohio.gov		12/14/2020 15:37	123		
						'Do I understand this correctly that you will not be bonded until year 15 if so why not on day one?' 'I don't have a question trying to join a meeting.' 'I believe in your contract it says you will not be bonded until the 15th year why is that and why not at the beginning of the project' 'What happens to the property and the solar panels when you no longer use them?' 'Who will benefit from the energy generated from this project?' 'Will the land be contaminated when the project is over? Can it be used as farmland after the project is over?'	
75.188.137.26	Nancy Hunter, Pleasant	nhunter@pleasanttownship.com		12/14/2020 15:40	123		12/14/2020 16:02
174.96.177.125	Daniel Agriesti	dagriesti915@gmail.com		12/14/2020 15:40	123		
174.96.177.177	Duane Delinger	ddelling@columbus.rr.com		12/14/2020 15:42	122		
174.96.179.66	carol stueber	carolstu312@aol.com		12/14/2020 15:43	123	'we are not in favor of this project (prop . value aesthetics noise) '	12/14/2020 17:57
70.62.12.190	Cathy Schmelzer	cschmelzer@prairietownship.org		12/14/2020 15:45	116	'Can the resident that were not able to join this meeting can they listen to this meeting?' 'can the residents that were not able to join this meeting can they log into a link and listen Has this been recorded?'	12/14/2020 17:35
174.101.67.71	JAMES TIMPERLEY	j.e.timperley2@gmail.com		12/14/2020 15:46	114	'none at this time' 'will there be sheep on the site if yes how many?' 'Comment: from the solar farm inverters I have worked with the sound level is very low and should no be noticed off the property..'	12/14/2020 15:51
69.47.134.87	Kevin	prairietownship@webtechresource.com		12/14/2020 15:48	54		
24.160.195.9	Squire Galbreath	squire1960@gmail.com		12/14/2020 15:50	103		

174.101.79.93	Ryan Mathews	ryan.p.mathews1@gmail.com		12/14/2020 15:50	123	'When will the property value study be available? What have you seen with other projects of similar size with property values?' 'How will future taxes be assessed on home owners and how soon will they be implemented?' 'Who is providing input into the property value studies?'	12/14/2020 17:20
40.142.185.165	Dale Arnold	darnold@ofbf.org		12/14/2020 15:51	123		
174.101.79.91	nick	yamahaman0530@gmail.com		12/14/2020 15:52	64	'What have similar projects done to the property values for homes in the immediate vicinity of the project?' 'Are there any health risks with living directly next to the solar field with the electromagnetic radiation it emits?' 'Will we expect an increase in flooding from runoff? How do you plan to address issues with drainage?'	12/14/2020 17:19
24.35.119.238	S. A. Linden	linden333@zoho.com		12/14/2020 15:52	61		
172.2.184.167	Carleen Nye	carleenmortimer@yahoo.com		12/14/2020 15:52	123	'What do you anticipate will happen to Murnan Rd property values?'	12/14/2020 16:58
174.101.77.50	MICHAEL KOENIG	mazda99miata@gmail.com		12/14/2020 15:53	0		
198.234.165.3				12/14/2020 15:54	0		
98.149.132.109	Buz Schott	buz@slingshotpa.com		12/14/2020 15:54	123		
174.232.6.233	Ashley Hoyer	ashleyhoyer@hotmail.com		12/14/2020 15:55	123		
65.60.182.138				12/14/2020 15:55	123		
174.96.178.91	Natalie Jennings	natalie@altonfarmstead.com		12/14/2020 15:55	123		
174.101.77.50	Mike Koenig	mazda99miata@gmail.com		12/14/2020 15:56	123	'Is tonight's PowerPoint available on the project site?' 'Will all questions and responses for tonight's presentation be posted on the project web site for all participants to read?' 'What is the minimum design distance between a residential property line and the vegetative barriers? What is the minimum design distance between a residential property line and any inverters?' 'Is the 100' setback mentioned in an earlier question to the vegetation fencing or the panels?' 'Electromagnetic energy will interfere with cell phone transmission TV transmission and radio transmission. Will Invenenergy do an electromagnetic impact study for this project?'	12/14/2020 17:06
174.101.76.22	Greg			12/14/2020 15:56	123	'With the ground being so flat and at times we get decent amounts of wind do we need to worry about wind noise / whistling as it comes across the panels?' 'Will there be staff on site that will check for garbage etc that might get stuck in the fence around the project?' 'Will there be security lights around the solar areas if so how tall are they and how close (many) would they be?'	12/14/2020 17:43

						'Does the Prairie twp zoning board need to approve rezoning of the land?' 'Noise is generated by the inverters. Why is the inverter proposed to be located near residential properties?' 'Are government subsidies used to pay for this project?' 'I understand there is an unground transcontinental fiber optic transmission line that goes through the area where the solar panels are proposed. How do you plan on handling this?' 'Why weren't all residents adjacent to this project notified of the project and this meeting? My next door neighbor was not notified.' 'Will the Dan Darby airport be closed due to this project?'	
174.101.93.157	Clair Reynolds	crbr@woh.rr.com		12/14/2020 15:56	123		12/14/2020 17:24
75.187.55.139	Christopher Zoelle	Christopher.Zoeller@puco.ohio.gov		12/14/2020 15:56	123		
67.149.79.115				12/14/2020 15:57	0		
67.149.79.115	Jenny R. Snapp	jrsnapp@franklincountyohio.gov		12/14/2020 15:57	123		
						'Can you provide a few details regarding the type of fencing that will surround the facilities? Many home owners will be looking at them daily.' 'You covered the distance the panels will be from the road how far will they be from resident's homes?' 'So once decommissioned the property can be developed as residential or commercial? Are you saying that the property will not revert to its original agriculture zoning status?'	
174.96.177.171	Rita	ritarocks6495@aol.com		12/14/2020 15:57	123		12/14/2020 17:21
75.179.185.227	James	jrschimmer@franklincountyohio.org		12/14/2020 15:57	117	'would Invenenergy consider buying solar panels made in Ohio?'	12/14/2020 17:18
						'Are you going through Metro Park land' 'Does the project go underground for any roads in its route?' 'Does the electric generated go underground or overhead from Broad St north?'	
174.101.76.126	Neil Distelhorst	distelho@earthlink.net	43119	12/14/2020 15:57	122		12/14/2020 16:51
						'How are you working with the Metro Parks since your land is adjacent to Battelle-Darby Metro Park?' 'Much of the Metro Park is prairie/grassland adjacent to your proposed facilities. What hazards/benefits would there be for the grassland (fire hazard?) and the numerous birds and animals attracted to at area?' 'Who is responsible for inspecting construction and operations are following all environmental etc. guidelines?'	
75.118.74.252	Diana	morawetz.1@gmail.com		12/14/2020 15:58	123		12/14/2020 16:51
76.200.192.103	Matt Butler	matthew.butler@puco.ohio.gov		12/14/2020 15:58	48		
40.94.28.166				12/14/2020 15:58	0		
						'Since solar farms are not silent how far away are the noise generating pads from homes? ' 'How can the park even consider leasing or working with this project? The park land was purchased with tax dollars and having them allow the property needed it seems like allowing the passage needed is a business transaction. '	
174.96.179.54	Amy	Amy1peter3.4@gmail.com		12/14/2020 15:58	123		12/14/2020 17:33
74.139.107.253	Grant Zeto	grant.zeto@puco.ohio.gov		12/14/2020 15:58	123		
24.92.137.218	DIANNE Albrecht	dalbrecht3990@gmail.com		12/14/2020 15:58	123		
76.181.225.227	DALE KRUMMEN	dakrummen@yahoo.com		12/14/2020 15:59	101	'Solar panel manufacturer and factory location?'	12/14/2020 17:49
174.46.116.140	Pasquale Martinelli			12/14/2020 15:59	123		
174.232.13.13	Scott Brockman	Bettterboulder@hotmail.com		12/14/2020 15:59	123		
71.206.98.161	Charles Jackson	theoleonetwoo@gmail.com		12/14/2020 15:59	86		
174.101.80.13	Brittany Hanby	hanby.21@osu.edu		12/14/2020 15:59	71		

						'you are building this in a residential area so how are homeowners to be compensated for the loss of property value?' 'Your project is going to be on three sides of my house. Are you really trying to tell me my property value won't go down?' 'Your project is surrounding 3 sides of my home. There is not logic in stating it will not harm property values when the views will be ruined. How do we get reimbursed for our loss? '	
65.24.38.241	Jill Drexel	jdrex@aol.com		12/14/2020 16:00	122		12/14/2020 17:23
75.188.132.131	Aubrey Barker	aubrey.barker@puco.ohio.gov		12/14/2020 16:00	121		
65.24.243.3	Tristan Navera	tnavera@bizjournals.com		12/14/2020 16:00	68		
24.160.200.247	Kathy Miller	millerkathy@me.com		12/14/2020 16:00	90		
40.94.34.93				12/14/2020 16:00	1		
75.188.141.230	Don Eckhart	Eckhart819@yahoo.com		12/14/2020 16:01	97		
75.188.141.230				12/14/2020 16:01	96		
24.33.231.117	Susan Brauning	sb3385@columbus.rr.com		12/14/2020 16:01	121		
65.24.39.223	John W Brenner	johnb@insight.rr.com		12/14/2020 16:01	103	'Can I please receive a copy of this presentation?'	12/14/2020 17:15
174.105.79.238	David Donofrio	daviddonofrio1@gmail.com		12/14/2020 16:02	59	'I'm so excited for our community! What impact on the energy grid will this make?'	12/14/2020 16:57
24.92.134.203	Mark Bellamy	mark.bellamy@puco.ohio.gov		12/14/2020 16:02	17		
						'Are you going to install fencing around the properties?' 'Is there any health concerns?' 'are you going to make a recording g of the meeting available online?' 'Are there any reflections that come off the panels that will effect my home nearby?by' 'How do we insure that maintenance is provided into the future regarding vegetation growth ? Today the towers are rarely cleaned up and maintained. '	
174.232.137.148	Kim L. Thomas	klthomas922@outlook.com		12/14/2020 16:03	119		12/14/2020 17:11
73.176.164.74	Michael Kaplan	mkaplan@invenenergy.com		12/14/2020 16:03	119		
174.232.7.206	Joann Schellhaas	joann.shelly@yahoo.com		12/14/2020 16:03	119		
174.128.181.150	Raleigh Barnes	raleighhubarnes@gmail.com		12/14/2020 16:03	119		
						'I will have panels directly next to me on several sides. What are you doing from a visual standpoint so I won't have to always look at these? ' 'I also have concerns about property values as I will be directly next to the panels' 'Is there any available studies or data that shows long term health impact? ' 'I heard that the Ohio Power Board is going to be taking a pause on approvals to do longer term studies. Will this plan be approved before that happens or will the studies happen prior to approval of this project?'	
174.101.84.249	Doug Dellinger	dougdelinger@gmail.com		12/14/2020 16:03	119		12/14/2020 17:05
75.118.212.224	Sharon Rastatter	sharon@rastatter.com		12/14/2020 16:03	119		
						'What are the average declines in property value for homes bordering the solar farm?' 'What are the property value "parameters" you referenced very briefly earlier? ' 'All benefits go to the city or larger entity while all harm is absorbed by the local residents correct?' 'Are there different environmental impacts surrounding the inverter vs the panels?'	
207.229.181.140	Joey Hemphill	jdeuce15@aol.com		12/14/2020 16:03	97		12/14/2020 17:10
74.132.83.74	Jill Kocher	Jill.Kocher@PUCO.Ohio.gov		12/14/2020 16:03	119		

172.12.207.131	Jody Dzurainin	jodydzurainin@gmail.com		12/14/2020 16:03	57	'Thank you for holding this meeting. I am a volunteer with the trail at Battelle Darby Creek Metro Park. ' 'I'm happy to hear they are using the metro parks vegetation plan' 'Will this meeting be available as a recording?'	12/14/2020 16:58
107.77.194.113	Jeff Schilling	Farmer.jeff@yahoo.com		12/14/2020 16:03	89	'How will the project affect property values near the solar farm.' 'What will the fencing around the projects look like? '	12/14/2020 17:12
24.160.202.243	David & Cindy She	sheetscindy2@gmail.com		12/14/2020 16:04	67	'If this is so good for envirnoment why won't the Park system allow you to run through that land?'	12/14/2020 17:26
76.252.156.73	Vic Phillippi	vicphilli1@yahoo.com		12/14/2020 16:04	118		
107.11.25.99	Bill Byers	bill@byersminton.com		12/14/2020 16:04	118		
24.33.229.130	Debi Hampton	debi@creativeoverdrive.com		12/14/2020 16:04	6		
174.101.94.247	E Buckner III	dukestirs@yahoo.com		12/14/2020 16:04	118	'Other name I go by ? '	12/14/2020 17:06
174.101.95.159				12/14/2020 16:04	12		
65.60.255.184	Robert Wenger	drbob61574@gmail.com	43026	12/14/2020 16:05	100	'what is your intended disposition of the airport existing on the property'	12/14/2020 17:15
76.252.159.96	Naomi O'Harra	Gallowayquilter@yahoo.com		12/14/2020 16:05	102	'I can't figure out how close it will be to my home on Johnsoní Rd '	12/14/2020 17:44
174.101.78.82	John harrison	Buckeye247365@yahoo.com		12/14/2020 16:05	117	'As a homeowner what impacts will we the homeowners adjacent to the solar farm be protected (aesthetics) so as to not negatively impact our property values.' 'What are the approximate ibuffer zonesí of the panels to the adjacent homes' 'The distance to homes in my previous quwstion' 'With the proposed îlandscapingî who would be responsible for upkeep maintenance to the facility including any deterioration of plant life ?' 'Will the transmission lines to the sub station be above ground or buried'	12/14/2020 17:00
40.94.28.211				12/14/2020 16:05	1		
172.56.11.182	Jessica	Mommy02975@aol.com		12/14/2020 16:05	2		
174.101.66.10	Traci	tlmcdade97@gmail.com		12/14/2020 16:05	87	'Will the power generated stay in our area?' 'Are any water resources necessary for these solar farms?' 'Is there reflection that we may experience as a homeowner who faces the solar panels?' 'What long term studies have been reviewed regarding the impact no matter how small on home values?' 'What noise will homeowners living next to these hear (eg. Humming)?'	12/14/2020 16:57
67.149.188.70				12/14/2020 16:06	15		
74.132.148.1	Sharon	S.dodson@gaiconsultants.com		12/14/2020 16:06	9		
174.232.135.55	Heather Doherty	Heather.doherty@gmail.com		12/14/2020 16:07	81		
75.118.131.217	Jay Agranoff	Jay.agranoff@puco.ohio.gov		12/14/2020 16:07	63		
24.192.122.195	thomas crawford	thomascr2d2@gmail.com		12/14/2020 16:08	114	'Do the panels track the Sun from North to South throughout the Year as well as from East to West during the day?' 'What accommodations must be made for the Harmonics associated in going from DC to AC power? ' 'what factors affect the average lifetime of the solar plant?' 'Can the Facility be operated in such a way as to extend the operating lifetime? '	12/14/2020 17:09
24.33.229.130	Debi Hampton	debi@creativeoverdrive.com		12/14/2020 16:08	114		
174.101.95.159				12/14/2020 16:08	114		
75.188.141.230	Don Eckhart	Eckhart819@yahoo.com		12/14/2020 16:08	114		
74.199.31.3				12/14/2020 16:09	1		

75.188.78.179	Greg Bennett	Greg@byersminton.com		12/14/2020 16:09	5		
						'Is there any type of sun glare that comes from the panels ' 'Where will the maintenance points be for workers specifically off of Johnson rd ' 'Will there be regular maintenance done between the panels' 'How many inverters will be required for this project?'	
75.22.108.50	Joseph thomas	Jathomas314@gmail.com		12/14/2020 16:10	112		12/14/2020 17:10
75.61.164.231				12/14/2020 16:11	1		
174.101.70.161	Nicole Schlosser	nschlos115@aol.com		12/14/2020 16:12	41		
						'How much land is being leased currently. How much will be leased once the project planning is complete? How much is being paid per acre per year?' 'will the panels be cleaned each year'	
24.208.195.103	kevin eigel	kevineigel@gmail.com		12/14/2020 16:12	110		12/14/2020 17:21
						"involvement in franklin co' slide states 100+ doors knocked on... what houses and when was this performed?' 'what is the country of origin for the PV panels?' 'will ALL transmission lines be underground' 'with respect to the door knocking answer all of my neighbors are directly adjacent to this project and have not been contacted. Are there any plans to speak with all residents affected prior to OPSB submission in Q1 2021?'	
4.16.215.2	Jessica Newbury	newbury.jessica@gmail.com		12/14/2020 16:12	110		12/14/2020 17:22
74.132.148.1	Sharon	s.dodson@gaiconsultants.com		12/14/2020 16:13	65		
75.188.139.210	Jackie davis	Jacklynn.davis@yahoo.com		12/14/2020 16:13	3		
75.188.139.210				12/14/2020 16:15	26		
71.64.22.173				12/14/2020 16:15	1		
65.60.133.85	Teresa A Benedetto	tbenedetto.13@gmail.com		12/14/2020 16:15	107		
						'if the plan is approved and completed if it is found that the facility is having an unintended negative impact to the big darby watershed what action will be taken?' 'will there be fencing around the facilities and if so what type will it be?' 'follow up to the distance question. so is it possible that panels be placed 100 ft (~30 yards) from someone's property line?' 'what about questions submitted and not answered?' 'please confirm... was that 300 ft from the property line or structures/houses?'	
65.60.133.85	Teresa benedetto	tbenedetto.13@gmail.com		12/14/2020 16:16	106		12/14/2020 16:58
						'Illinois Minnesota & Indiana property value study: https://www.oglecounty.org/document_center/planning%20&%20zoning/Solar%20Ad%20Hoc%20Committee/PV%20Impact%20Studies/CR%20-%20SunVest%20Solar%20-%20Solar%20Farm%20Impact%20Study%20(Report%20Date%205-30-2018).pdf '	
74.140.100.21	Jane Harf	director@greenenergyohio.org		12/14/2020 16:17	77		12/14/2020 17:23
						'How large will the trees be that are planted for screening? When could I expect them to mature enough to actually block the view of the panels?'	
174.232.141.221	Greg	gregestep@yahoo.com		12/14/2020 16:17	74		12/14/2020 17:06
174.101.66.10				12/14/2020 16:18	1		
75.22.108.50	Joseph Thomas	jathomas314@gmail.com		12/14/2020 16:19	103		

174.96.178.22	timradich	timradich@yahoo.com		12/14/2020 16:19	103	'How far from off the road will this be' 'The zoom server feed not working' 'the panels are 13feet tall and and the trees are only 6 ft tall evergreens don't grow well here' 'where is the closes project we can go look at.' 'it the hellbranch wet lands not going to be effective. I live next to them on Murnan rd' 'I live on murnan rd at project site please answer my questions please' 'Will there be tall Tower polls to move the power and to where ' 'I lived on murnan rd for 25 years its sad that the land owners that you dealing with don't live here and wont be impacted by this project' very sad' 'there thousand of acres at the reclam strip mines out east that not by any housing why don't you use it' 'The county is supposed to run new drain tile and drainage on the south end of murnan rd that project will still get completed before the panels go in right ?'	12/14/2020 17:01
71.72.117.219	Cathy Cowan Becker	becker.271@gmail.com		12/14/2020 16:19	103	'I live near the project site and just want to say I am very excited about having this project near my house. I am proud of my community for moving toward a 21st century clean energy economy. '	12/14/2020 17:12
73.88.237.34	Katie Bauer	bauerkatie116@gmail.com		12/14/2020 16:20	43		
65.27.152.92	Sherry Hubbard	shubba@roadrunner.com		12/14/2020 16:20	102	'How is runoff from rain managed?' 'Will the project seek any tax incentives that may reduce the estimated local tax receipts?'	12/14/2020 17:23
50.4.48.84	Laura Lanese			12/14/2020 16:27	73	'What are the factors the OPSB looks at in approving/disapproving?' 'Are the panels made by First Solar?'	12/14/2020 17:32
40.94.29.198				12/14/2020 16:28	1		
174.83.181.210				12/14/2020 16:34	2		
98.244.199.135,1	jennifer stueber	jenniferstueber@yahoo.com		12/14/2020 16:34	8		
174.233.158.6	Jane Doe	Kcole24@yahoo.com		12/14/2020 16:39	20		
172.2.189.239				12/14/2020 16:40	1		
75.188.0.91	Mark Smith	masmith570@gmail.com		12/14/2020 16:40	66		
72.74.181.143				12/14/2020 16:41	10		
24.31.187.123	Kathie Fleck	katherine.fleck@puco.ohio.gov		12/14/2020 16:47	44		
174.101.76.207	Rod Pritchard	RPritch1957@yahoo.com		12/14/2020 16:52	70	'What is the impact on property values of homes in the community that are now surrounded or next to the project?' 'How reflective are the panels and what will the impact be on the neighbors?' 'In the conceptual presentation the panels are right on the property lines of existing neighbors. What type of setback will be used?' 'Comparing Hardin co to Franklin is comparing apples to oranges. Rural vs urban.' 'How will you address the issue of wildlife movement between the park and other conservation areas with a fence in place?'	12/14/2020 17:02
129.2.181.13	Bob howison	Bhowison97@gmail.com		12/14/2020 16:57	65	'How many actual homes are right up against the solar farm ' 'The park system just restored 600 acre wet prairies systems. I think this will have a major impact. What is happening with that. ' 'How can you compare The Hardin project with this one. I was at your farm are Handin. I only recall seeing one home against the complex'	12/14/2020 17:21
108.225.125.10	Nicole M Marvin	nicole@nicolemarvin.com		12/14/2020 17:01	61		

174.101.79.91	Megan	meganchristine02@yahoo.com		12/14/2020 17:05	58	'Can you post the studies on your website that you keep referencing? I am interested to see if external studies have similar findings.'	12/14/2020 17:34
24.92.135.243				12/14/2020 17:10	21		
24.160.201.95	Hugh Garside	garside42@gmail.com		12/14/2020 17:20	42		
99.29.170.90				12/14/2020 17:51	1		
75.188.153.139				12/14/2020 17:53	1		
75.188.138.63	Bill Beachler	bill.beachler21@gmail.com		12/14/2020 17:54	8		
162.196.216.148				12/14/2020 18:16	0		
71.79.243.228				12/14/2020 18:25	0		
208.54.40.228				12/14/2020 19:16	0		
65.24.226.179				12/14/2020 20:19	0		
24.208.199.18				12/14/2020 20:41	0		
66.249.79.20				12/14/2020 22:33	0		

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Summary: Response to First Data Request from Staff of the Ohio Power Siting Board
electronically filed by Christine M.T. Pirik on behalf of Pleasant Prairie Solar Energy LLC