Appendix 6-E: Baseline Sound Study and Environmental Sound Evaluation

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Cricket Valley Energy Center

Baseline Sound Study
&
Environmental Sound Evaluation

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Prepared for:

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Introduction

Cricket Valley Energy Center, LLC (CVEC) is proposing to construct a new 1,000 megawatt (MW) electric power generation facility in Dover, New York (the Project). To document the existing environmental sound levels and to assist in defining appropriate acoustic design goals for the Project, Cavanaugh Tocci Associates, Inc. has evaluated the acoustic environment in the community surrounding the Project site. This evaluation includes a review of applicable noise regulations, the results of an extensive sound monitoring program, and the results of computer modeling of the acoustic impact of the proposed Project. The objectives of this baseline sound study evaluation were:

- To quantify and characterize the existing sound environment in the community surrounding the Project.
- To define Project acoustic design goals based the existing acoustic environment, and applicable noise regulations.
- To estimate the acoustic impact of the proposed Project in the surrounding community.

Results of the evaluation are summarized herein. Appendix A of this report is a glossary of acoustical terminology.

Environmental Noise Regulations

Noise is a feature of all environments and is considered objectionable only when it is inconsistent with its environment; by being either too loud or by being distinctive in character (i.e., tonally or temporally varying). The purpose of environmental noise regulations is to provide a logical and equitable relationship between facility noise and existing environmental sound. To this end, acoustic design goals for the CVEC will be established based on state guidelines and local noise regulations. The governmental guidelines and regulations applicable to sound produced by the Project are summarized below:

NYSDEC Noise Policy

The New York State Department of Environmental Conservation (NYSDEC) issued a Program Policy Memorandum entitled "Assessing and Mitigating Noise Impacts" (October 6, 2000, revised February 2, 2001) to provide guidance for departmental evaluation of noise impacts from proposed or existing facilities. The memorandum provides guidance in determining when facility sound constitutes a significant impact in the following statements:

- "The goal for any permitted operation should be to minimize increases in sound pressure level above ambient levels at the chosen point of sound reception.

Increases ranging from 0-3 dB[A][1] should have no appreciable effect on receptors. Increases from 3-6 dB[A] may have potential for adverse noise impact only in cases where the most sensitive receptors are present. Sound pressure [level] increases of more than 6 dB[A] may require a closer analysis of impact potential depending on existing SPL's[2] and the character of surrounding land use and receptors."

- "In non-industrial settings the SPL should probably not exceed ambient noise by more than 6 dB(A) at the receptor. An increase of 6 dB(A) may cause complaints. There may be occasions where an increase of 6 dB(A) might be acceptable."

- "The addition of any noise source, in a non-industrial setting should not raise the ambient noise level above a maximum of 65 dB(A). This would be considered the "upper end" limit since 65 dB(A) allows for undisturbed speech at a distance of three feet."

- "Ambient noise SPLs in industrial or commercial areas may exceed 65 dB(A) with a high end of approximately 79 dB(A) (EPA 550/9-79-100, November 1978)."

The guidance also indicates that the appropriate metric to evaluate existing and Project related ambient sound is the equivalent sound level (L_{eq}) as stated below:

- "Equivalent Sound level is considered to be directly related to the effects of sound on people since it expresses the equivalent magnitude of the sound as a function of frequency of occurrence and time."

- "The L_{eq} value provides an indication of the effects of sound on people. It is also useful in establishing the ambient sound levels at a potential source."

Town of Dover Noise Regulations

The Code of the Town of Dover defines limits with respect to environmental sound associated with the proposed Project in two separate areas:

- Chapter 107 – Noise

- Chapter 145 – Zoning - Section 145-40(C)

Relevant aspects of the Code are listed below:

Chapter 107 defines the following general standard as unlawful:

[1] The modifier "A" should be included here as it customary to evaluate environmental sound levels using the A-weighted scale dB(A).
[2] SPL's – Sound pressure levels

- "The creation of any unreasonably loud, disturbing and unnecessary noise is prohibited. Said noise shall be prohibited when it is of such character, intensity and duration or of any type or volume that a reasonable person would not tolerate under the circumstances and that is detrimental to the life, health or welfare of any individual or would cause or create a risk of public inconvenience, annoyance or alarm."

Chapter 107 prohibits construction noise between the hours of 9 p.m. and 7 a.m. except in case of an urgent necessity in the interest of public safety.

Chapter 145 defines the following property-line sound level limits:

- 60 dB(A) between the hours of 7:00 a.m. and 8:00 p.m.
- 50 dB(A) between the hours 8:00 p.m. and 7:00 a.m.

Chapter 145 provides exemptions from the aforementioned lot line sound limits:

- Noises emanating from construction and maintenance activities between 8:00 a.m. and sunset, Monday through Friday.
- The noises of safety signals, warning devices, emergency pressure-relief valves or other emergency warning signals.

Baseline Sound Study

An environmental sound survey was conducted to quantify and characterize the existing acoustic environment in the vicinity of the proposed Project. In order to document the time-varying characteristics of environmental sounds in the Project area, the sound monitoring program implemented both long-term continuous sound measurements, and short-term intermittent sound measurements. The results of the survey allow both quantitative and qualitative analyses of the acoustical environment surrounding the Project.

Sound Monitoring Locations

A review of the existing land use in the community was conducted to identify the closest and most representative receptor locations. In addition, the measurement locations were selected to obtain an adequate spatial representation of the ambient noise environment. Five measurement locations were selected. These locations and are identified in Figure 1, and are described below.

- Location 1: The Green Acres Conference Center (approximately 2,900 feet northwest of the center of the main power block of the proposed Project).

- Location 2: Consolidated Edison (Con Ed) right of way (ROW) near #3 Vincent Road (approximately 2,100 feet north of the center of the main power block of the proposed Project)

- Location 3: #7 Cricket Hill Road (approximately 1,200 feet northeast of the center of the main power block of the proposed Project).

- Location 4: East property line across the street from #2238 SR-22 (approximately 1,000 feet southeast of the center of the main power block of the proposed Project)

- Location 5: North Chippawalla Road (approximately 2,800 feet south of the center of the main power block of the proposed Project).

Continuous Monitoring

To identify typical patterns in environmental sound levels, and to quantify time-varying ambient sound levels in the community, continuous monitoring was performed at all five sound monitoring locations. The continuous monitors were installed for a seven-day period (168 hours) starting at 2:00 p.m. on September16, 2009.

For the continuous measurements, sound levels were monitored using Rion NL 31 environmental noise monitors outfitted with ½-inch electret microphones, and windscreens. The instruments were calibrated before and after the measurement period using a Larson Davis Instruments model CA-250 acoustical calibrator. The monitors, microphones, and signal processing conform to American National Standards Institute (ANSI) S1.4 for Type 1 precision sound measurement instrumentation, and all instruments used have current calibration certificates traceable to the National Institute of Standards and Technology (NIST). For this study, the monitors were programmed to record the following hourly A-weighted environmental noise descriptors:

- Maximum sound level (L_{max});

- Minimum sound level (L_{min});

- Percentile sound levels (L_{99}, L_{90}, L_{50}, L_{10}, and L_{01}); and

- Equivalent sound level (L_{eq}).

Figures 2-6 present graphs of the measured hourly L_{eq} sound levels at each of the five measurement locations. Since the hourly L_{eq} sound levels also vary from hour to hour, these figures also include the "nominally lowest" hourly L_{eq} sound level. The "nominally lowest" hourly L_{eq} sound level is calculated by averaging the lowest measured hourly

equivalent sound level ($L_{eq(1\text{-}hour)}$) that occurred in each of the seven 24-hour periods that were monitored. This value represents a conservative estimate of the typical lowest hourly L_{eq} sound levels that occur during the quietest periods. A complete listing all hourly measurement results at each monitoring location can be found in Appendix B.

Intermittent Monitoring

Intermittent sound measurements were performed for 10-minute intervals at all five selected measurement locations. The measurements were conducted during daytime hours (1:30 p.m. to 3:30 p.m.) on September 16, 2009, and early morning hours (12:00 midnight to 2:00 a.m.) on September 17, 2009. The measurements were conducted with a Bruel and Kjaer Instruments Type 2250 sound level analyzer outfitted with a ½-inch electret microphone and windscreen. The instrument was calibrated before and after each use with a Bruel and Kjaer Instruments Type 4231 acoustical calibrator. During all measurements, the meter was mounted on a tripod with the microphone situated approximately 5 feet above the ground. These instruments conform to ANSI S1.4 for Type 1 precision sound measurement instrumentation and have current calibration certificates traceable to the NIST.

The data collected during the attended 10-minute monitoring intervals is compiled in Appendix C. The data presentation format has three chief elements. The first is a listing of A-weighted descriptors on the upper left hand side of each figure. Note that the statistical descriptors (L_n) are presented in order of decreasing value. Logically, the L_{max} is the highest sound level reached during the 10-minute interval; the L_{01} is the next highest since it is exceeded only 1 percent of the time interval, and so forth. The L_{eq} is shown shaded, as this value is the key descriptor used in evaluating ambient sound levels.

The second element in these figures is a 1/3-octave band spectrum of the L_{eq} sound pressure level. This spectrum is used to identify the presence of distinct tonal characteristics and to quantify the frequency content associated with the background sounds.

The third element at the bottom of these figures is a graphic level record, or time-history, of the A-weighted sound level in 1-second increments recorded over the 10-minute interval. The “peaks” in the time-history identify transient events associated with passing cars, aircraft activity, etc.

Weather and Plant Operating Conditions

During the majority of the continuous monitoring the weather was suitable for measuring environmental sounds (i.e., no precipitation and light winds). Our review of hourly meteorological data obtained from a weather monitoring station at the Poughkeepsie Airport indicates that that rain occurred for a brief period at approximately 12:00 noon on September 17, 2009 and that elevated wind gusts occurred during the afternoon of

September 18, 2009. These short intervals of inclement weather have little or no impact on the statistical analysis of environmental sound for this study.

Survey Results

Table 1 below provides a summary of the results of the environmental sound survey. For the most part ambient sound in the community is dominated by traffic on SR-22 and local roads. Hourly equivalent sound levels typical follow a diurnal pattern with the lowest levels occurring in the early morning hours when traffic is at a minimum. Regular train activity on the rail line west of the Project area also contributes high-level transient sounds. Finally, noises produced by birds, insects, and wind blowing through foliage and over tall grasses are sources of background sound at all locations in the project area. These indigenous sounds depend on many factors including weather and time of year.

Table 1: Summary of Measured Environmental Sound Levels (dBA)

Measurement Location	Long Term 9/16 – 9/23 Nominally Lowest Hourly L_{eq}	Intermittent Measurements Daytime 13:30 – 15:30 9/16/09 $L_{eq\text{-}10min}$	Intermittent Measurements Nighttime 00:00 – 2:00 9/16/09 $L_{eq\text{-}10min}$
Location 1 – Green Acres Conf. Center	36	46	42
Location 2 – ROW near 3 Vincent Road	41	53	44
Location 3 – 7 Cricket Hill Road	40	55	49
Location 4 – 2238 SR-22	51	59	45
Location 5 – North Chippawalla Road	48	56	53

Facility Acoustic Design Goal

In accordance with the NYSDEC Program Policy Memorandum, facility noise will not be expected to produce a significant impact if it does not raise existing sound levels by more than 6 dBA. To this end the Project has conservatively chosen the "nominally lowest" measured hourly L_{eq} as the basis for impact assessment with respect to the NYCDEC program Policy Memorandum. In addition, to comply with the Town of Dover noise regulations, facility sound at property lines must not exceed the most stringent nighttime sound level limit of 50 dBA.

Construction Sound Assessment

Construction Sound Estimate Methodology

Construction of the Project will occur over approximately a 36-month period. The construction phases will include overlapping activities for initial site clearing/preparation, major foundations, steel and building erections, equipment delivery and sitting, piping and electrical installation, and commissioning and startup. The following is a high level sequence of these activities:

- Installation of construction stormwater and erosion control measures, demolition, clearing, potential minimal blasting, and rough grading, and construction office trailers, utilities, and parking (site clearing and excavation).
- Installation of major foundations and underground utilities including yard piping and electrical ductbanks (excavation and foundations).
- Erection of structural steel and buildings and the delivery and setting major equipment (erection).
- Installation of interconnection piping and wiring, balance of plant equipment, controls and instrumentation, and final grading (erection).
- Testing, commissioning, and startup of the systems, final road tops, landscaping, and complete facility (finishing).

Construction noise is highly variable because many construction machines operate intermittently, and the types of machines in use at a construction site change with the construction phase. Appendix D provides a list of common construction equipment, and typical maximum sound levels produced by this equipment.

The EPA has published data on noise produced by typical construction machinery[3]. The EPA document also includes a procedure for predicting energy-average (that is, L_{eq}) construction noise levels based upon typical construction practices in the United States. The model distinguishes between type of construction ("housing," "office building," "industrial," and "public works") and between construction phase ("site clearing", "excavation," "foundations," "erection" and "finishing"). The model is based upon:

- The number of each item of equipment typically present at a site in each given phase of construction,
- The operating duty cycles of this equipment, and

[3] *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*, EPA Document NTID300.1, December 1971

- The average noise levels from the equipment during operation.

The EPA procedure for estimating construction noise impacts provides typical equivalent levels (L_{eq}) at a distance of 50 feet from the noise source for two conditions: "all pertinent equipment present at site," and "minimum required equipment present at site." The EPA levels for the worst of these two conditions during construction of industrial facilities are listed below in Table 2 (row labeled, "EPA Model 50 feet"). Since specific information on types, quantities, and operating schedules of construction equipment is not available at this point in project development, information from this document has been used to estimate sound produced by construction for each construction phase at each of the five receptor locations. To estimate construction related sound levels at distant receptors, 50 foot sound levels have been reduced using standard divergence attenuation based on receptor distance to the approximate center of the Project site. This estimate is conservative since the only attenuating mechanism considered was divergence. Shielding effects form buildings and earth contours, and atmospheric absorption are not included in the calculations.

Construction Sound Estimates

Table 2 also presents estimates of L_{eq} sound levels at each of the five selected receptor locations. These estimates are those which would be experienced by people outdoors. Sound levels indoors would be reduced by 10-15 dBA (open windows) and 20-30 dBA (closed windows). Noise associated with Project construction will occasionally be noticeable at the nearest receptor properties, particularly during the "excavation" phase of construction which may include; rock splitting, blasting, and pile driving. Construction related sound at the more distant residential properties is expected to be consistent with typical daytime background sounds, and will have only minimal impacts. Because of the temporary nature of the construction noise, no adverse or long-term effects are anticipated.

Table 2: Equivalent Levels of Construction Noise Predicted by the EPA Model at 50 Feet and at the Nearest Receptors

Location	Construction Phase				
	Ground Clearing	Excavation	Foundations	Erection	Finishing
EPA Model 50 Feet	84	89	78	85	89
Location 1 Green Acres Conf. Center	49	54	43	50	54
Location 2 ROW near 3 Vincent Road	52	57	46	53	57
Location 3 7 Cricket Hill Road	56	61	50	57	61
Location 4 2238 SR-22	58	63	52	59	63
Location 5 North Chippawalla Road	49	54	43	50	54

Special Construction Events (Blasting and Steam Blows)

As indicated above, during the site preparation phase of construction, controlled use of explosives to fracture and excavate rock (blasting) may occur. Sound produced by this activity will be very intermittent and will be controlled by use of blast mats and minimizing charge size. Controlled blasting will only occur during daylight hours, when background sounds are significantly higher. Sounds produced by blasts are not expected to be disruptive at any of the nearby occupied properties.

Prior to initial steam turbine powering, steam blows are use to clear debris and surface scale form steam piping that could potentially damage steam turbine blades. The sound generated during this process can be significant if it is not properly controlled. Mitigation for this sound will include the use of temporary steam blow silencers which be selected to limit sound impacts to less than 70 dBA at the nearest residences. This process is brief in duration, typically lasting 2–3 minutes per blow. Approximately 30-50 blows are required to clean the lines, which occurs over a 2–3 week period. This type of event will be limited to weekday daytime hours only.

Construction Vehicular Traffic Noise

Noise produced by traffic associated with the construction of the Project will have a negligible impact in the surrounding community. This is because of the high volume of traffic that already exists on roads where construction related traffic is expected to occur.

Construction Sound Mitigation Measures

Construction noise is difficult to control because of the mobile nature of its sources, and the flexibility of schedule inherent in most construction work. However, construction is also temporary in nature. In order to mitigate the possible effect of noise caused during the temporary construction period, the following steps will be taken:

- Construction activity will be concentrated to a limited on-site area at significant distances from receptor properties.
- Construction producing significant noise levels will occur during daylight hours, where possible. Some limited activities, such as concrete pours, will be required to occur continuously until completion.
- The federal regulations limiting truck noise will be followed.
- The construction equipment manufacturers' sound muffling devices will be used, and will be kept in good repair throughout the construction process.

Facility Operational Sound Assessment

Acoustic Modeling Methodology

Project-related sound impacts will be associated with sound emissions from many individual Project-related sound sources. To evaluate the acoustic impact of the proposed Project, environmental sound modeling was conducted for each individual sound source at the proposed Project. These impacts were then analyzed with the baseline sound study results to produce an estimate of environmental sound levels produced by the Project. The acoustic modeling requires information on equipment sound emission characteristics, the location of the source relative to the receiver, and information on how sound may propagate from the source to the receiver. Estimates of operational sound levels produced by the Project were calculated using CadnaA environmental sound modeling software (Version 3.7.123 DataKustic GmbH). The CadnaA sound modeling software uses algorithms and procedures described in International Standard ISO 9613-2:1996 "Acoustics- Attenuation of sound during propagation outdoors – Part 2: General method of calculation." The methodology described in this standard provides estimates of A-weighted sound levels for meteorological conditions that are favorable for the propagation of sound (downwind with a wind speed of 1-5 meters/second). This methodology is also valid for sound propagation under well-developed moderate ground-based temperature inversions, which commonly occur on clear calm nights.

Receptor sound levels for all significant Project related sound sources were calculated using the following data and corrections:

- Source sound power level (in octave bands);

- Source directivity;
- Distance between source and receptor (geometric divergence);
- Atmospheric absorption (10°C and 70% relative humidity);
- Reflections from building and barrier structures;
- Screening by obstacles (from earth contours and or man-made structures); and
- Propagation over the ground (ground effect).

Facility Sound Sources

Figure 6 is a site plan of the facility, and Figure 7 is general arrangement drawing indicating the approximate location of facility components. Principal sources of environmental sound produced by the power plant are listed below:

- Air-cooled condensers (3 units - 16 cells/unit)
- Fin-fan coolers (3 units - 15 cells/unit)
- Combustion turbine exhausts through heat recovery steam generator (HRSG) stacks (3 stacks)
- Combustion turbine air inlets (3 air inlets)
- Turbine compartment ventilation fans (3 roof penetrations)
- Exhaust compartment ventilation fans (3 roof penetrations
- Transformers (3 combustion turbine generators, 3 steam turbine generators, 3 auxiliary)
- Power generation building structures which includes:

    Combustion turbine/generator primary enclosure (3 units)

    Steam turbine and generator (3 units)

    Heat recovery steam generator (3 HRSGs)

    Boiler feed pumps

    Building ventilation

Appendix E contains complete listing of source power levels and sound controls.

Facility Sound Mitigation Measures

The need for specific sound control features will be determined during the detailed design phase of the Project. However, for the sound level modeling, the following noise abatement options were incorporated into the Project's conceptual design:

- Low-noise air-cooled condensers with a maximum sound level of 51 dBA at distance of 400 feet from the edge of a single tower (16 cells).

- Low-noise fin-fan coolers with a maximum sound level of 45 dBA at a distance of 400 feet from the edge of a single unit (15 cells)

- Depending on the sound attenuating characteristics of the HRSG system, a duct silencer may be required in the exhaust outlet duct or stack. A maximum sound level of 42 dBA at a distance of 400 feet perpendicular to a single stack has been assumed.

- The combustion turbine air intake will require duct silencers. A maximum sound level of 40 dBA at a distance of 400 feet perpendicular to a single inlet has been assumed.

- Reduced noise transformers with National Electrical Manufacturers Association (NEMA) sound rating of 70 or less.

- The combustion turbines, steam turbines, and generators will be enclosed with vendor-supplied equipment to reduce equipment noise within the power generation building. Duct silencers will be required to mitigate sound produced by turbine compartment and exhaust compartment ventilation fans.

- The combustion turbines, HRSGs, steam turbines, generators, boiler-feed pumps, and other auxiliary equipment will be housed within various building structures. Sound transmitted through the walls and roofs of these buildings is based on average interior sound levels of 85 dBA. The walls and roofs of the buildings will be constructed of 2-inch thick insulated metal panels with 22-gauge sheet metal on the interior and exterior sides. To account for penetrations of the panels for ventilation, we have assumed that 10% of all building surfaces are acoustic louvers and de-rated the acoustic performance of the building façades to approximately an STC-25 rating. In addition, all building ventilation equipment (louvers, and exhaust fans), and entryways will be carefully oriented, and/or acoustically treated to meet Project acoustic design goals.

Facility Operational Sound Estimates

Figure 8 presents an aerial photograph of the Project area and includes isopleths of estimated A-weighted sound levels (dBA) produced by the Project. Table 3 below

provides a summary of the results of computer modeling of Project-related sound at various sensitive receptors surrounding the site. Figures 9 through 13 are plots of octave band estimates of Project-related sound at selected receptors. These data indicate that facility sound is devoid of prominent discrete tones, and will be consistent with existing background sounds in the community.

Table 3: Estimates of Project Related Sound Levels (dBA) at Selected Receptors

Location	Existing Background	Estimate of Facility Operating Sound Level	Background plus Facility	Increase above Existing Background)
Receptor 1 – Green Acres Conf Ctr.	36	37	40	4
Receptor 2 – 3 Vincent Road	41	33	42	1
Receptor 3 – 7 Cricket Hill Road	40	45	46	6
Receptor 4 – 2238 SR-22	51	45	52	1
Receptor 5 – North Chippawalla Rd	48	32	48	0

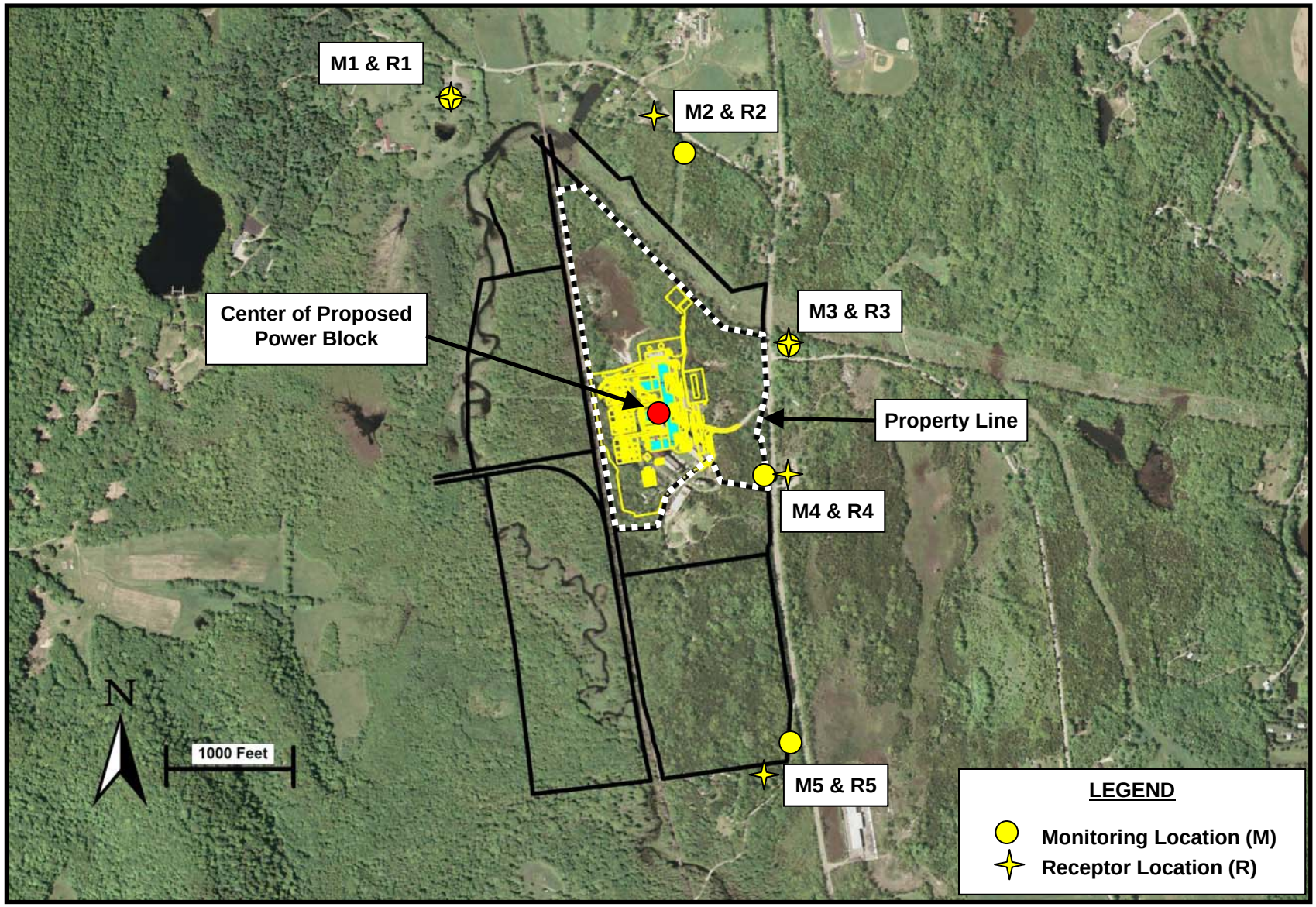
Since the Town of Dover zoning ordinance defines sound limits at Project property lines, maximum Project-related sound levels at each of the nearest property lines have also been estimated and are listed below:

- North property line: 48 dBA
- East property line: 48 dBA
- South property line: 58 dBA
- West property line: 59dBA

Conclusion

Table 3 indicates that sound produced by operation of the proposed Project is expected to cause increases of 6 dBA or less above the nominally lowest hourly L_{eq} at all acoustically sensitive receptors surrounding the Project. Thus with respect to NYSDEC guidelines, the proposed Project is not expected to produce a significant acoustic impact at these nearest receptors. In addition, the Project is expected to comply with the most restrictive nighttime sound level limit (50 dBA) of the Town of Dover zoning noise regulations at the north and east property lines. In reference to the south and west property lines, the sound levels will comply with the daytime sound level limit (60 dBA) of the Town of Dover zoning noise regulations, but exceed the more restrictive nighttime limit. The adjacent owner to the west property line is the New York Metro-North Rail and operates a commuter train service between the hours of 5:30 a.m. to midnight. The adjacent owner to the south property line currently leases the land for industrial uses. Based upon the uses within the adjacent south and west properties, the estimated Project sound levels

are consistent with the character of the adjacent property uses and it is recommended that the Project obtain appropriate variances from the Town of Dover.



Aerial Photograph of Project Site Indicating Sound Monitoring and Receptor Locations

Figure 1

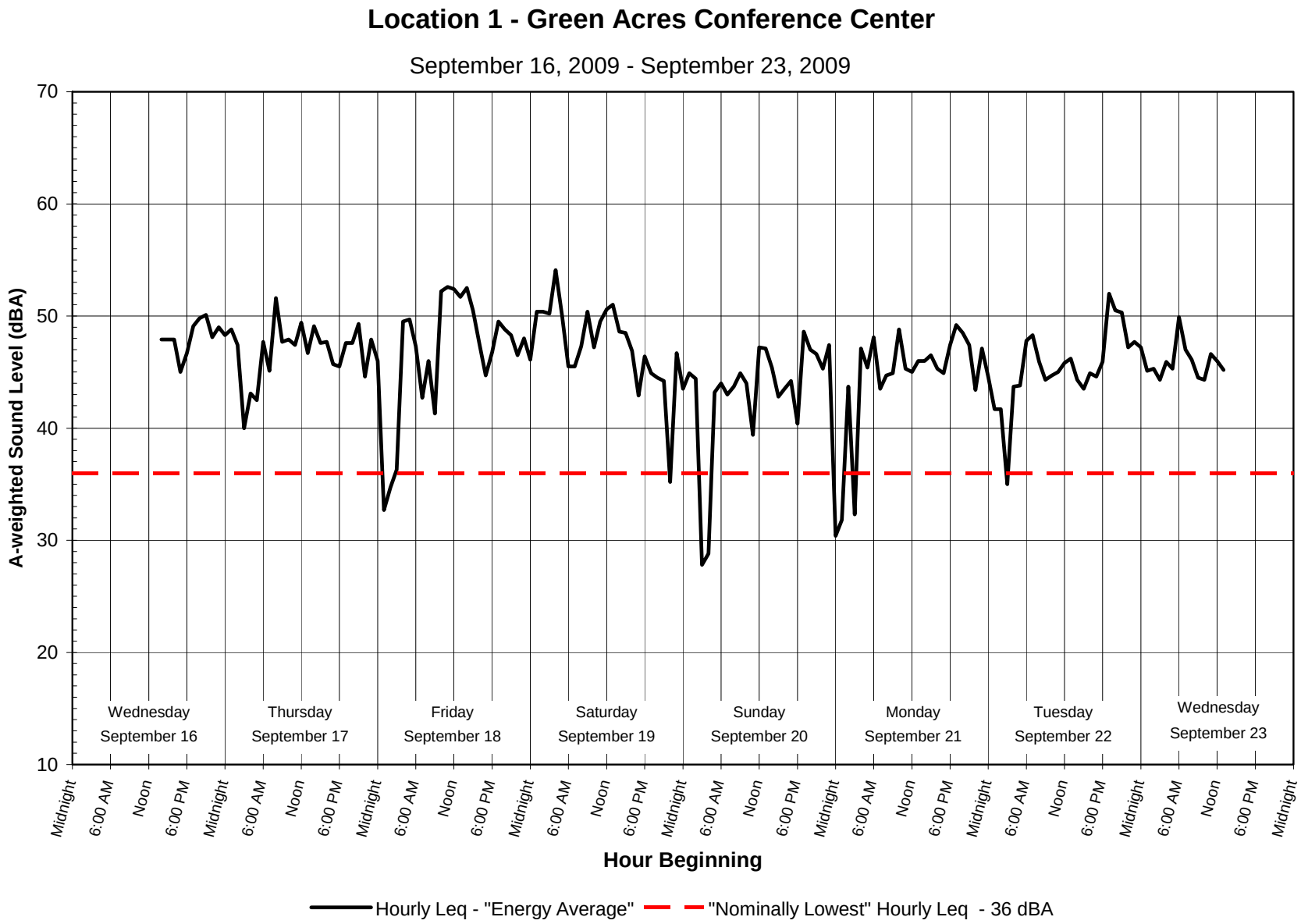

Location 1 - Green Acres Conference Center
September 16, 2009 - September 23, 2009
A-weighted Sound Level (dBA)
70
60
50
40
30
20
10
Wednesday September 16
Thursday September 17
Friday September 18
Saturday September 19
Sunday September 20
Monday September 21
Tuesday September 22
Wednesday September 23
Midnight
6:00 AM
Noon
6:00 PM
Hour Beginning
Hourly Leq - "Energy Average"
"Nominally Lowest" Hourly Leq - 36 dBA

Figure 2

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

September 16, 2009 - September 23, 2009

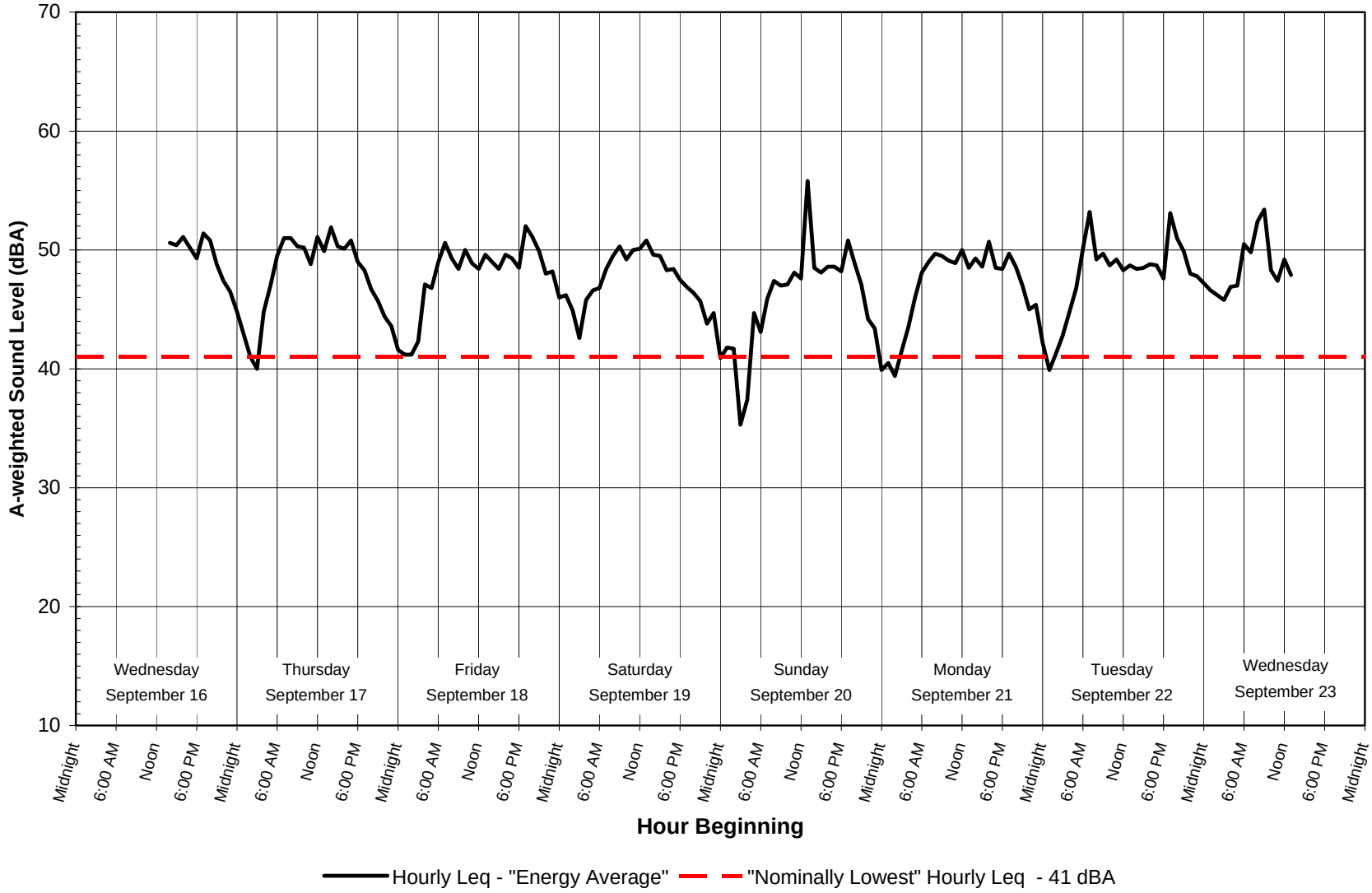


Figure 3

Location 3 - 7 Cricket Hill Road

September 16, 2009 - September 23, 2009

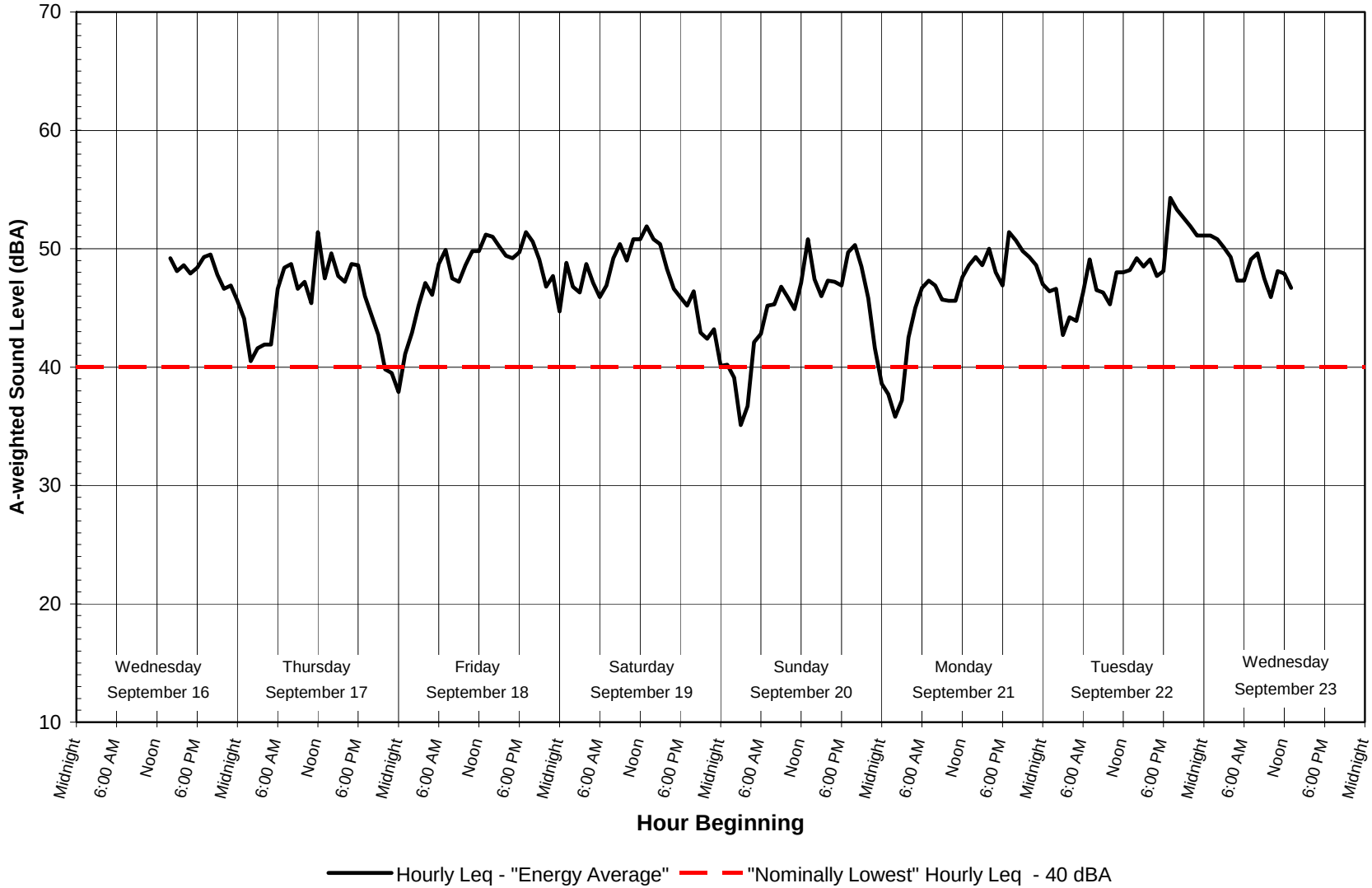


Figure 4

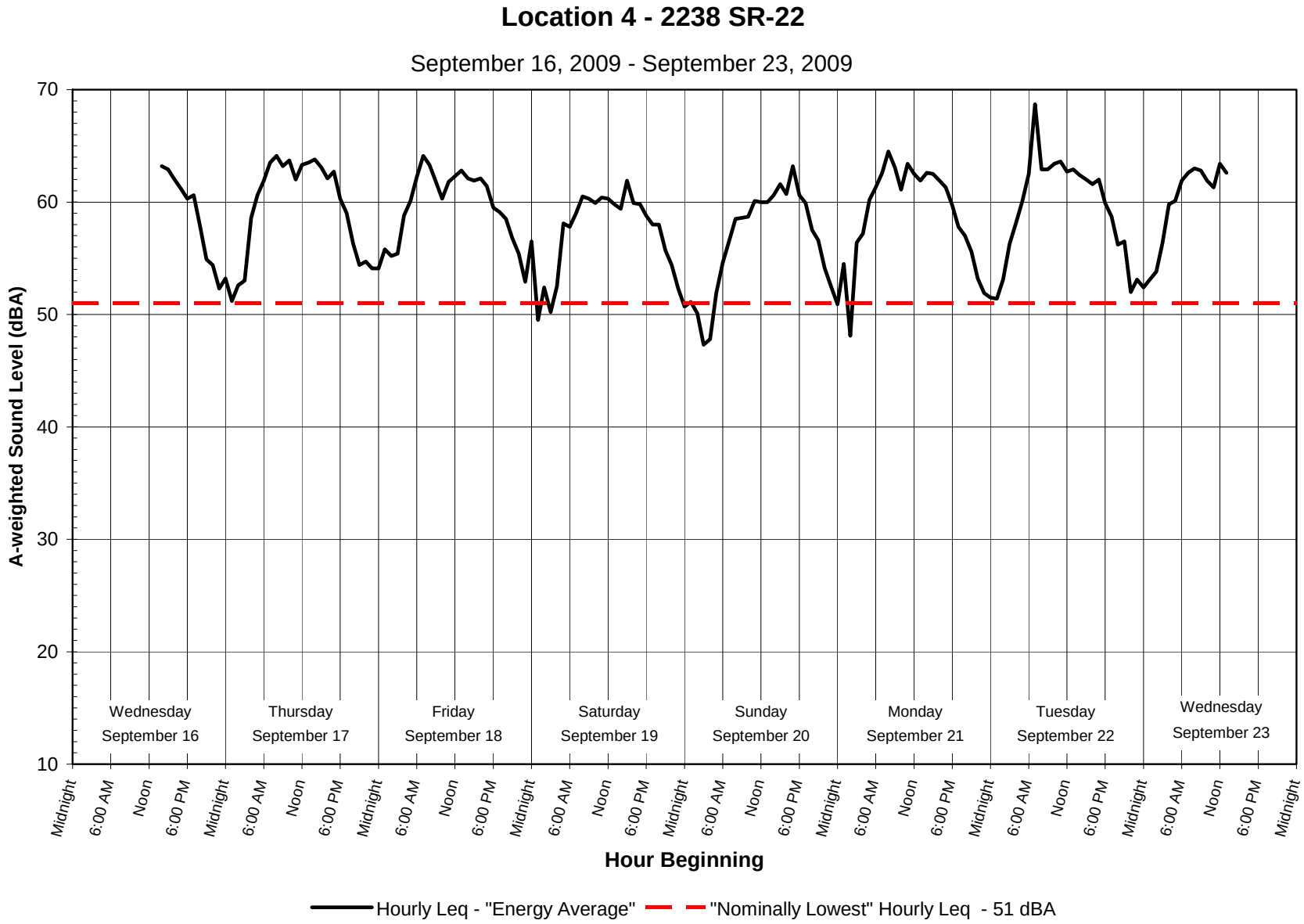

Location 4 - 2238 SR-22
September 16, 2009 - September 23, 2009
A-weighted Sound Level (dBA)
70
60
50
40
30
20
10
Wednesday September 16
Thursday September 17
Friday September 18
Saturday September 19
Sunday September 20
Monday September 21
Tuesday September 22
Wednesday September 23
Midnight
6:00 AM
Noon
6:00 PM
Hour Beginning
Hourly Leq - "Energy Average"
"Nominally Lowest" Hourly Leq - 51 dBA

Figure 5

Location 5 - North Chippawalla Road

September 16, 2009 - September 23, 2009

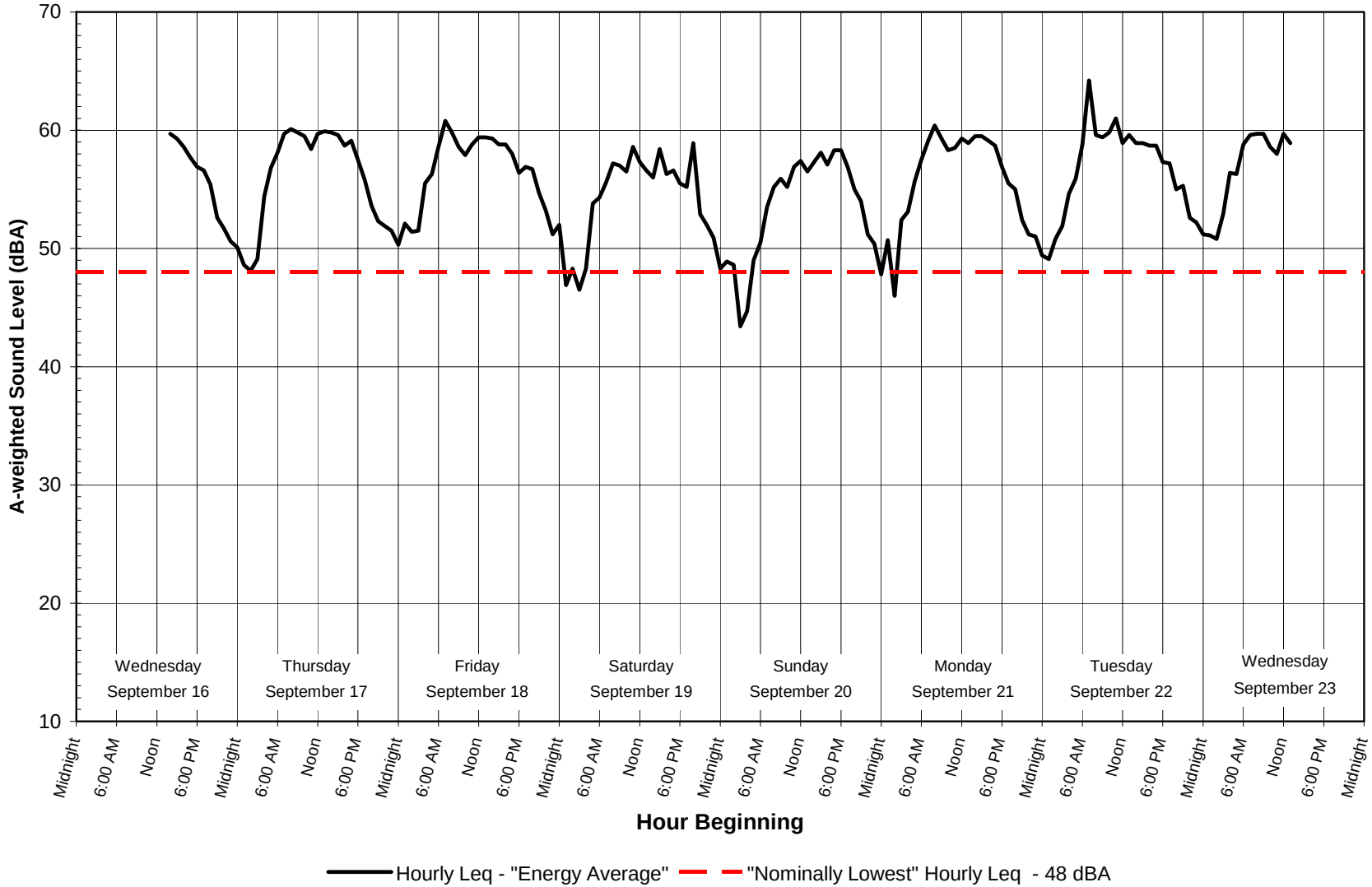


Figure 6

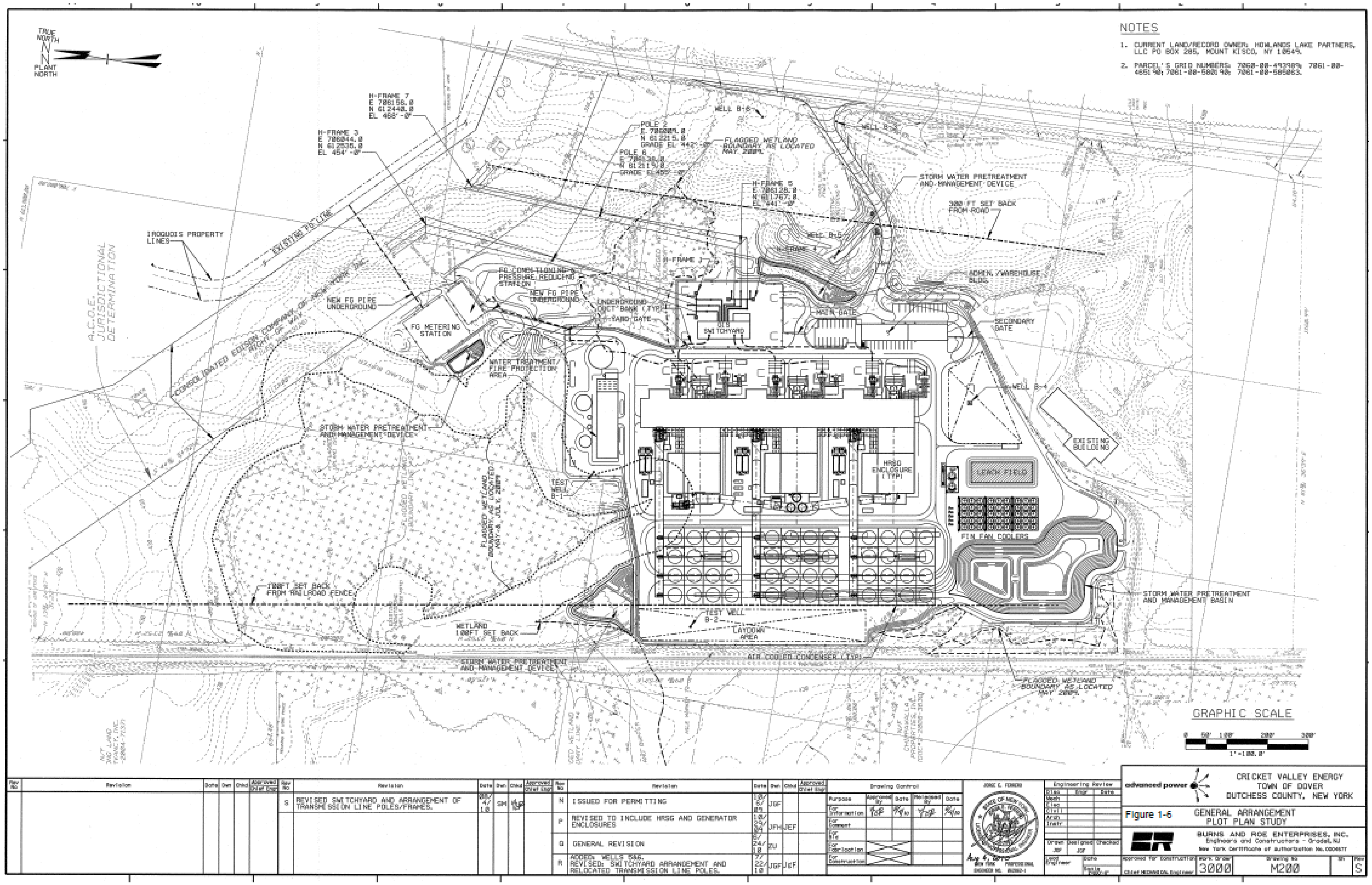

NOTES
1. CURRENT LAND/RECORD OWNER: HOWLANDS LAKE PARTNERS, LLC PO BOX 285, MOUNT KISCO, NY 10549.
TRUE NORTH
PLANT NORTH
A.C.O.E. JURISDICTIONAL DETERMINATION
IROQUOIS PROPERTY LINES
EXISTING FG LINE
CONSOLIDATED EDISON COMPANY OF NEW YORK INC. RIGHT-OF-WAY
NEW FG PIPE UNDERGROUND
FG METERING STATION
FG CONDITIONING & PRESSURE REDUCING STATION
UNDERGROUND DUCT BANK (TYP)
SWITCHYARD
MAIN GATE
SECONDARY GATE
ADMIN./WAREHOUSE BLDG.
STORM WATER PRETREATMENT AND MANAGEMENT DEVICE
300 FT SET BACK FROM ROAD
WATER TREATMENT/ FIRE PROTECTION AREA
HRSG ENCLOSURE (TYP)
LEACH FIELD
FIN FAN COOLERS
EXISTING BUILDING
STORM WATER PRETREATMENT AND MANAGEMENT BASIN
100FT SET BACK FROM RAILROAD FENCE
WETLAND 100FT SET BACK
LAYDOWN AREA
AIR COOLED CONDENSER (TYP)
FLAGGED WETLAND BOUNDARY AS LOCATED MAY 2009
GRAPHIC SCALE
CRICKET VALLEY ENERGY
TOWN OF DOVER
DUTCHESS COUNTY, NEW YORK
Figure 1-6
GENERAL ARRANGEMENT
PLOT PLAN STUDY
BURNS AND ROE ENTERPRISES, INC.
ISSUED FOR PERMITTING
REVISED TO INCLUDE HRSG AND GENERATOR ENCLOSURES
GENERAL REVISION
REVISED SWITCHYARD AND ARRANGEMENT OF TRANSMISSION LINE POLES/FRAMES.
3000
M200

Figure 7

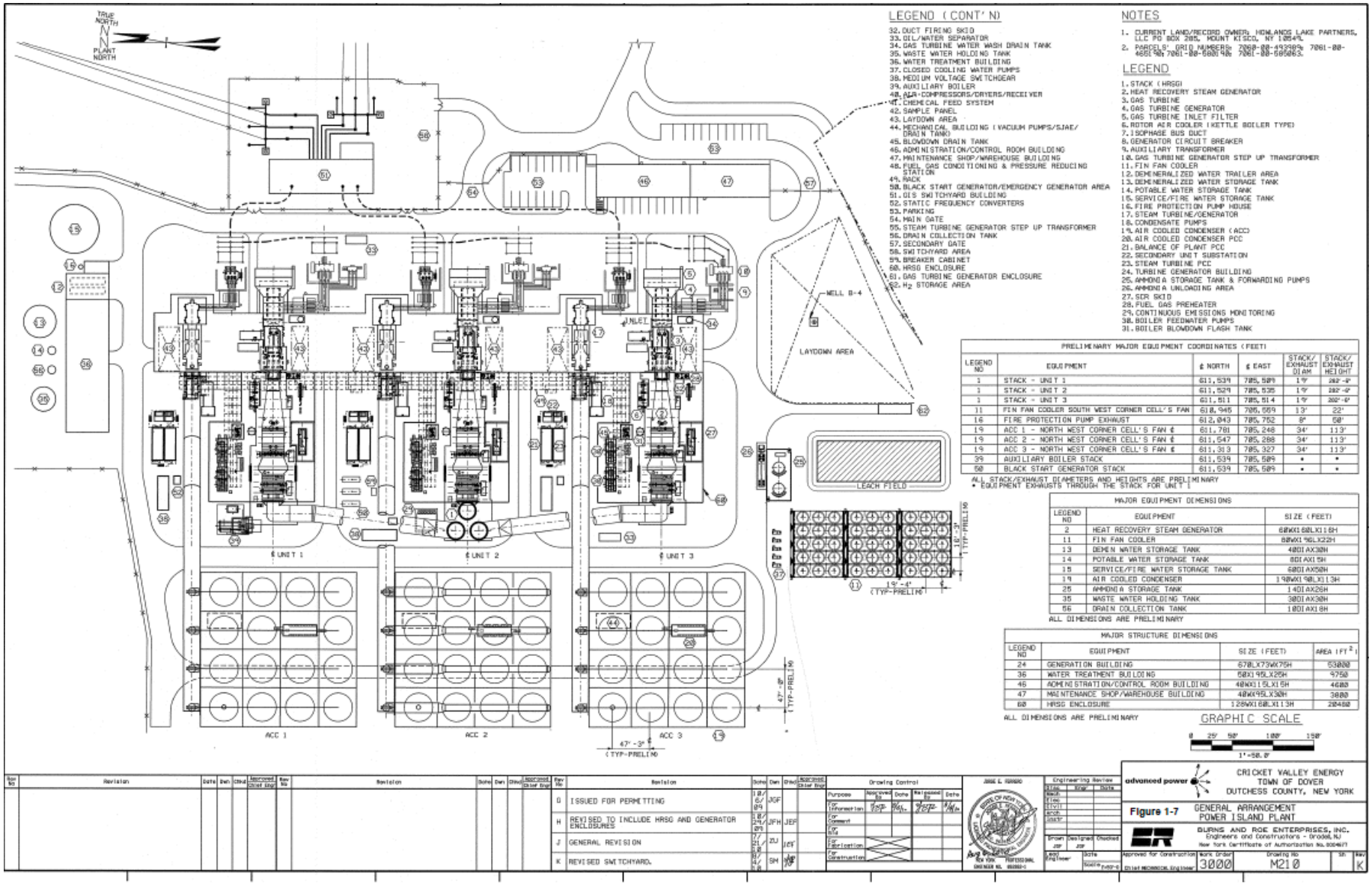
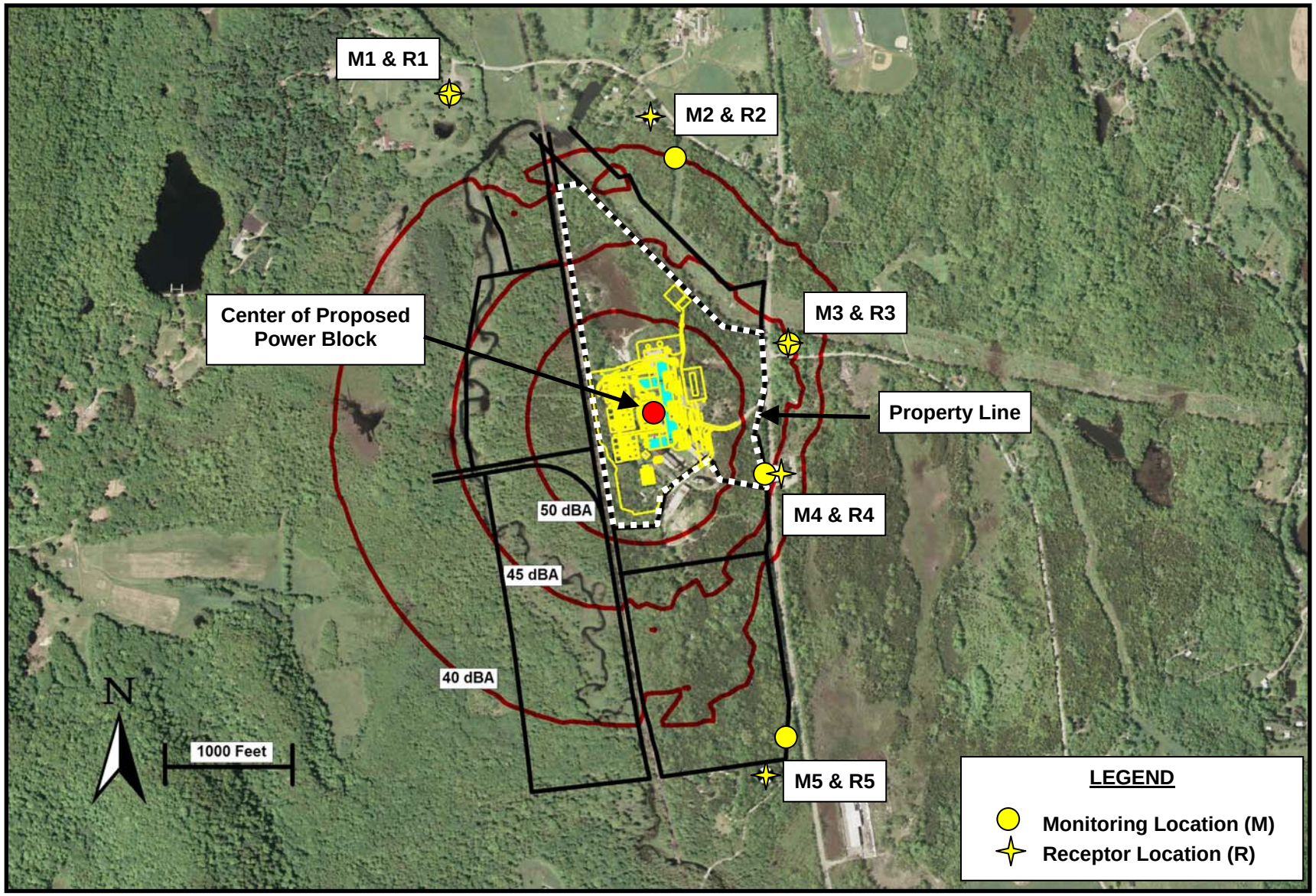

TRUE NORTH
PLANT NORTH
LEGEND (CONT'ND)
32. DUCT FIRING SKID
33. OIL/WATER SEPARATOR
34. GAS TURBINE WATER WASH DRAIN TANK
35. WASTE WATER HOLDING TANK
36. WATER TREATMENT BUILDING
37. CLOSED COOLING WATER PUMPS
38. MEDIUM VOLTAGE SWITCHGEAR
39. AUXILIARY BOILER
40. AIR-COMPRESSORS/DRYERS/RECEIVER
41. CHEMICAL FEED SYSTEM
42. SAMPLE PANEL
43. LAYDOWN AREA
44. MECHANICAL BUILDING (VACUUM PUMPS/SJAE/ DRAIN TANK)
45. BLOWDOWN DRAIN TANK
46. ADMINISTRATION/CONTROL ROOM BUILDING
47. MAINTENANCE SHOP/WAREHOUSE BUILDING
48. FUEL GAS CONDITIONING & PRESSURE REDUCING STATION
49. RACK
50. BLACK START GENERATOR/EMERGENCY GENERATOR AREA
51. GIS SWITCHYARD BUILDING
52. STATIC FREQUENCY CONVERTERS
53. PARKING
54. MAIN GATE
55. STEAM TURBINE GENERATOR STEP UP TRANSFORMER
56. DRAIN COLLECTION TANK
57. SECONDARY GATE
58. SWITCHYARD AREA
59. BREAKER CABINET
60. HRSG ENCLOSURE
61. GAS TURBINE GENERATOR ENCLOSURE
62. H2 STORAGE AREA
NOTES
1. CURRENT LAND/RECORD OWNER: HOWLANDS LAKE PARTNERS, LLC PO BOX 205, MOUNT KISCO, NY 10549
2. PARCELS' GRID NUMBERS: 7060-00-493305; 7061-00-465696; 7061-00-668946; 7061-00-595685.
LEGEND
1. STACK (HRSG)
2. HEAT RECOVERY STEAM GENERATOR
3. GAS TURBINE
4. GAS TURBINE GENERATOR
5. GAS TURBINE INLET FILTER
6. ROTOR AIR COOLER (KETTLE BOILER TYPE)
7. ISOPHASE BUS DUCT
8. GENERATOR CIRCUIT BREAKER
9. AUXILIARY TRANSFORMER
10. GAS TURBINE GENERATOR STEP UP TRANSFORMER
11. FIN FAN COOLER
12. DEMINERALIZED WATER TRAILER AREA
13. DEMINERALIZED WATER STORAGE TANK
14. POTABLE WATER STORAGE TANK
15. SERVICE/FIRE WATER STORAGE TANK
16. FIRE PROTECTION PUMP HOUSE
17. STEAM TURBINE/GENERATOR
18. CONDENSATE PUMPS
19. AIR COOLED CONDENSER (ACC)
20. AIR COOLED CONDENSER PCC
21. BALANCE OF PLANT PCC
22. SECONDARY UNIT SUBSTATION
23. STEAM TURBINE PCC
24. TURBINE GENERATOR BUILDING
25. AMMONIA STORAGE TANK & FORWARDING PUMPS
26. AMMONIA UNLOADING AREA
27. SER SKID
28. FUEL GAS PREHEATER
29. CONTINUOUS EMISSIONS MONITORING
30. BOILER FEEDWATER PUMPS
31. BOILER BLOWDOWN FLASH TANK
WELL B-4
LAYDOWN AREA
INLET
LEACH FIELD
℄ UNIT 1
℄ UNIT 2
℄ UNIT 3
ACC 1
ACC 2
ACC 3
19'-4" (TYP-PRELIM)
18'-3" (TYP-PRELIM)
47'-8" (TYP-PRELIM)
47'-3" (TYP-PRELIM)
PRELIMINARY MAJOR EQUIPMENT COORDINATES (FEET)
LEGEND NO | EQUIPMENT | ℄ NORTH | ℄ EAST | STACK/EXHAUST DIAM | STACK/EXHAUST HEIGHT
1 | STACK - UNIT 1 | 611,539 | 705,589 | 19' | 202'-0"
1 | STACK - UNIT 2 | 611,529 | 705,535 | 19' | 202'-0"
1 | STACK - UNIT 3 | 611,511 | 705,514 | 19' | 202'-0"
11 | FIN FAN COOLER SOUTH WEST CORNER CELL'S FAN | 618,945 | 705,659 | 13' | 22'
16 | FIRE PROTECTION PUMP EXHAUST | 612,043 | 705,752 | 8" | 50'
19 | ACC 1 - NORTH WEST CORNER CELL'S FAN ℄ | 611,781 | 705,248 | 34' | 113'
19 | ACC 2 - NORTH WEST CORNER CELL'S FAN ℄ | 611,547 | 705,288 | 34' | 113'
19 | ACC 3 - NORTH WEST CORNER CELL'S FAN ℄ | 611,313 | 705,327 | 34' | 113'
39 | AUXILIARY BOILER STACK | 611,539 | 705,589 | * | *
50 | BLACK START GENERATOR STACK | 611,539 | 705,589 | * | *
ALL STACK/EXHAUST DIAMETERS AND HEIGHTS ARE PRELIMINARY
* EQUIPMENT EXHAUSTS THROUGH THE STACK FOR UNIT 1
MAJOR EQUIPMENT DIMENSIONS
LEGEND NO | EQUIPMENT | SIZE (FEET)
2 | HEAT RECOVERY STEAM GENERATOR | 68'WX168'LX116'H
11 | FIN FAN COOLER | 68'WX98'LX22'H
13 | DEMIN WATER STORAGE TANK | 40'DIAX30'H
14 | POTABLE WATER STORAGE TANK | 80'DIAX15'H
15 | SERVICE/FIRE WATER STORAGE TANK | 60'DIAX50'H
19 | AIR COOLED CONDENSER | 198'WX98'LX113'H
25 | AMMONIA STORAGE TANK | 14'DIAX26'H
35 | WASTE WATER HOLDING TANK | 30'DIAX30'H
56 | DRAIN COLLECTION TANK | 10'DIAX18'H
ALL DIMENSIONS ARE PRELIMINARY
MAJOR STRUCTURE DIMENSIONS
LEGEND NO | EQUIPMENT | SIZE (FEET) | AREA (FT²)
24 | GENERATION BUILDING | 670'LX73'WX75'H | 53000
36 | WATER TREATMENT BUILDING | 50'X195'X25'H | 9750
46 | ADMINISTRATION/CONTROL ROOM BUILDING | 40'WX115'LX15'H | 4600
47 | MAINTENANCE SHOP/WAREHOUSE BUILDING | 40'X95'X30'H | 3800
60 | HRSG ENCLOSURE | 128'WX168'LX113'H | 230400
ALL DIMENSIONS ARE PRELIMINARY
GRAPHIC SCALE
0 25' 50' 100' 150'
1"=50.0'
Revision | Date | Dwn | Chkd | Approved Chief Engr
0 ISSUED FOR PERMITTING | 10/6/09 | JGF
H REVISED TO INCLUDE HRSG AND GENERATOR ENCLOSURES | 12/21/09 | JFH | JEP
J GENERAL REVISION | 1/21/10 | ZU | JCT
K REVISED SWITCHYARD. | 3/5/10 | SM
Drawing Control
Purpose | Approved By | Done | Released By | Date
For Information
For Comment
For Bid
For Fabrication
For Construction
Engineering Review
Item | Name | Date
Mech
Elec
Civil
Arch
Struct
Drawn JGF | Designed JGF | Checked
Proj Engineer | Date | Scale 1"=50'-0"
Approved for Construction | Chief MECHANICAL Engineer | Work Order 3000 | Drawing No M210 | Sh | Rev K
advanced power
CRICKET VALLEY ENERGY
TOWN OF DOVER
DUTCHESS COUNTY, NEW YORK
Figure 1-7
GENERAL ARRANGEMENT
POWER ISLAND PLANT
BURNS AND ROE ENTERPRISES, INC.
Engineers and Constructors - Bridal, NJ
New York Certificate of Authorization No. 000617

Figure 8



Aerial Photograph of Project Area with Isopleths of Project Related Sound (dBA @ 2 meters above ground)

Figure 9

Estimate of Facility Sound at R-1 - Green Acres Conf. Center

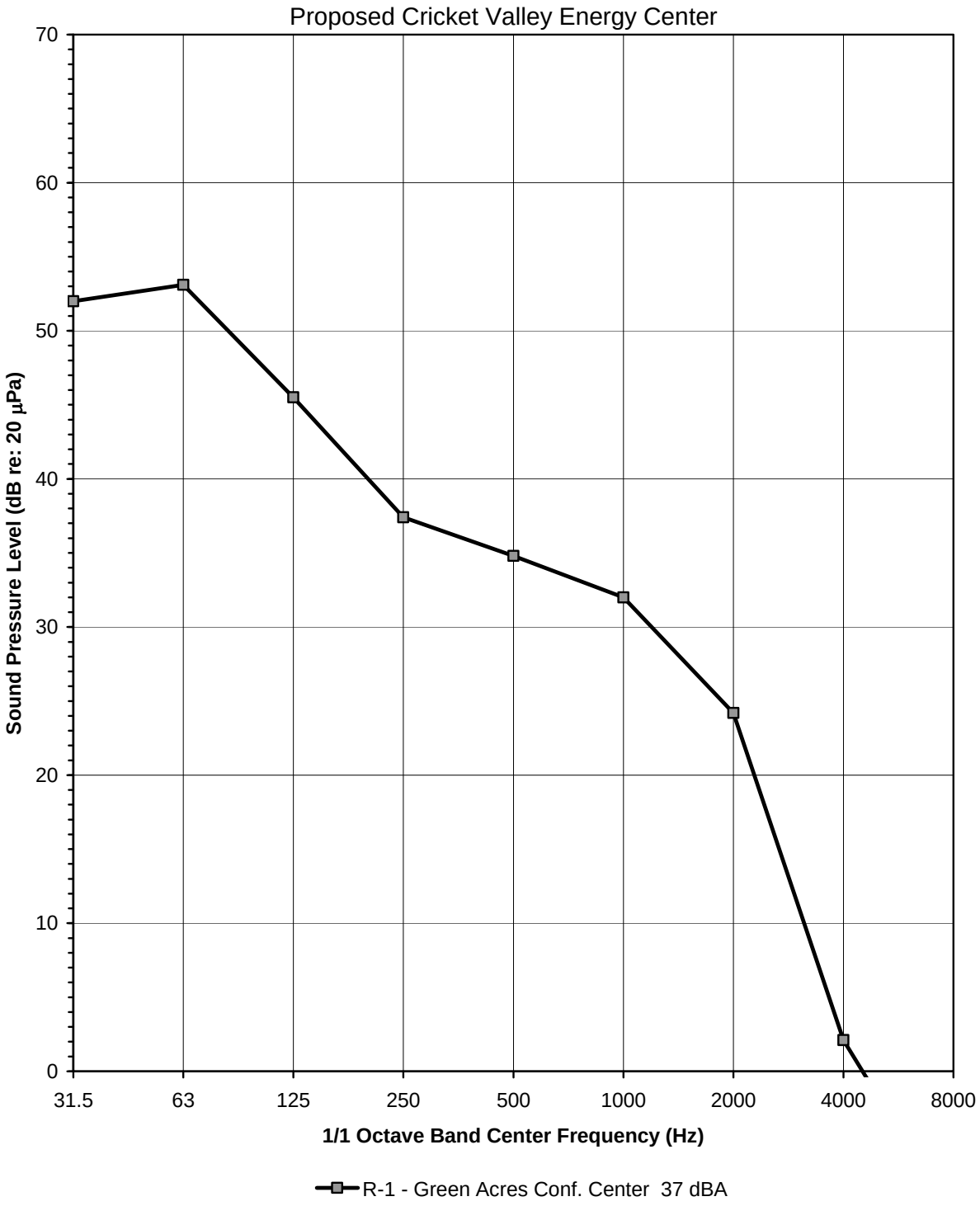


Figure 10

Estimate of Facility Sound at R-2 - 3 Vincent Road

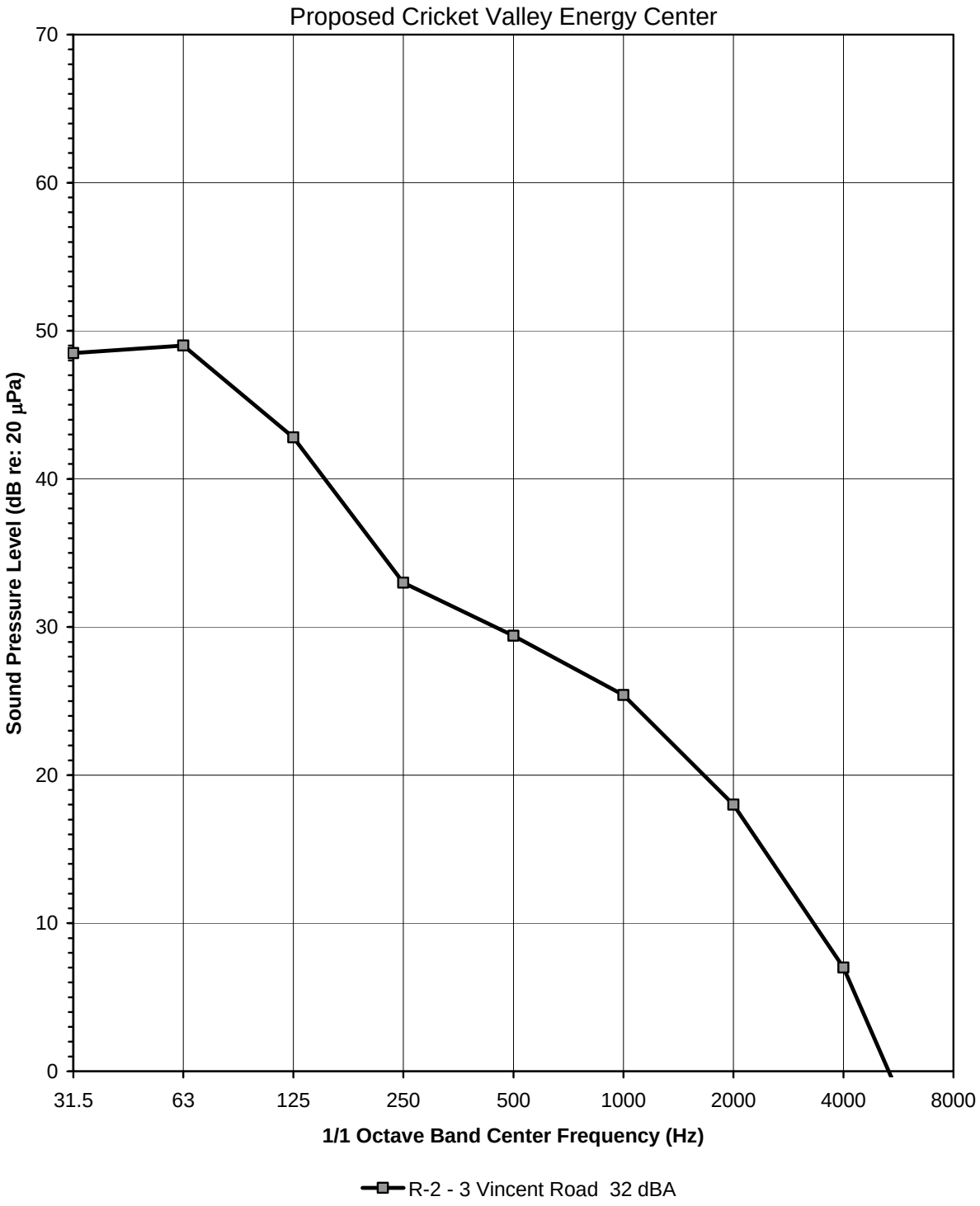


Figure 11

Estimate of Facility Sound at R-3 - 7 Cricket Hill Road

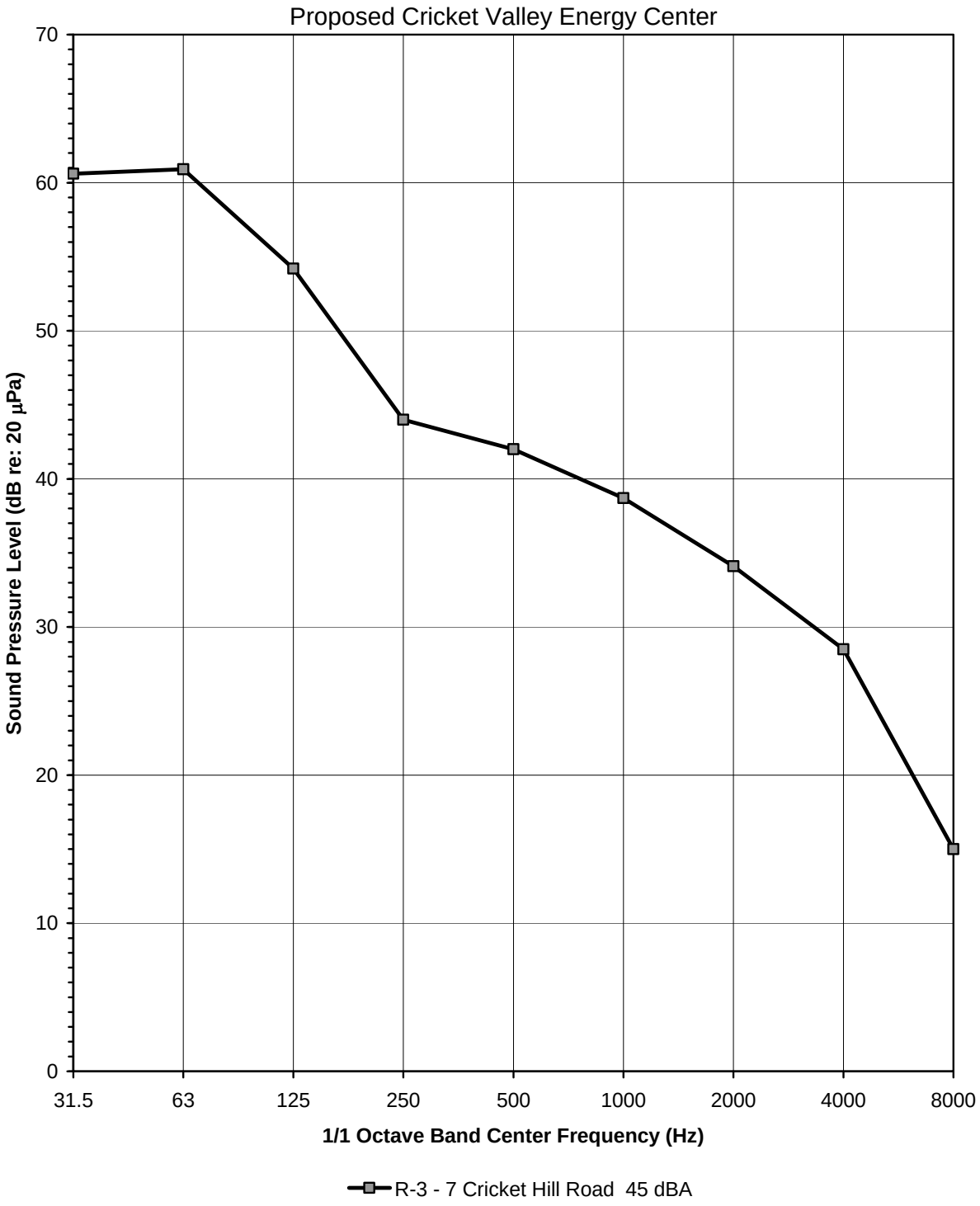


Figure 12

Estimate of Facility Sound at R-4 - 2238 SR-22

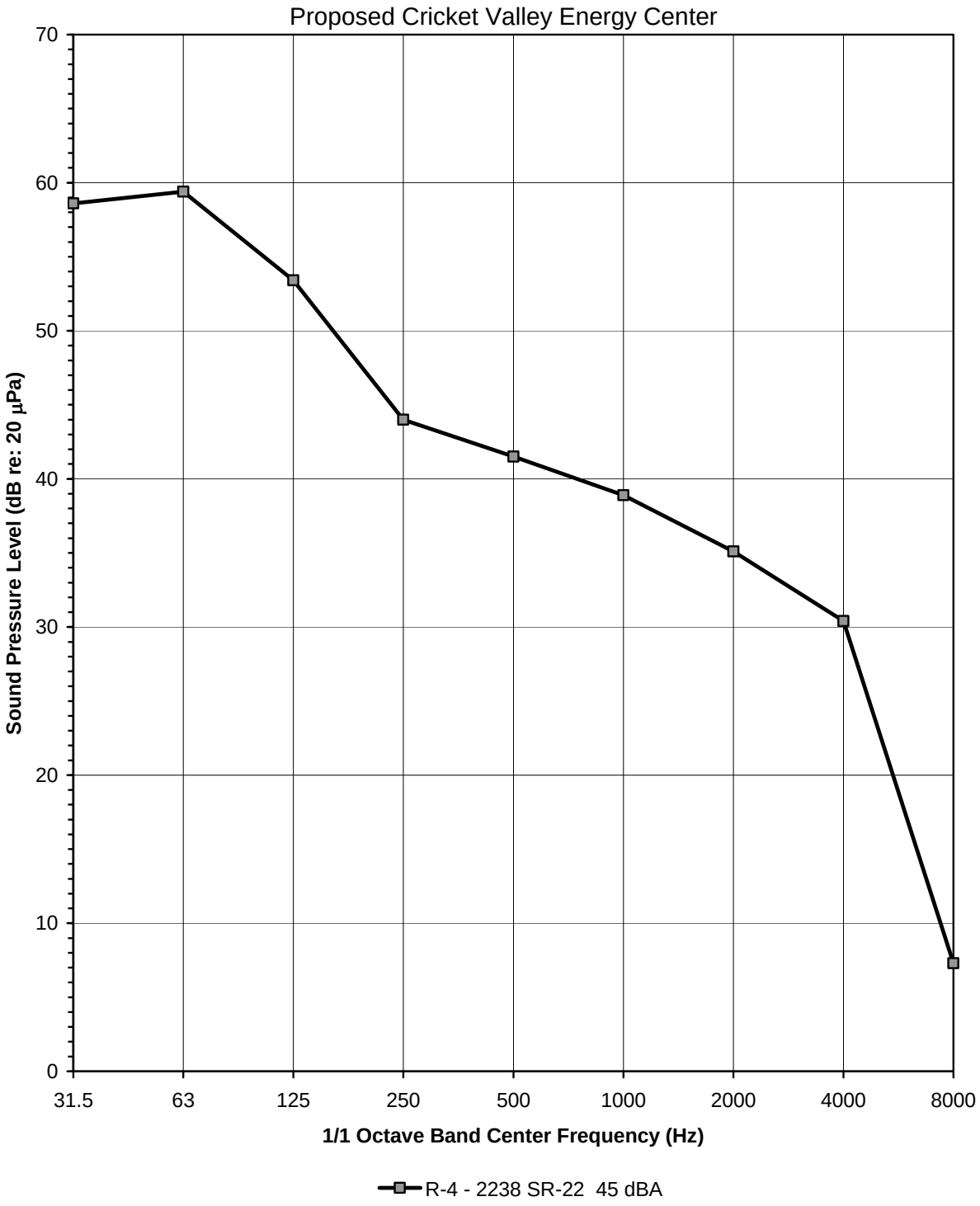


Figure 13

Estimate of Facility Sound at R-5 - North Chippawalla Road

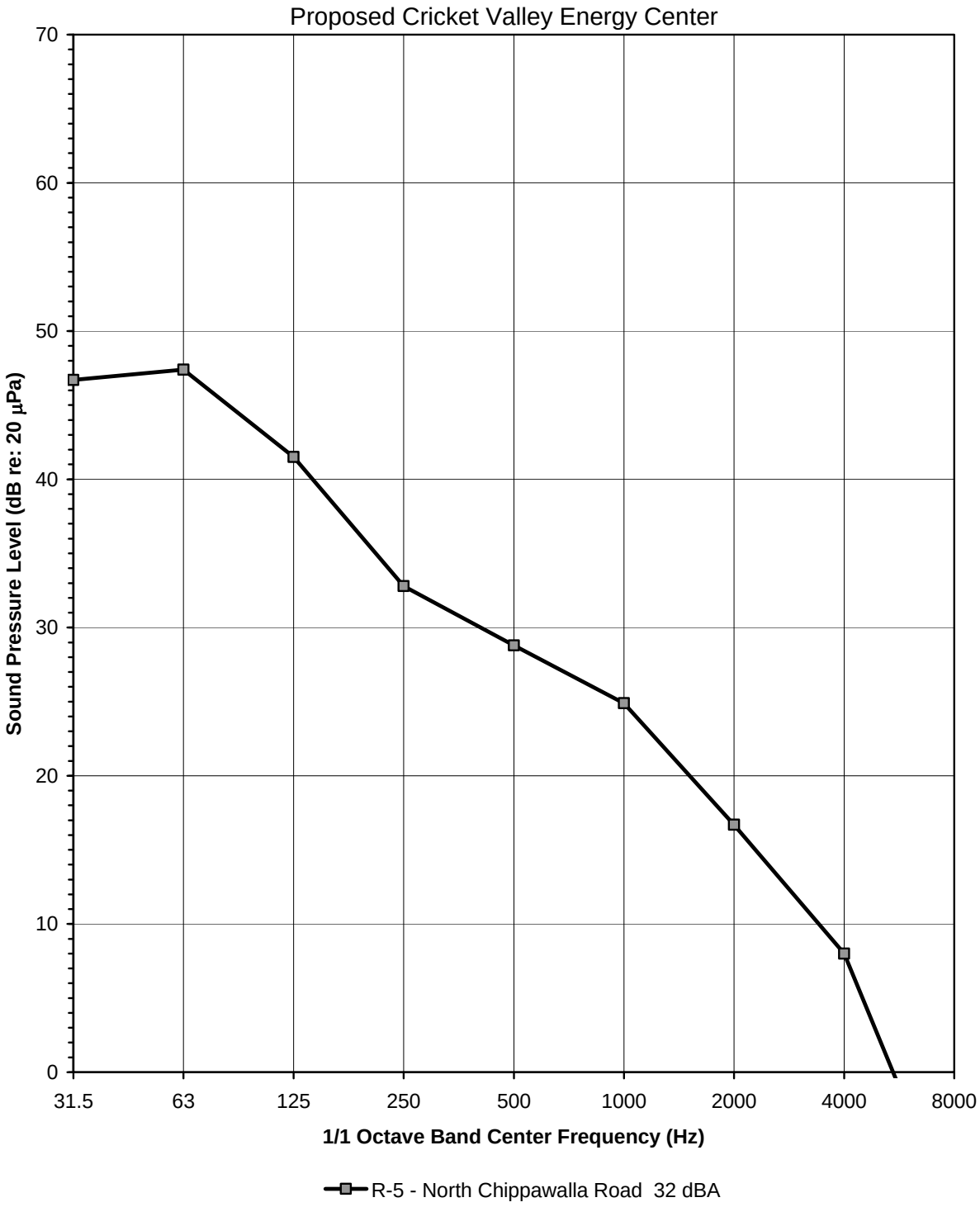


Figure 14

Appendix A

Sound Measurement Terminology

SOUND MEASUREMENT TERMINOLOGY

In order to quantify the amplitude, frequency, and temporal characteristics of sound, various acoustical descriptors are used. The following is an introduction to acoustic terminology that is used in this report.

Sound Level

Sound levels are typically quantified using a logarithmic decibel (dB) scale. The use of a logarithmic scale helps to compress the wide range of human sensitivity to sound amplitude into a scale that ranges from approximately 0 to 180 dB. Note however, that the use of the logarithmic scale prevents simple arithmetic operations when combining the cumulative impact of sources. For example, two sources of equal sound level operated simultaneously results in a combined sound level that is only 3 dB higher than if only one source was operated alone. An important feature of the human perception of continuous sound is that an increase or decrease in sound pressure level by 3 dB or less is barely perceptible, and an increase or decrease by 10 dB is perceived as a doubling or halving of noise level.

A-weighting

Generally, the sensitivity of human hearing is restricted to the frequency range of 20 Hz to 20,000 Hz. However, the human ear is most sensitive to sound in the 500 Hz to 5,000 Hz frequency range. Above and below this range, the ear becomes progressively less sensitive. To account for this feature of human hearing, sound level meters incorporate filtering of acoustic signals that corresponds to the varying sensitivity of the human ear to sound at different frequencies. This filtering is called A-weighting. Sound level measurements that are obtained using this filtering are referred to as A-weighted sound levels and are signified by the identifier, dBA. A-weighted sound levels are widely used for evaluating human exposure to environmental sounds. To help place A-weighted sound levels in perspective, Figure A-1 contains a scale showing typical sound levels for common interior and environmental sound sources.

Octave and 1/3 Octave Band Sound Levels

To characterize a sound, it is often necessary to evaluate the frequency distribution of the sound energy. As mentioned before, the frequencies of most interest where human exposure is concerned range between 20 Hz and 20,000 Hz. This frequency range is commonly divided into octave bands, where an octave band is a range of frequencies. Each octave band is referred to by its center frequency and has a bandwidth of one octave (a doubling of frequency). To cover the full range of human hearing, it is necessary to measure sound in 10 separate octave bands. Typically, the lowest frequency band measured has a center frequency of 31.5 Hz. The next frequency band has a center

frequency of 63 Hz. This geometric series continues to the highest frequency band that has a center frequency of 16,000 Hz. A set of octave band sound levels to describe a particular sound is called an octave band spectrum. Covering the full range of hearing, an octave band spectrum would have 10 values, one for each band. Under certain circumstances, more frequency resolution in acoustical data is needed to identify the presence of tonal sounds. A 1/3 octave band spectrum uses filters that divide each octave band into 3 separate frequency bands. Note that octave band and 1/3 octave band sound levels are not usually A weighted, with their units being dB.

Environmental Noise Descriptors

Sound levels in the environment are continuously fluctuating and it is difficult to quantify these time-varying levels with single number descriptors. Statistical approaches, which use equivalent sound levels and percentile sound levels, are often used to quantify the temporal characteristics of environmental sound.

The equivalent sound level (L_{eq}) is the energy average of the A-weighted sound level for the measurement interval. Sounds of low level and long duration, as well as sounds of high level and short duration influence this sound level descriptor. Noise levels at night generally produce greater annoyance than do the same levels which occur during the day. It is generally agreed that a given level of environmental noise during the day would appear to be 10 dBA louder at night – at least in terms of potential for causing community concern. The day night average sound level (L_{dn}) is a 24-hour average A-weighted sound level where a 10 dB "penalty" is applied to sound occurring between the hours of 10:00 p.m. and 7:00 a.m. The 10 dB penalty accounts for the heightened sensitivity of a community to noise occurring at night.

Percentile sound levels (L_n) are the A-weighted sound levels that are exceeded for specific percentages of time within a noise measurement interval. For example if a measurement interval is one hour long, the 50th percentile sound level (L_{50}) is the A-weighted sound level that is exceeded for 30 minutes of that interval. Similarly, the 90th percentile sound level (L_{90}) is the A-weighted sound level that is exceeded for 54 minutes of the same one-hour long interval. The 90th percentile sound level represents the nominally lowest level reached during the monitoring interval and is typically influenced by sound of relatively low level, but nearly constant duration, such as distant traffic or continuously operating industrial equipment. The L_{90} is often used in standards to quantify the existing background or residual sound level. Conversely, the L_{10} represents the nominally highest sound levels reached during a monitoring interval. The L_{10} is typically influenced by sound of high level, but short duration, such as that produced by vehicles passing on a nearby road. The L_{10} is sometimes called the intrusive sound level. By using percentile sound levels, it is possible to characterize the sound environment in terms of the steady-state background sound (L_{90}) and occasional transient sound (L_{10}).

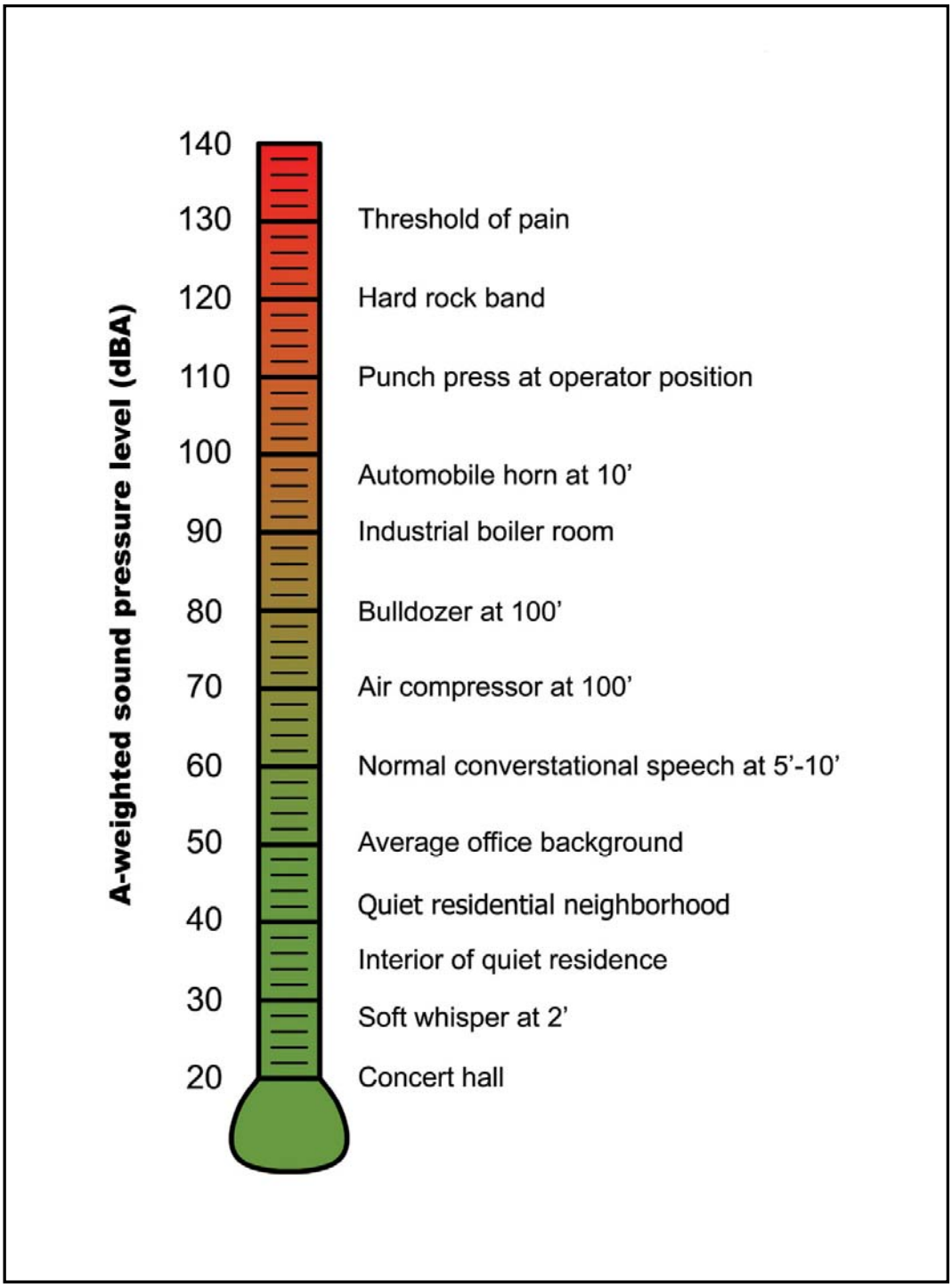


Figure A-1

Typical Sound Levels for Common Interior and Environmental Sources

Appendix B

Continuous Sound Measurement Data

Location 1 - Green Acres Conference Center

Cricket Valley Energy Center
Wednesday, September 16, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00								
01:00								
02:00								
03:00								
04:00								
05:00								
06:00								
07:00								
08:00								
09:00								
10:00								
11:00								
12:00								
13:00								
14:00	47.9	37.4	38.6	40.2	43.6	49.6	55.4	70.3
15:00	47.9	35.9	37.1	39.0	41.3	45.3	53.2	75.8
16:00	47.9	35.0	36.8	39.0	41.7	46.1	54.7	75.4
17:00	45.0	33.5	35.5	37.6	40.4	45.0	51.1	69.8
18:00	46.7	33.9	36.5	38.4	40.8	45.0	53.8	69.9
19:00	49.1	38.1	39.9	41.8	44.8	47.4	53.4	73.2
20:00	49.8	43.1	44.3	45.0	45.9	47.1	54.5	75.5
21:00	50.1	40.7	42.9	44.1	45.7	49.0	53.5	75.6
22:00	48.1	39.9	42.0	42.8	44.2	46.7	52.3	76.3
23:00	49.0	39.0	41.5	42.6	43.8	47.4	58.4	74.6

Overall L_{eq}: 48.4

L_{eq} (day*): 48.3
L_{eq} (night): 48.6**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 1 - Green Acres Conference Center

Cricket Valley Energy Center
Thursday, September 17, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	48.3	37.8	39.6	40.6	42.8	51.0	58.4	69.9
01:00	48.8	36.9	39.1	40.3	42.3	48.0	56.0	76.1
02:00	47.4	33.5	36.2	37.7	40.0	43.8	53.4	75.8
03:00	40.0	31.2	33.4	35.5	37.8	42.9	48.9	53.1
04:00	43.1	25.8	27.8	31.9	35.9	41.6	49.1	69.7
05:00	42.5	26.2	28.3	31.4	36.6	42.6	48.5	67.9
06:00	47.7	32.0	34.0	36.4	40.1	45.0	56.5	71.5
07:00	45.1	30.6	33.2	36.5	40.8	45.5	51.6	70.0
08:00	51.6	34.9	36.5	39.2	44.1	50.3	56.5	77.3
09:00	47.7	32.6	34.1	36.1	40.4	46.1	51.8	76.3
10:00	47.9	31.8	34.1	36.7	40.1	45.3	52.1	76.6
11:00	47.4	29.1	31.7	34.6	38.1	43.2	49.7	76.8
12:00	49.4	38.3	40.3	43.2	45.9	48.5	54.7	76.7
13:00	46.7	29.9	31.2	34.7	39.0	43.8	50.4	76.5
14:00	49.1	33.1	35.0	37.1	40.0	45.6	57.5	76.5
15:00	47.6	31.1	33.1	35.3	38.4	43.8	51.9	76.3
16:00	47.7	34.3	36.1	37.6	39.8	43.9	52.6	76.5
17:00	45.7	32.9	34.7	36.6	39.3	45.8	53.7	70.6
18:00	45.5	28.5	30.7	33.2	36.5	41.5	52.8	70.8
19:00	47.6	29.1	31.4	34.1	37.9	43.7	53.6	72.1
20:00	47.6	32.8	35.5	36.6	38.5	43.1	58.3	71.2
21:00	49.3	33.5	35.5	37.2	39.3	42.4	55.8	84.6
22:00	44.6	28.9	31.2	32.9	37.5	40.6	49.7	72.4
23:00	47.9	24.4	26.6	29.0	32.0	38.8	53.1	76.5

Overall L_{eq}: 47.5

L_{eq} (day*): 48.0
L_{eq} (night): 46.4**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 1 - Green Acres Conference Center

Cricket Valley Energy Center
Friday, September 18, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	46.0	25.0	26.4	27.7	30.9	37.1	48.1	76.5
01:00	32.7	24.0	25.1	26.3	29.6	36.0	41.8	50.6
02:00	34.7	24.8	25.8	26.7	29.3	37.5	46.0	52.6
03:00	36.3	25.4	26.5	27.6	30.4	40.3	47.0	54.1
04:00	49.5	27.6	29.4	31.0	35.8	44.5	53.4	77.9
05:00	49.7	32.5	34.4	38.9	45.6	51.8	57.1	73.6
06:00	47.3	29.7	30.9	33.3	39.8	46.5	54.8	70.5
07:00	42.7	29.1	30.8	32.7	35.7	40.3	50.2	68.6
08:00	46.0	28.6	31.6	34.5	37.0	43.1	54.4	71.8
09:00	41.3	33.3	34.2	35.6	38.4	43.8	50.7	58.6
10:00	52.2	35.0	36.9	40.3	48.5	56.0	59.8	71.3
11:00	52.6	36.6	37.5	40.7	48.6	56.2	62.8	69.7
12:00	52.4	36.3	37.9	41.1	48.7	55.5	62.2	69.3
13:00	51.7	35.5	36.5	39.8	46.5	54.3	61.1	76.0
14:00	52.5	36.2	37.3	40.8	49.8	56.5	60.3	69.7
15:00	50.5	35.2	37.2	39.1	46.5	53.8	60.3	67.3
16:00	47.5	34.9	36.3	38.5	42.9	50.9	57.1	69.1
17:00	44.7	33.4	35.4	37.4	40.4	46.4	53.0	68.0
18:00	46.8	34.6	36.3	37.5	41.4	48.7	54.7	68.1
19:00	49.5	37.8	40.1	43.0	47.5	49.6	58.6	69.3
20:00	48.8	44.2	45.4	46.2	47.2	48.5	53.0	69.6
21:00	48.3	43.3	44.2	44.9	45.8	47.1	53.9	70.9
22:00	46.5	40.9	42.8	43.8	44.9	46.5	50.9	69.6
23:00	48.0	39.7	41.4	42.6	44.5	49.0	56.0	68.9

Overall L_{eq}: 48.7

L_{eq} (day*): 49.7
L_{eq} (night): 46.4**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 1 - Green Acres Conference Center

Cricket Valley Energy Center
Saturday, September 19, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	46.1	36.6	38.8	40.6	42.9	46.6	52.7	69.9
01:00	50.4	37.6	39.2	41.6	48.1	54.2	57.6	61.0
02:00	50.4	38.3	40.1	42.5	47.5	53.3	57.7	69.8
03:00	50.2	36.9	39.0	41.8	48.0	53.9	57.7	60.8
04:00	54.1	39.1	43.5	46.9	52.4	57.6	61.4	64.5
05:00	50.0	27.4	28.8	31.4	41.7	53.6	61.1	71.1
06:00	45.5	26.1	28.0	30.1	35.4	41.7	53.8	71.1
07:00	45.5	31.0	32.9	34.7	38.3	44.6	52.0	71.4
08:00	47.3	34.0	35.4	37.7	42.9	49.9	54.0	70.6
09:00	50.4	36.0	37.9	40.8	46.2	53.1	57.8	76.5
10:00	47.2	36.4	38.1	40.2	43.7	49.2	56.8	69.4
11:00	49.5	36.1	38.0	40.3	45.9	52.3	56.8	73.2
12:00	50.6	37.5	39.4	41.8	47.6	54.0	58.9	72.0
13:00	51.0	40.1	41.4	43.3	48.4	54.1	58.3	72.5
14:00	48.6	36.4	38.0	39.7	43.5	49.9	57.0	71.8
15:00	48.5	35.7	37.5	40.0	44.8	50.5	55.4	72.1
16:00	46.9	36.1	37.9	39.9	43.8	49.6	55.2	67.9
17:00	42.9	34.7	36.3	37.4	39.7	44.2	53.4	64.0
18:00	46.4	31.6	34.7	36.5	39.4	43.7	59.3	70.2
19:00	44.9	31.8	33.7	36.4	38.1	40.4	49.6	71.0
20:00	44.5	30.4	32.5	34.5	37.6	40.4	50.9	70.2
21:00	44.2	27.9	30.2	32.3	35.0	38.6	50.8	71.2
22:00	35.2	26.0	28.0	31.6	34.8	37.1	39.7	45.5
23:00	46.7	23.7	26.1	28.5	31.6	37.8	56.7	71.3

Overall L_{eq}: 48.6

L_{eq} (day*): 47.9
L_{eq} (night): 49.5**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 1 - Green Acres Conference Center

Cricket Valley Energy Center
Sunday, September 20, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	43.5	21.9	22.8	23.7	27.2	34.7	52.4	70.2
01:00	44.9	21.8	22.9	24.1	27.3	36.0	51.6	72.3
02:00	44.4	21.2	21.9	23.1	26.6	37.6	55.6	68.6
03:00	27.8	21.0	21.6	23.0	24.9	29.6	37.1	51.2
04:00	28.8	21.9	23.1	24.3	26.3	31.7	37.0	42.9
05:00	43.2	22.5	24.2	25.6	28.8	36.3	50.5	70.3
06:00	44.0	23.7	25.1	27.8	32.3	39.2	54.0	69.7
07:00	43.0	27.0	28.6	30.4	34.1	39.0	48.2	69.1
08:00	43.7	29.8	31.1	32.5	35.6	40.0	49.5	70.1
09:00	44.9	26.3	28.0	30.3	34.7	41.2	54.7	70.5
10:00	44.0	29.3	30.7	32.3	35.3	42.6	52.5	70.0
11:00	39.4	31.7	33.0	34.4	36.9	41.4	48.7	62.1
12:00	47.2	32.3	34.7	36.1	40.9	47.0	59.4	69.1
13:00	47.1	33.9	34.9	35.9	38.7	47.7	59.7	67.7
14:00	45.4	32.2	33.6	34.9	40.5	46.8	52.6	72.5
15:00	42.8	31.5	33.0	34.6	37.3	43.7	49.1	67.5
16:00	43.5	32.8	34.0	34.9	36.8	43.0	53.7	66.8
17:00	44.2	32.1	33.5	34.6	36.7	41.5	48.7	70.7
18:00	40.4	33.3	35.1	36.4	38.6	42.0	49.5	58.2
19:00	48.6	34.4	36.4	38.8	41.1	44.4	56.7	73.9
20:00	47.0	35.6	37.6	39.1	40.8	43.0	52.9	74.2
21:00	46.6	31.8	34.7	36.1	38.4	41.7	52.8	74.1
22:00	45.3	26.4	28.7	31.9	35.4	39.0	51.4	73.2
23:00	47.4	22.4	24.4	26.8	30.5	36.7	54.9	75.0

Overall L_{eq}: 44.7

L_{eq} (day*): 45.2
L_{eq} (night): 43.8**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 1 - Green Acres Conference Center

Cricket Valley Energy Center
Monday, September 21, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	30.4	22.9	24.4	26.2	29.5	32.6	37.0	43.1
01:00	31.8	21.5	22.3	24.0	28.5	33.7	42.2	50.8
02:00	43.7	21.4	22.7	23.7	26.9	33.6	48.0	71.6
03:00	32.3	23.9	25.5	27.2	30.1	34.5	41.5	50.2
04:00	47.1	26.3	27.9	29.2	31.9	37.5	51.3	74.1
05:00	45.4	28.2	30.0	31.9	34.8	39.2	45.9	75.8
06:00	48.1	30.5	32.7	34.2	36.7	41.5	59.9	72.7
07:00	43.5	30.6	32.3	34.0	36.5	40.2	45.3	70.4
08:00	44.7	30.0	31.8	33.4	35.9	40.2	45.6	72.4
09:00	44.9	29.5	30.8	32.5	35.5	40.7	49.2	73.2
10:00	48.8	31.2	33.9	35.3	37.4	41.7	58.8	78.5
11:00	45.3	34.2	35.2	36.3	39.0	42.9	53.7	70.9
12:00	45.0	36.6	37.8	39.0	40.4	43.7	51.3	69.9
13:00	46.0	36.4	38.2	39.5	42.0	46.0	51.4	70.3
14:00	46.0	37.1	38.4	39.6	42.2	47.1	53.4	69.5
15:00	46.5	36.0	37.5	39.6	42.1	46.3	52.1	71.6
16:00	45.3	34.2	35.7	37.6	40.3	43.7	53.4	69.8
17:00	44.9	35.0	36.8	38.9	40.3	43.2	50.9	69.8
18:00	47.4	36.8	39.4	40.7	42.2	44.0	56.1	72.2
19:00	49.2	38.9	41.8	42.7	44.4	46.5	56.6	72.4
20:00	48.5	40.5	42.4	43.6	45.0	46.6	56.2	70.5
21:00	47.4	35.9	38.3	39.7	41.4	44.2	54.9	72.0
22:00	43.4	32.8	35.5	36.7	38.6	41.0	48.7	70.2
23:00	47.1	28.8	30.1	32.1	35.3	40.2	59.6	71.2

Overall L_{eq}: 45.9

L_{eq} (day*): 46.5
L_{eq} (night): 44.5**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 1 - Green Acres Conference Center

Cricket Valley Energy Center
Tuesday, September 22, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	44.6	26.7	29.7	31.4	33.4	37.6	52.0	72.2
01:00	41.7	23.3	24.3	25.7	29.2	34.8	47.9	69.5
02:00	41.7	24.5	25.8	27.4	30.4	35.0	48.5	70.1
03:00	35.0	23.9	25.5	26.9	31.0	37.9	45.1	53.3
04:00	43.7	27.0	28.6	31.4	34.4	40.5	47.8	70.1
05:00	43.8	27.9	29.8	32.0	35.8	41.0	49.2	69.4
06:00	47.8	30.5	33.7	36.1	39.1	44.5	56.7	71.9
07:00	48.3	34.5	36.8	39.2	42.5	47.3	58.4	74.3
08:00	45.9	33.2	35.3	37.2	39.5	43.8	54.2	71.2
09:00	44.3	36.2	37.5	38.5	40.1	43.2	51.5	70.8
10:00	44.7	37.5	38.6	39.5	40.9	44.5	51.6	69.6
11:00	45.0	38.5	39.6	40.3	41.9	45.5	51.7	70.2
12:00	45.8	38.3	39.3	40.1	42.0	48.0	54.2	68.7
13:00	46.2	38.0	39.5	40.6	42.4	45.7	55.7	70.6
14:00	44.3	36.9	38.2	39.3	41.2	45.6	51.5	68.5
15:00	43.5	33.9	35.8	37.2	39.2	42.7	51.9	69.3
16:00	44.9	33.6	35.4	36.8	38.6	42.5	55.2	70.9
17:00	44.6	33.6	35.4	36.9	38.8	42.9	52.0	70.5
18:00	45.9	34.7	36.2	37.4	39.4	43.4	54.0	69.4
19:00	52.0	42.3	44.0	47.1	49.2	50.0	60.7	74.3
20:00	50.5	44.8	46.0	46.7	47.8	49.0	56.1	74.9
21:00	50.3	44.0	44.9	45.6	46.6	48.0	56.1	76.1
22:00	47.2	43.0	44.2	44.9	45.7	46.8	50.6	69.9
23:00	47.7	43.1	44.0	44.5	45.3	46.3	53.5	69.5

Overall L_{eq}: 46.5

L_{eq} (day*): 47.3
L_{eq} (night): 44.9**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 1 - Green Acres Conference Center

Cricket Valley Energy Center
Wednesday, September 23, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	47.2	43.4	44.4	45.0	45.7	46.5	50.3	69.2
01:00	45.1	42.5	43.5	44.1	45.0	46.0	47.0	53.0
02:00	45.3	42.6	43.7	44.4	45.3	46.1	47.1	55.3
03:00	44.3	40.2	41.4	42.3	44.0	46.0	46.9	50.3
04:00	45.9	37.2	39.5	41.0	42.8	44.4	51.0	70.8
05:00	45.3	36.1	38.3	39.4	40.7	42.8	50.0	78.3
06:00	49.9	34.4	36.2	38.0	40.7	45.9	56.6	76.3
07:00	47.0	35.8	36.9	38.1	40.2	44.6	54.2	74.1
08:00	46.1	36.6	37.6	38.8	41.2	45.1	54.3	70.8
09:00	44.5	37.4	38.1	39.0	41.0	44.6	51.9	70.3
10:00	44.3	35.7	36.9	38.6	40.9	44.0	51.8	69.2
11:00	46.6	36.3	37.8	39.2	42.3	49.1	55.5	69.0
12:00	46.0	37.2	38.0	39.3	42.3	47.7	54.8	69.5
13:00	45.2	36.0	37.5	39.2	42.0	46.2	52.7	69.5
14:00								
15:00								
16:00								
17:00								
18:00								
19:00								
20:00								
21:00								
22:00								
23:00								

Overall L_{eq}: 46.2

L_{eq} (day*): 45.8
L_{eq} (night): 46.5**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

Cricket Valley Energy Center
Wednesday, September 16, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00								
01:00								
02:00								
03:00								
04:00								
05:00								
06:00								
07:00								
08:00								
09:00								
10:00								
11:00								
12:00								
13:00								
14:00	50.6	39.4	41.4	44.2	48.6	53.9	57.9	65.3
15:00	50.4	36.9	39.8	43.9	48.2	53.4	57.6	70.4
16:00	51.1	41.3	43.8	46.8	50.0	53.6	57.2	63.0
17:00	50.2	38.5	40.2	43.5	48.5	52.7	58.3	66.1
18:00	49.3	36.7	39.2	42.4	47.2	52.6	57.4	65.2
19:00	51.4	39.5	41.4	45.9	50.1	53.7	58.0	69.6
20:00	50.8	42.0	45.2	47.0	49.6	53.3	56.7	62.7
21:00	48.8	41.5	43.6	45.1	47.4	52.0	54.8	59.2
22:00	47.4	37.2	40.0	42.8	45.5	51.0	53.8	59.4
23:00	46.5	35.5	38.5	41.7	44.5	49.7	54.1	64.0

Overall L_{eq}: 49.9

L_{eq} (day*): 50.4
L_{eq} (night): 47.0**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

Cricket Valley Energy Center
Thursday, September 17, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	44.8	33.8	36.2	39.0	42.8	47.1	54.3	59.2
01:00	42.9	31.8	35.2	37.8	41.4	44.4	52.4	60.2
02:00	41.0	28.2	29.6	31.2	37.0	42.1	53.1	61.4
03:00	40.0	28.8	30.0	31.4	34.8	40.1	52.8	60.6
04:00	44.8	26.9	28.2	31.1	37.6	48.0	56.6	62.0
05:00	47.0	26.6	27.8	33.4	43.0	51.1	56.8	61.2
06:00	49.5	31.6	34.7	40.4	47.1	53.3	57.2	62.7
07:00	51.0	32.5	38.3	43.4	49.0	54.2	58.7	65.0
08:00	51.0	38.9	41.3	44.7	49.4	54.2	57.7	63.8
09:00	50.3	35.5	37.5	41.8	47.8	54.1	58.2	64.6
10:00	50.2	34.2	38.0	41.4	47.0	53.7	58.8	67.8
11:00	48.8	36.5	38.2	41.2	46.2	52.1	57.4	62.6
12:00	51.1	41.6	43.4	46.0	49.7	54.0	58.0	62.5
13:00	49.9	38.4	40.3	43.0	47.6	53.4	57.5	64.1
14:00	51.9	38.7	41.7	45.1	49.6	55.0	59.9	67.3
15:00	50.3	38.9	40.6	43.9	48.3	53.6	57.6	64.9
16:00	50.1	36.5	40.4	43.9	48.5	53.3	57.5	63.1
17:00	50.8	37.1	40.0	44.5	49.0	54.0	58.3	65.2
18:00	49.0	29.4	34.5	41.8	47.6	52.2	56.2	62.8
19:00	48.3	32.3	35.3	39.9	45.8	51.4	56.9	68.5
20:00	46.7	28.4	31.2	35.6	43.3	50.7	55.6	59.9
21:00	45.7	26.9	28.6	32.8	40.3	48.3	55.6	76.5
22:00	44.4	27.0	28.6	31.2	38.7	47.0	55.9	64.7
23:00	43.6	25.6	26.5	28.5	35.8	46.7	54.3	67.4

Overall L_{eq}: 48.7

L_{eq} (day*): 49.9
L_{eq} (night): 45.1**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

Cricket Valley Energy Center
Friday, September 18, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	41.6	25.7	26.5	27.8	32.1	43.7	54.6	59.8
01:00	41.2	25.2	26.0	26.6	32.8	43.7	53.2	60.9
02:00	41.2	25.9	27.0	28.2	31.7	42.8	53.7	62.1
03:00	42.3	26.0	27.1	28.1	30.7	45.5	54.6	63.5
04:00	47.1	27.6	28.5	29.9	38.7	50.0	58.8	68.1
05:00	46.8	28.2	29.3	33.7	41.0	49.6	58.6	65.8
06:00	49.0	33.1	35.3	39.6	46.0	53.1	57.8	62.1
07:00	50.6	33.5	36.9	43.0	48.0	54.1	58.7	65.7
08:00	49.3	32.8	36.3	41.1	46.5	53.1	57.8	64.3
09:00	48.4	33.6	36.0	39.7	45.5	52.2	56.9	63.6
10:00	50.0	36.6	38.5	41.0	45.0	51.0	57.8	77.9
11:00	48.9	37.4	39.3	42.0	46.3	51.7	57.6	65.4
12:00	48.4	38.4	40.1	42.5	46.2	51.3	56.5	67.4
13:00	49.6	38.6	40.0	42.2	46.3	52.0	58.8	73.5
14:00	49.0	38.0	39.7	42.6	46.8	52.3	56.9	65.9
15:00	48.4	37.9	39.2	42.4	46.7	51.7	55.7	61.5
16:00	49.6	37.9	40.4	43.3	47.3	52.7	57.3	70.0
17:00	49.3	38.8	40.6	43.2	46.9	52.0	58.5	68.2
18:00	48.5	38.4	40.4	42.6	46.4	51.7	56.9	62.2
19:00	52.0	41.7	43.6	47.3	51.4	53.8	58.2	63.8
20:00	51.1	44.8	47.2	48.5	50.4	52.8	57.0	63.4
21:00	49.9	42.9	45.1	46.7	48.8	51.8	57.2	65.6
22:00	48.0	40.0	42.8	44.7	47.2	50.1	53.8	59.6
23:00	48.2	38.4	41.1	43.2	46.5	50.3	56.8	64.8

Overall L_{eq}: 48.6

L_{eq} (day*): 49.7
L_{eq} (night): 46.1**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

Cricket Valley Energy Center
Saturday, September 19, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	46.0	34.2	37.0	39.4	43.0	48.1	56.0	67.5
01:00	46.2	35.4	38.1	40.8	44.2	49.3	54.1	61.0
02:00	44.9	32.9	34.0	37.6	42.1	47.3	54.9	61.4
03:00	42.6	31.9	33.3	36.6	40.7	45.3	50.8	59.6
04:00	45.8	34.1	35.4	39.6	44.2	48.8	53.3	60.3
05:00	46.6	29.2	30.8	33.6	43.4	49.6	56.9	61.4
06:00	46.8	29.1	30.3	33.8	42.7	50.0	57.2	65.6
07:00	48.4	29.1	31.8	39.0	45.4	51.6	57.2	72.8
08:00	49.5	33.5	37.4	42.2	47.6	52.6	57.3	64.5
09:00	50.3	40.0	41.5	43.9	48.3	52.9	58.0	69.9
10:00	49.2	36.6	40.0	43.4	47.7	52.3	56.5	62.1
11:00	50.0	38.5	40.8	44.1	48.1	52.8	57.4	66.4
12:00	50.1	41.5	43.4	45.6	48.7	52.5	58.0	65.1
13:00	50.8	39.4	42.4	45.0	49.1	53.8	58.1	72.2
14:00	49.6	40.6	43.2	45.1	48.3	52.0	57.0	62.1
15:00	49.5	38.1	40.5	43.6	47.4	52.7	57.7	65.1
16:00	48.3	34.9	37.1	41.8	46.4	51.4	55.7	65.0
17:00	48.4	34.6	37.8	41.3	46.5	51.6	56.2	68.1
18:00	47.5	32.7	35.7	39.7	45.4	50.7	56.3	60.9
19:00	46.9	31.4	33.3	37.7	44.4	49.8	56.6	65.1
20:00	46.4	30.8	33.0	37.1	43.9	49.6	55.8	60.2
21:00	45.7	27.8	31.3	35.4	42.2	48.6	56.0	63.4
22:00	43.8	27.4	28.7	31.5	40.0	47.3	54.0	58.1
23:00	44.7	26.6	28.2	30.9	38.1	46.0	57.5	66.7

Overall L_{eq}: 47.9

L_{eq} (day*): 48.9
L_{eq} (night): 45.5**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

Cricket Valley Energy Center
Sunday, September 20, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	40.9	25.1	26.0	26.9	32.9	43.7	52.3	62.0
01:00	41.8	26.0	26.7	27.3	32.0	43.3	54.5	65.5
02:00	41.7	25.5	26.2	26.6	29.8	42.8	54.5	62.6
03:00	35.3	25.4	26.1	26.6	27.9	37.4	46.9	57.5
04:00	37.4	26.2	26.8	27.3	29.9	41.3	48.4	55.7
05:00	44.7	26.3	27.0	27.9	33.4	44.4	53.8	74.1
06:00	43.1	26.8	27.9	29.9	38.5	46.7	53.5	61.8
07:00	45.9	29.4	31.3	35.5	42.4	49.4	55.2	62.6
08:00	47.4	33.3	36.4	39.6	45.3	50.8	55.5	61.3
09:00	47.0	30.4	32.7	38.0	44.4	49.8	56.1	65.6
10:00	47.1	34.0	35.7	39.5	45.1	50.0	55.3	65.5
11:00	48.1	35.0	36.7	41.3	46.0	50.9	56.1	65.8
12:00	47.6	36.1	37.7	40.4	45.5	50.9	55.7	62.8
13:00	55.8	34.9	36.8	42.2	50.1	53.7	62.3	83.6
14:00	48.5	35.8	38.1	41.7	46.3	51.9	55.9	64.1
15:00	48.1	36.4	38.2	40.6	45.2	50.6	56.5	69.7
16:00	48.6	36.2	38.4	41.9	46.8	51.2	56.2	65.2
17:00	48.6	36.4	39.1	42.1	46.5	51.7	57.7	61.7
18:00	48.2	36.3	38.8	41.0	46.5	51.3	56.4	61.4
19:00	50.8	37.5	41.7	46.4	49.3	53.6	58.4	63.8
20:00	48.9	37.0	41.7	44.7	47.6	51.3	56.3	62.5
21:00	47.1	31.0	37.8	41.3	45.1	49.6	56.2	62.8
22:00	44.2	26.3	27.4	33.3	40.2	46.8	55.7	63.4
23:00	43.4	26.3	27.6	29.6	36.4	45.3	55.5	62.8

Overall L_{eq}: 47.8

L_{eq} (day*): 49.4
L_{eq} (night): 42.2**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

Cricket Valley Energy Center
Monday, September 21, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	39.9	25.6	26.3	26.9	30.8	43.4	52.4	57.7
01:00	40.5	25.2	26.0	26.4	28.5	40.7	54.6	62.6
02:00	39.4	25.0	25.7	26.1	26.9	36.3	54.0	64.3
03:00	41.5	25.0	26.2	27.1	30.3	43.4	54.7	60.4
04:00	43.5	26.7	28.3	29.5	35.4	46.7	55.0	61.2
05:00	46.0	28.8	30.7	33.5	41.8	50.2	55.7	61.5
06:00	48.1	30.6	35.5	39.7	45.7	52.0	56.1	62.3
07:00	49.0	32.9	35.1	40.6	46.7	52.4	57.0	64.2
08:00	49.7	36.6	38.2	41.0	46.9	53.5	58.0	64.1
09:00	49.5	33.9	36.1	39.1	45.8	52.8	58.3	69.9
10:00	49.1	34.9	38.5	41.5	45.9	52.0	58.5	69.9
11:00	48.9	36.9	39.3	41.9	46.1	52.3	57.8	64.1
12:00	50.0	37.0	39.9	43.6	47.2	52.4	59.3	69.6
13:00	48.5	36.5	38.8	42.2	46.4	51.7	56.7	63.2
14:00	49.3	36.3	37.8	41.8	47.1	52.5	57.3	67.8
15:00	48.6	37.5	40.4	43.0	46.6	51.6	56.7	63.1
16:00	50.7	39.4	40.6	43.5	49.0	54.3	57.4	68.0
17:00	48.5	35.2	38.5	42.0	46.2	51.8	56.6	64.8
18:00	48.4	35.1	37.6	42.7	46.7	51.5	56.1	60.8
19:00	49.7	39.8	42.8	45.7	48.5	52.2	56.6	60.7
20:00	48.6	37.7	42.1	44.6	47.2	50.8	56.2	62.1
21:00	47.0	34.9	38.2	41.0	44.5	49.4	56.7	60.5
22:00	45.0	29.9	34.6	38.2	42.2	47.4	54.8	60.9
23:00	45.4	27.9	31.9	35.6	39.8	46.2	58.0	64.2

Overall L_{eq}: 47.8

L_{eq} (day*): 49.1
L_{eq} (night): 44.2**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

Cricket Valley Energy Center
Tuesday, September 22, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	42.2	27.0	28.1	30.5	36.4	43.9	55.5	61.3
01:00	39.9	25.4	26.2	27.0	31.2	40.4	54.5	60.2
02:00	41.3	26.3	27.4	29.4	34.1	42.0	54.8	61.0
03:00	42.8	26.0	27.2	28.7	34.1	43.9	55.0	62.2
04:00	44.8	25.7	26.8	29.7	39.0	48.2	55.7	62.6
05:00	46.8	26.5	29.6	34.8	43.4	50.7	56.1	62.2
06:00	50.1	37.5	39.2	42.2	47.7	53.8	58.2	64.3
07:00	53.2	39.0	41.9	45.0	49.6	54.7	60.7	78.3
08:00	49.2	36.5	38.6	42.5	47.1	52.5	57.0	62.0
09:00	49.7	37.5	38.7	41.2	46.6	53.5	58.7	65.7
10:00	48.7	35.8	37.3	40.9	45.7	52.7	57.3	62.7
11:00	49.2	36.7	38.2	41.2	46.1	52.8	58.1	64.1
12:00	48.3	35.3	37.9	40.8	45.6	51.6	56.9	68.5
13:00	48.7	37.1	39.2	41.6	46.2	52.1	57.2	62.2
14:00	48.4	37.4	39.1	41.8	46.4	51.7	56.3	68.6
15:00	48.5	36.6	39.1	42.3	46.8	51.7	56.1	61.5
16:00	48.8	38.3	40.5	43.0	46.9	52.1	56.1	61.0
17:00	48.7	37.0	38.8	42.2	46.4	51.8	57.0	67.9
18:00	47.6	38.6	40.4	42.3	45.6	50.6	55.6	62.8
19:00	53.1	43.8	47.1	51.1	52.6	54.2	59.1	66.8
20:00	51.0	46.5	48.3	49.2	50.5	52.2	56.2	61.1
21:00	49.9	43.5	45.6	47.2	49.1	51.7	56.2	61.6
22:00	48.0	43.4	45.1	46.2	47.6	49.2	52.4	59.0
23:00	47.8	41.7	43.8	45.2	47.4	49.3	53.6	62.7

Overall L_{eq}: 48.8

L_{eq} (day*): 49.9
L_{eq} (night): 46.1**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 2 - Consolidated Edison ROW Near 3 Vincent Road

Cricket Valley Energy Center
Wednesday, September 23, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	47.2	42.6	44.3	45.4	46.6	48.2	53.6	58.2
01:00	46.6	41.8	43.7	44.7	45.9	47.3	54.3	61.4
02:00	46.2	40.5	42.2	43.9	45.7	47.3	52.5	60.7
03:00	45.8	39.2	41.2	42.5	44.5	46.7	55.1	60.7
04:00	46.9	35.0	38.3	40.7	43.3	49.8	56.5	62.2
05:00	47.0	34.7	36.9	39.3	44.0	50.6	56.1	61.4
06:00	50.5	37.0	38.6	41.9	47.7	53.9	59.3	69.2
07:00	49.8	36.7	38.4	42.2	47.6	53.2	57.6	63.1
08:00	52.4	38.3	40.4	45.0	51.5	55.3	58.8	67.4
09:00	53.4	40.5	42.8	46.0	52.2	56.6	59.9	68.4
10:00	48.3	37.4	39.0	41.0	45.4	51.9	57.0	63.8
11:00	47.4	37.2	38.7	41.3	45.3	50.4	55.0	62.7
12:00	49.2	37.6	39.0	41.3	45.9	52.2	58.2	69.6
13:00	47.9	34.5	37.3	40.8	45.5	51.6	55.8	66.8
14:00								
15:00								
16:00								
17:00								
18:00								
19:00								
20:00								
21:00								
22:00								
23:00								

Overall L_{eq}: 49.1

L_{eq} (day*): 50.3
L_{eq} (night): 47.5**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 3 - 7 Cricket Hill Road

Cricket Valley Energy Center
Wednesday, September 16, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00								
01:00								
02:00								
03:00								
04:00								
05:00								
06:00								
07:00								
08:00								
09:00								
10:00								
11:00								
12:00								
13:00								
14:00	49.2	39.8	41.2	43.0	46.1	50.9	58.8	73.0
15:00	48.1	39.7	41.1	42.5	45.5	50.8	57.4	65.1
16:00	48.6	39.6	41.3	43.1	46.4	51.1	57.0	67.7
17:00	47.9	39.3	40.3	42.3	45.5	50.8	56.0	63.8
18:00	48.4	37.4	39.5	41.8	44.8	50.7	56.4	71.6
19:00	49.3	41.0	42.5	44.6	48.2	51.1	56.0	67.8
20:00	49.5	44.3	45.9	46.9	48.7	51.3	55.0	62.2
21:00	47.8	42.7	44.2	45.1	47.0	50.0	52.5	59.2
22:00	46.6	39.8	41.3	42.9	45.7	48.8	52.5	62.3
23:00	46.9	39.7	41.7	43.0	45.3	49.1	54.6	62.5

Overall L_{eq}: 48.3

L_{eq} (day*): 48.6
L_{eq} (night): 46.8**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 3 - 7 Cricket Hill Road

Cricket Valley Energy Center
Thursday, September 17, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	45.6	39.5	40.9	42.3	44.7	48.0	51.0	58.2
01:00	44.1	38.3	40.1	41.2	43.0	46.9	48.7	52.5
02:00	40.5	36.4	38.1	38.9	40.1	41.8	45.2	54.0
03:00	41.6	35.9	37.4	39.1	40.7	43.2	47.8	56.0
04:00	41.9	28.7	30.3	35.3	38.9	44.6	50.5	60.7
05:00	41.9	28.8	30.6	33.1	38.8	45.6	51.0	55.5
06:00	46.6	31.5	33.8	38.3	44.0	49.6	54.8	65.4
07:00	48.4	35.7	38.3	40.9	45.8	51.5	57.0	69.0
08:00	48.7	37.4	39.2	41.9	46.3	51.9	57.0	65.8
09:00	46.6	33.9	36.3	39.4	43.9	49.3	55.6	65.4
10:00	47.2	31.7	34.3	39.3	44.1	49.5	57.9	70.1
11:00	45.4	31.9	33.9	37.2	42.3	48.4	54.0	69.8
12:00	51.4	43.0	44.3	46.9	50.3	53.9	57.2	69.0
13:00	47.5	34.9	37.5	41.7	45.8	50.3	55.4	63.0
14:00	49.6	37.5	39.9	42.4	46.2	51.6	60.4	69.1
15:00	47.7	34.3	37.1	42.0	45.8	50.8	55.4	62.9
16:00	47.2	36.5	38.8	41.4	45.1	50.3	55.0	62.9
17:00	48.7	35.6	39.0	42.2	46.1	51.4	57.9	66.9
18:00	48.6	30.7	34.2	38.7	44.1	50.5	57.7	72.5
19:00	46.0	29.6	34.8	38.8	43.4	49.6	54.1	59.0
20:00	44.3	26.0	28.7	35.2	40.7	47.3	53.6	63.7
21:00	42.7	26.3	28.9	32.3	38.3	45.7	53.1	60.4
22:00	39.8	24.3	26.3	30.1	36.2	42.9	49.6	60.3
23:00	39.5	23.4	24.6	27.2	33.9	41.8	50.3	62.5

Overall L_{eq}: 46.6

L_{eq} (day*): 47.8
L_{eq} (night): 43.1**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 3 - 7 Cricket Hill Road

Cricket Valley Energy Center
Friday, September 18, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	37.9	24.2	26.7	29.9	33.6	40.9	48.5	55.0
01:00	41.1	31.7	34.7	36.4	39.4	43.2	49.4	55.3
02:00	42.9	36.5	38.4	40.1	41.8	44.7	49.8	57.0
03:00	45.2	37.2	38.8	41.3	44.2	47.2	51.8	61.8
04:00	47.1	43.5	44.2	44.9	46.0	49.0	53.1	63.6
05:00	46.1	36.8	38.4	41.2	45.0	48.4	54.2	61.0
06:00	48.7	37.3	38.9	41.8	46.2	51.8	57.2	68.5
07:00	49.9	37.1	40.4	43.1	47.6	52.8	58.3	70.0
08:00	47.5	33.9	36.6	39.8	44.7	50.6	57.2	65.0
09:00	47.2	36.2	38.0	40.1	44.1	50.0	56.4	67.8
10:00	48.6	38.2	40.2	42.8	46.4	50.8	57.7	70.2
11:00	49.8	40.6	42.1	44.2	47.9	52.3	58.3	66.8
12:00	49.8	42.0	43.8	45.6	48.6	52.2	56.5	71.5
13:00	51.2	42.3	43.9	45.7	48.5	52.0	59.6	77.3
14:00	51.0	45.3	46.2	47.3	49.4	53.1	58.8	67.8
15:00	50.2	43.6	45.5	47.1	49.4	52.4	56.2	63.5
16:00	49.4	39.7	42.6	44.7	47.6	51.6	57.2	68.0
17:00	49.2	41.1	42.7	45.0	48.0	51.6	55.4	63.2
18:00	49.7	40.2	42.7	44.8	48.1	52.0	55.5	70.3
19:00	51.4	43.3	46.1	48.5	50.7	53.5	55.9	63.7
20:00	50.6	44.7	46.3	47.8	49.9	52.3	55.7	67.1
21:00	49.1	43.0	44.5	45.9	48.2	51.5	54.3	64.6
22:00	46.8	40.8	42.5	43.8	45.7	48.6	53.1	64.6
23:00	47.7	40.9	42.5	44.0	45.8	50.1	55.8	65.8

Overall L_{eq}: 48.7

L_{eq} (day*): 49.8
L_{eq} (night): 45.8**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 3 - 7 Cricket Hill Road

Cricket Valley Energy Center
Saturday, September 19, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	44.7	35.9	37.5	39.5	42.3	46.4	53.4	64.6
01:00	48.8	36.6	38.6	41.7	46.1	51.9	57.5	63.6
02:00	46.8	34.9	36.0	39.8	44.8	49.8	54.2	63.6
03:00	46.3	33.3	34.9	38.5	44.1	49.8	53.8	63.0
04:00	48.7	37.6	39.9	42.8	46.8	51.7	56.3	70.0
05:00	47.1	30.5	32.9	36.5	44.9	50.4	55.2	63.5
06:00	45.9	28.9	31.6	34.9	42.0	48.5	56.6	65.3
07:00	46.9	30.7	35.1	39.0	44.4	49.8	55.9	65.9
08:00	49.2	37.2	40.0	42.5	47.2	51.6	57.1	67.6
09:00	50.4	39.5	41.9	44.6	48.6	53.2	57.7	70.6
10:00	49.0	37.5	40.1	43.3	47.4	51.7	56.9	68.2
11:00	50.8	39.6	41.4	43.5	47.3	52.9	59.3	73.5
12:00	50.8	39.6	42.6	46.0	49.7	53.3	56.9	67.1
13:00	51.9	44.6	46.1	47.9	50.9	54.6	57.5	64.1
14:00	50.8	44.2	45.7	47.3	49.9	53.2	56.3	66.1
15:00	50.4	43.8	45.1	46.7	49.4	52.9	56.2	61.7
16:00	48.3	40.4	42.2	44.1	46.9	50.5	54.5	68.8
17:00	46.6	35.9	38.5	41.3	44.6	49.4	54.6	60.6
18:00	45.9	32.1	35.6	38.4	43.7	49.0	54.9	62.0
19:00	45.2	32.1	34.2	38.1	42.8	48.5	53.4	65.8
20:00	46.4	31.4	33.8	38.7	42.9	48.4	54.6	69.1
21:00	42.9	27.0	30.1	34.1	40.1	46.1	52.0	61.9
22:00	42.4	28.7	31.4	34.2	39.6	45.8	51.6	60.1
23:00	43.2	26.8	28.5	30.8	37.3	44.1	53.2	69.8

Overall L_{eq}: 48.2

L_{eq} (day*): 49.0
L_{eq} (night): 46.5**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 3 - 7 Cricket Hill Road

Cricket Valley Energy Center
Sunday, September 20, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	40.1	23.5	24.5	26.7	34.2	42.1	51.5	63.8
01:00	40.2	23.6	25.5	28.6	33.4	41.9	51.6	67.7
02:00	39.1	23.1	24.7	26.7	31.1	41.4	50.7	59.2
03:00	35.1	23.4	24.5	26.5	29.6	37.2	46.9	57.9
04:00	36.7	25.7	27.4	30.1	34.2	39.6	45.6	57.5
05:00	42.1	26.0	27.6	29.9	34.4	42.9	51.3	69.8
06:00	42.8	31.0	32.3	34.2	39.2	46.0	53.2	57.9
07:00	45.2	33.3	34.4	36.9	41.5	47.7	55.7	71.0
08:00	45.3	34.0	35.8	39.2	42.8	48.1	53.9	61.8
09:00	46.8	30.2	32.6	35.7	40.9	47.8	54.2	74.0
10:00	45.9	32.6	33.9	36.5	41.3	48.3	55.2	72.7
11:00	44.9	34.2	36.0	37.8	42.0	48.0	53.7	64.3
12:00	47.1	39.4	40.5	42.1	45.9	49.7	54.5	61.5
13:00	50.8	41.2	42.7	43.7	45.8	50.6	60.9	74.7
14:00	47.4	38.9	40.7	42.5	44.9	49.4	55.0	68.2
15:00	46.0	39.4	40.7	42.2	44.6	48.7	53.2	57.6
16:00	47.3	38.3	40.1	41.7	44.4	48.9	55.2	71.2
17:00	47.2	36.7	39.9	41.8	45.0	49.6	56.3	67.9
18:00	46.9	37.4	40.0	41.9	45.0	49.5	55.2	62.0
19:00	49.7	37.1	40.1	43.3	46.8	53.6	56.6	62.7
20:00	50.3	35.1	38.1	41.0	46.2	54.8	56.3	65.8
21:00	48.5	27.9	32.3	37.0	43.4	53.8	55.4	59.0
22:00	45.8	24.3	25.8	30.3	38.5	51.5	54.6	59.8
23:00	41.6	25.6	27.4	29.9	35.6	43.6	52.9	62.5

Overall L_{eq}: 46.2

L_{eq} (day*): 47.7
L_{eq} (night): 41.4**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 3 - 7 Cricket Hill Road

Cricket Valley Energy Center
Monday, September 21, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	38.6	24.1	25.7	28.4	33.4	41.9	49.2	57.4
01:00	37.7	23.3	24.7	25.8	30.4	40.2	49.4	60.0
02:00	35.8	23.2	24.3	25.7	28.3	37.2	47.7	58.5
03:00	37.2	25.2	26.8	29.3	33.4	39.6	48.0	54.4
04:00	42.5	31.6	34.5	36.8	41.8	44.9	49.3	61.7
05:00	45.0	39.4	40.4	42.1	44.1	47.1	51.1	58.1
06:00	46.7	41.0	42.0	43.1	45.2	48.9	54.1	61.4
07:00	47.3	35.0	37.8	40.2	44.6	50.9	55.7	63.2
08:00	46.9	35.5	37.1	39.6	44.2	50.1	55.2	66.5
09:00	45.7	30.8	33.8	37.0	42.3	49.0	54.4	64.3
10:00	45.6	33.0	34.6	36.7	41.5	49.0	55.7	62.1
11:00	45.6	35.8	37.3	38.8	42.7	48.6	54.7	65.0
12:00	47.6	39.3	40.7	43.1	46.0	49.7	55.3	64.3
13:00	48.6	43.7	45.0	46.0	47.4	50.1	56.0	67.5
14:00	49.3	43.1	44.5	45.4	47.3	51.7	58.1	64.1
15:00	48.6	42.8	44.0	45.2	47.1	50.8	55.0	66.5
16:00	50.0	41.2	42.8	44.7	46.9	50.3	55.2	78.2
17:00	48.0	37.8	41.9	43.6	45.9	50.4	56.4	65.9
18:00	46.9	36.9	39.7	41.8	45.1	49.9	54.2	61.8
19:00	51.4	40.6	42.7	46.2	49.5	54.6	57.0	65.0
20:00	50.7	40.9	43.3	45.0	48.6	54.2	55.7	60.5
21:00	49.8	38.1	40.1	42.0	45.6	54.4	56.2	60.7
22:00	49.3	32.8	35.9	38.4	43.0	54.5	55.8	66.9
23:00	48.6	31.6	33.5	36.0	40.4	53.8	56.0	67.6

Overall L_{eq}: 47.5

L_{eq} (day*): 48.5
L_{eq} (night): 44.9**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 3 - 7 Cricket Hill Road

Cricket Valley Energy Center
Tuesday, September 22, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	47.0	28.8	31.2	33.4	37.9	53.0	55.3	61.8
01:00	46.4	29.9	31.8	33.9	37.6	52.5	54.9	58.1
02:00	46.6	34.8	36.5	37.5	39.2	52.5	55.0	58.5
03:00	42.7	35.8	37.5	38.6	40.0	44.8	51.3	63.8
04:00	44.2	36.8	38.6	39.7	41.6	48.1	51.7	54.3
05:00	43.9	35.7	37.6	39.9	42.2	46.7	51.1	56.8
06:00	46.3	36.3	38.0	40.6	44.5	49.4	53.8	58.8
07:00	49.1	36.0	38.7	41.4	46.3	52.2	58.1	66.4
08:00	46.5	34.0	36.4	38.7	43.2	49.8	55.6	63.9
09:00	46.3	34.5	35.8	38.1	42.5	49.3	56.3	67.8
10:00	45.3	36.1	37.2	39.4	43.3	48.6	52.6	61.5
11:00	48.0	41.9	43.0	44.5	46.6	50.5	54.4	62.4
12:00	48.0	41.5	43.8	45.0	46.8	49.9	55.2	66.1
13:00	48.2	41.8	42.8	44.3	46.9	50.3	56.0	63.6
14:00	49.2	41.5	43.7	44.8	46.8	51.3	56.8	72.1
15:00	48.5	41.7	43.4	44.8	46.6	50.7	56.4	66.9
16:00	49.1	41.8	43.4	45.0	47.0	50.9	56.4	69.6
17:00	47.7	37.7	39.6	42.3	45.5	50.4	56.4	63.6
18:00	48.1	39.7	40.9	43.3	46.4	49.9	55.4	66.9
19:00	54.3	47.4	48.8	51.2	53.4	56.5	59.5	65.7
20:00	53.3	47.2	48.5	49.4	51.9	56.0	57.1	63.6
21:00	52.6	46.7	47.9	48.7	50.8	55.5	56.8	62.2
22:00	51.9	46.1	47.2	48.0	49.7	55.1	56.0	64.5
23:00	51.1	45.1	46.3	47.2	48.8	54.3	55.6	71.5

Overall L_{eq}: 49.1

L_{eq} (day*): 49.8
L_{eq} (night): 47.7**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 3 - 7 Cricket Hill Road

Cricket Valley Energy Center
Wednesday, September 23, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	51.1	45.5	46.7	47.5	49.0	54.4	55.5	60.5
01:00	51.1	46.0	47.0	47.7	49.0	54.3	55.3	64.5
02:00	50.8	45.5	46.8	47.5	48.9	54.1	55.2	66.2
03:00	50.1	44.7	45.9	46.8	48.1	53.6	54.9	56.6
04:00	49.3	42.2	43.5	45.9	47.5	52.8	54.8	64.1
05:00	47.3	39.7	41.0	43.0	45.2	49.8	54.5	65.7
06:00	47.3	36.8	39.4	41.5	44.7	49.6	56.3	67.7
07:00	49.1	36.8	39.6	42.0	45.6	51.6	58.8	71.4
08:00	49.6	36.8	39.1	41.9	45.4	51.0	59.5	73.1
09:00	47.5	36.0	37.6	40.2	43.9	50.0	55.8	74.1
10:00	45.9	37.0	39.6	41.1	43.9	48.5	53.4	66.5
11:00	48.1	40.7	42.8	44.3	46.2	49.7	56.7	65.7
12:00	47.9	42.5	43.5	44.7	46.6	50.1	54.2	64.2
13:00	46.7	40.1	41.7	43.2	45.3	48.9	53.7	61.8
14:00								
15:00								
16:00								
17:00								
18:00								
19:00								
20:00								
21:00								
22:00								
23:00								

Overall L_{eq}: 49.0

L_{eq} (day*): 48.0
L_{eq} (night): 49.8**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 4 - 2238 SR-22

Cricket Valley Energy Center
Wednesday, September 16, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00								
01:00								
02:00								
03:00								
04:00								
05:00								
06:00								
07:00								
08:00								
09:00								
10:00								
11:00								
12:00								
13:00								
14:00	63.2	36.5	37.7	40.6	51.0	65.9	75.5	88.7
15:00	62.9	37.2	38.7	41.5	51.9	65.9	75.2	88.2
16:00	62.0	38.0	39.4	43.4	53.7	65.7	72.9	83.5
17:00	61.2	35.2	37.3	41.4	51.9	65.5	71.7	81.4
18:00	60.3	33.9	35.7	39.7	49.9	64.5	71.2	84.2
19:00	60.6	33.8	36.4	39.7	46.4	62.8	69.6	90.5
20:00	57.9	37.6	39.1	40.9	44.5	60.8	69.1	82.2
21:00	54.9	34.8	37.2	38.5	41.2	56.6	66.8	80.1
22:00	54.4	33.4	35.1	37.0	39.2	52.0	66.3	79.9
23:00	52.3	31.2	33.0	34.5	38.1	50.1	65.1	77.3

Overall L_{eq}: 60.2

L_{eq} (day*): 61.0
L_{eq} (night): 53.5**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 4 - 2238 SR-22

Cricket Valley Energy Center
Thursday, September 17, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	53.2	30.8	32.3	33.8	36.7	45.4	65.1	81.7
01:00	51.2	29.2	30.7	32.8	35.4	39.3	60.2	81.5
02:00	52.6	24.9	26.3	27.4	29.5	36.1	59.1	81.8
03:00	53.0	25.5	26.7	28.2	31.1	40.6	62.4	81.3
04:00	58.6	25.9	27.0	30.2	37.0	52.5	70.9	84.2
05:00	60.6	23.4	25.2	29.8	40.9	61.3	73.7	84.8
06:00	61.9	29.5	31.9	38.7	49.3	66.0	73.6	83.2
07:00	63.5	33.1	36.1	41.2	52.9	66.8	74.9	87.3
08:00	64.1	34.3	37.8	42.2	52.1	66.7	76.2	88.1
09:00	63.2	30.3	33.4	39.3	50.2	65.5	76.2	85.9
10:00	63.7	27.3	32.9	38.1	47.9	65.1	76.4	89.1
11:00	62.0	27.4	31.7	37.4	48.3	64.5	73.9	88.0
12:00	63.3	38.8	41.1	44.3	51.7	66.6	75.7	85.2
13:00	63.5	32.2	37.0	41.6	51.4	66.8	74.9	86.9
14:00	63.8	31.6	38.4	47.1	57.3	66.9	75.5	83.9
15:00	63.1	33.2	36.3	42.4	54.1	66.1	74.8	85.6
16:00	62.1	33.3	37.7	42.7	53.5	65.7	72.8	85.0
17:00	62.7	34.5	39.4	43.8	54.7	66.2	71.7	87.6
18:00	60.3	27.8	31.6	38.4	49.8	64.9	70.8	79.8
19:00	59.0	27.1	31.5	37.5	47.2	63.3	69.2	81.3
20:00	56.3	22.8	26.7	34.0	43.1	61.2	67.4	76.1
21:00	54.4	22.0	25.8	30.3	38.9	56.4	66.4	75.5
22:00	54.7	19.4	21.6	27.6	36.9	55.1	66.6	78.2
23:00	54.1	18.1	20.1	23.6	32.7	50.7	66.0	80.1

Overall L_{eq}: 61.0

L_{eq} (day*): 62.3
L_{eq} (night): 57.2**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 4 - 2238 SR-22

Cricket Valley Energy Center
Friday, September 18, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	54.1	17.3	18.1	19.9	26.7	45.2	65.3	82.3
01:00	55.8	17.1	18.1	19.6	29.4	46.7	66.2	86.0
02:00	55.2	18.4	19.2	20.1	26.0	42.6	63.6	84.0
03:00	55.4	18.8	19.5	20.5	27.2	44.3	66.0	81.5
04:00	58.8	22.4	23.7	25.8	38.7	54.0	71.4	83.0
05:00	60.1	26.5	28.2	33.4	42.3	61.2	73.3	84.0
06:00	62.2	35.1	36.5	40.8	50.3	66.0	73.9	83.5
07:00	64.1	34.7	38.6	42.5	53.5	66.9	75.5	89.9
08:00	63.3	31.0	33.7	39.5	51.1	66.4	75.3	87.0
09:00	61.8	32.3	34.2	39.1	48.9	64.9	74.6	82.6
10:00	60.3	35.5	37.6	42.0	50.4	64.1	71.4	81.6
11:00	61.8	33.8	37.1	42.1	50.7	64.6	74.4	83.0
12:00	62.3	38.6	40.9	44.3	52.1	65.0	74.6	86.6
13:00	62.8	37.2	40.0	43.7	51.8	65.1	75.1	85.0
14:00	62.1	38.9	40.6	44.6	52.8	64.9	73.8	87.1
15:00	61.9	37.4	41.2	45.4	53.9	65.5	73.3	81.0
16:00	62.1	39.3	40.9	44.5	54.9	65.7	72.6	84.2
17:00	61.4	38.4	40.6	44.0	53.4	65.4	71.8	80.0
18:00	59.5	35.7	40.1	42.9	50.9	64.2	68.8	80.9
19:00	59.1	39.6	42.1	44.8	49.4	63.5	69.7	80.5
20:00	58.5	40.4	41.7	43.1	47.7	63.0	68.6	83.0
21:00	56.8	37.8	39.1	40.4	46.0	61.5	67.6	77.7
22:00	55.4	36.4	37.7	38.9	43.4	59.7	66.5	76.3
23:00	52.9	33.7	35.2	36.6	41.0	53.0	65.1	76.7

Overall L_{eq}: 60.5

L_{eq} (day*): 61.6
L_{eq} (night): 57.7**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 4 - 2238 SR-22

Cricket Valley Energy Center
Saturday, September 19, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	56.5	28.9	30.7	33.0	37.8	48.7	65.5	91.7
01:00	49.5	28.2	29.8	34.8	40.1	47.1	62.6	74.4
02:00	52.4	30.2	31.6	34.3	38.5	46.0	63.1	82.7
03:00	50.2	29.2	31.5	34.1	39.2	46.0	62.4	79.1
04:00	52.5	32.5	34.5	37.7	42.2	49.2	65.7	80.4
05:00	58.1	25.2	26.4	32.1	40.0	53.1	69.9	85.5
06:00	57.8	24.7	26.9	30.6	41.6	58.0	70.0	82.9
07:00	59.0	26.2	31.1	38.1	46.9	63.2	70.8	79.3
08:00	60.5	31.0	35.5	40.3	49.2	64.8	71.5	80.5
09:00	60.3	34.7	37.7	42.7	50.6	64.7	70.1	81.7
10:00	59.9	36.6	38.9	42.0	51.4	64.4	69.9	81.1
11:00	60.4	35.0	38.0	42.4	52.1	64.5	71.2	79.5
12:00	60.3	36.9	39.5	44.1	52.2	64.3	70.9	80.5
13:00	59.8	35.7	39.5	43.6	50.9	64.1	70.2	79.2
14:00	59.4	37.0	39.6	43.4	50.9	63.8	69.5	78.0
15:00	61.9	37.5	38.9	43.2	51.0	64.5	71.2	92.6
16:00	59.9	34.2	36.4	41.2	50.4	64.6	69.8	81.1
17:00	59.8	31.1	34.6	40.2	50.5	64.6	69.8	82.1
18:00	58.8	26.5	31.7	38.6	47.4	63.6	69.3	81.2
19:00	58.0	25.5	30.3	36.8	45.6	62.3	68.6	81.5
20:00	58.0	26.0	31.0	36.9	45.0	62.0	68.7	82.1
21:00	55.7	23.3	26.7	32.5	41.2	59.1	67.4	81.2
22:00	54.4	22.1	23.7	30.1	39.4	55.9	66.8	76.7
23:00	52.3	22.3	24.7	28.9	36.4	53.6	65.6	74.0

Overall L_{eq}: 58.4

L_{eq} (day*): 59.6
L_{eq} (night): 54.7**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 4 - 2238 SR-22

Cricket Valley Energy Center
Sunday, September 20, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	50.7	18.0	19.2	22.2	32.6	48.2	64.8	75.2
01:00	51.1	19.8	21.1	23.1	30.7	46.2	64.0	78.6
02:00	50.1	20.3	21.4	22.7	26.9	43.7	60.0	81.8
03:00	47.3	18.8	20.0	21.2	24.6	37.8	58.4	78.1
04:00	47.8	18.5	19.9	21.4	26.8	39.9	62.9	70.8
05:00	51.9	19.9	22.1	24.6	31.2	46.1	65.8	78.5
06:00	54.6	22.4	25.6	28.2	37.1	52.8	67.3	82.9
07:00	56.5	26.3	28.3	33.2	40.7	57.6	69.3	81.7
08:00	58.5	30.6	32.7	36.8	45.9	63.2	69.9	78.3
09:00	58.6	23.2	26.2	35.0	46.5	63.0	69.5	79.5
10:00	58.7	26.5	29.4	36.6	48.3	63.8	68.9	75.6
11:00	60.1	29.0	34.0	39.3	50.3	64.5	69.9	83.3
12:00	60.0	32.5	34.4	40.3	51.0	64.5	70.1	79.4
13:00	60.0	33.8	35.5	40.0	50.3	64.2	70.6	81.1
14:00	60.6	33.5	36.6	40.6	50.2	64.5	71.0	81.6
15:00	61.6	34.9	37.4	41.3	51.5	65.1	72.4	85.3
16:00	60.7	36.6	38.5	41.5	52.3	65.2	70.0	81.4
17:00	63.2	37.8	39.5	43.0	53.1	65.5	72.2	96.1
18:00	60.6	35.2	37.3	40.9	50.4	65.1	70.2	81.3
19:00	59.9	33.2	36.5	40.2	48.9	64.3	69.5	81.2
20:00	57.5	28.5	31.7	36.9	44.0	62.2	68.8	78.3
21:00	56.6	22.5	24.4	31.3	40.9	59.2	68.2	81.0
22:00	54.1	20.6	22.1	24.8	36.6	54.1	67.0	81.3
23:00	52.5	20.0	21.6	25.0	34.6	50.7	64.9	82.0

Overall L_{eq}: 58.2

L_{eq} (day*): 59.9
L_{eq} (night): 51.7**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 4 - 2238 SR-22

Cricket Valley Energy Center
Monday, September 21, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	50.9	17.7	19.2	21.4	29.3	43.7	63.4	80.9
01:00	54.5	17.2	18.1	19.3	26.0	42.5	64.0	82.6
02:00	48.1	17.2	18.3	19.4	22.5	36.2	53.6	79.1
03:00	56.4	18.7	20.0	21.8	25.7	42.2	67.3	82.6
04:00	57.2	20.0	22.2	24.1	32.7	51.7	69.3	84.4
05:00	60.2	22.5	24.9	29.7	40.9	61.1	73.2	85.3
06:00	61.3	25.0	30.5	36.2	48.4	65.6	73.0	80.3
07:00	62.6	29.2	31.3	37.5	52.0	66.4	73.9	82.8
08:00	64.5	26.7	29.7	38.5	51.7	66.8	76.5	89.1
09:00	63.1	25.4	30.2	36.9	48.5	65.3	75.8	87.4
10:00	61.1	29.7	32.8	37.0	47.0	64.0	73.3	83.7
11:00	63.4	30.4	33.4	38.1	48.7	64.3	75.0	94.6
12:00	62.5	32.8	34.9	39.0	49.1	64.5	74.3	90.8
13:00	61.9	35.1	37.4	40.8	49.8	65.0	74.1	84.2
14:00	62.6	36.2	37.6	40.9	50.8	64.8	75.4	87.0
15:00	62.5	36.4	38.6	43.0	53.0	65.6	73.6	86.4
16:00	61.9	37.9	39.1	42.3	52.4	65.7	73.2	80.4
17:00	61.3	36.1	38.5	42.5	52.0	65.6	72.1	82.7
18:00	59.7	37.1	38.7	41.3	48.7	64.0	70.9	79.8
19:00	57.8	34.9	37.3	40.2	46.4	62.3	68.7	79.6
20:00	57.0	31.0	33.5	37.6	44.2	60.9	67.9	80.4
21:00	55.6	29.4	30.7	33.1	39.3	54.9	66.8	80.8
22:00	53.2	25.0	26.2	28.0	35.6	51.5	65.2	81.7
23:00	51.9	21.8	22.9	25.4	35.4	51.1	65.2	78.1

Overall L_{eq}: 60.4

L_{eq} (day*): 61.7
L_{eq} (night): 56.7**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 4 - 2238 SR-22

Cricket Valley Energy Center
Tuesday, September 22, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	51.5	20.1	21.0	22.3	28.1	46.1	64.4	79.6
01:00	51.4	19.6	21.3	22.2	24.7	41.5	60.9	82.4
02:00	53.1	20.6	21.8	22.5	24.1	39.5	60.3	81.6
03:00	56.3	20.8	22.0	23.0	25.9	43.1	66.8	83.0
04:00	58.1	22.9	24.3	26.0	34.9	51.6	71.7	82.4
05:00	60.1	23.7	26.2	31.0	41.1	61.3	73.2	84.9
06:00	62.5	31.8	34.9	40.0	49.4	65.6	74.8	87.3
07:00	68.7	35.2	37.4	42.3	53.4	66.7	75.5	103.5
08:00	62.9	29.7	33.2	38.0	49.8	66.2	75.4	83.6
09:00	62.9	31.1	34.4	38.1	49.7	65.4	75.9	84.5
10:00	63.4	31.4	33.6	37.6	48.3	64.9	76.9	87.3
11:00	63.6	32.1	33.6	39.6	50.7	65.4	76.7	86.9
12:00	62.7	35.0	36.4	39.7	49.2	64.7	74.7	89.5
13:00	62.9	33.4	36.5	39.8	49.6	65.2	75.1	89.4
14:00	62.4	34.6	36.6	41.5	50.7	65.4	74.4	87.4
15:00	62.0	33.0	36.1	40.8	52.0	65.2	73.5	83.8
16:00	61.6	36.3	37.7	41.2	52.9	65.4	72.6	81.1
17:00	62.0	35.4	37.7	41.2	52.0	65.3	71.8	90.6
18:00	59.9	36.6	38.2	40.2	48.9	64.2	71.1	79.8
19:00	58.7	41.0	42.8	46.1	49.0	62.3	69.3	87.3
20:00	56.2	40.9	42.6	43.8	46.1	58.1	67.4	80.9
21:00	56.5	40.0	41.5	42.6	45.0	57.9	67.4	81.5
22:00	52.0	38.6	39.7	40.4	41.7	50.0	64.9	76.0
23:00	53.1	38.1	39.1	40.2	42.1	51.3	65.3	81.3

Overall L_{eq}: 61.4

L_{eq} (day*): 62.8
L_{eq} (night): 57.2**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 4 - 2238 SR-22

Cricket Valley Energy Center
Wednesday, September 23, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	52.4	37.6	38.8	39.5	40.5	47.2	63.9	81.8
01:00	53.1	37.6	39.1	39.9	40.8	42.9	61.6	83.3
02:00	53.8	37.9	39.1	39.8	40.6	42.1	60.4	83.6
03:00	56.4	38.1	39.2	39.8	40.9	44.5	65.5	84.6
04:00	59.8	34.2	35.5	38.5	41.3	53.4	74.1	84.1
05:00	60.1	33.6	34.9	36.8	42.9	61.2	73.0	83.0
06:00	61.9	36.2	37.8	40.7	50.4	65.7	74.0	82.5
07:00	62.6	33.5	35.7	39.6	51.2	66.0	74.7	86.3
08:00	63.0	32.5	34.7	40.0	51.0	66.0	75.3	87.3
09:00	62.8	30.6	34.0	39.6	49.7	65.3	75.3	88.0
10:00	61.9	28.6	32.6	37.0	47.2	64.2	74.4	87.3
11:00	61.3	31.9	33.9	38.8	48.7	64.2	73.6	83.9
12:00	63.4	32.7	35.5	40.0	49.6	65.3	75.6	89.5
13:00	62.6	30.0	33.3	38.9	49.1	64.9	74.4	91.7
14:00								
15:00								
16:00								
17:00								
18:00								
19:00								
20:00								
21:00								
22:00								
23:00								

Overall L_{eq}: 60.9

L_{eq} (day*): 62.6
L_{eq} (night): 58.2**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 5 - North Chippawalla Road

Cricket Valley Energy Center
Wednesday, September 16, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00								
01:00								
02:00								
03:00								
04:00								
05:00								
06:00								
07:00								
08:00								
09:00								
10:00								
11:00								
12:00								
13:00								
14:00	59.7	37.1	39.5	45.1	55.1	63.8	69.5	75.1
15:00	59.3	39.3	41.0	45.0	55.4	62.8	68.9	77.1
16:00	58.6	38.2	40.0	46.7	56.0	62.2	67.0	72.1
17:00	57.7	36.8	38.9	45.2	55.3	61.2	66.5	73.7
18:00	56.9	35.7	38.1	43.3	54.0	60.5	65.7	73.8
19:00	56.6	38.4	40.3	46.4	52.1	59.4	67.0	79.5
20:00	55.4	41.8	43.8	45.3	49.3	58.5	66.0	75.7
21:00	52.6	40.5	42.1	43.6	47.7	56.6	61.8	70.6
22:00	51.7	38.0	40.0	41.6	45.5	55.0	63.3	72.0
23:00	50.6	35.4	37.6	39.4	43.7	53.8	62.1	71.1

Overall L_{eq}: 56.8

L_{eq} (day*): 57.6
L_{eq} (night): 51.2**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 5 - North Chippawalla Road

Cricket Valley Energy Center
Thursday, September 17, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	50.1	34.3	35.8	37.5	40.5	50.4	61.5	72.4
01:00	48.6	33.5	35.0	36.1	38.4	45.1	60.6	73.5
02:00	48.1	30.5	31.4	32.3	35.0	42.5	60.3	71.4
03:00	49.1	30.5	31.7	32.7	34.3	43.6	60.4	74.3
04:00	54.4	28.4	30.0	31.9	37.7	55.6	68.7	75.5
05:00	56.8	26.7	27.9	32.9	45.9	59.1	69.1	76.8
06:00	58.1	35.3	37.4	42.0	53.3	61.9	68.0	74.9
07:00	59.7	35.5	38.4	44.8	55.8	63.1	70.0	76.5
08:00	60.1	37.4	39.9	45.1	55.9	63.9	70.4	77.5
09:00	59.8	33.7	36.1	43.5	54.4	63.5	70.3	78.9
10:00	59.5	32.0	36.3	41.5	53.0	62.8	70.2	82.5
11:00	58.4	31.6	36.2	42.0	52.9	61.8	69.2	73.7
12:00	59.7	40.9	42.4	46.8	55.0	63.3	70.0	75.6
13:00	59.9	31.4	36.1	43.8	55.2	63.7	70.0	75.6
14:00	59.8	36.8	39.4	45.1	55.9	63.5	69.6	74.0
15:00	59.6	38.7	40.6	46.4	56.0	63.4	69.5	76.0
16:00	58.7	33.9	37.6	45.0	55.8	62.0	67.9	74.0
17:00	59.1	34.9	40.5	47.4	56.7	62.2	67.0	81.2
18:00	57.5	33.9	36.3	43.4	53.9	61.0	66.9	73.1
19:00	55.8	31.0	34.3	41.2	51.7	59.1	66.2	74.1
20:00	53.6	30.9	33.5	39.0	48.4	57.8	63.2	71.0
21:00	52.3	25.0	27.6	33.4	44.3	56.3	62.9	72.0
22:00	51.9	23.7	25.4	29.7	41.5	56.2	62.5	71.1
23:00	51.5	20.8	22.3	25.6	37.3	54.6	64.6	73.4

Overall L_{eq}: 57.4

L_{eq} (day*): 58.7
L_{eq} (night): 53.5**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 5 - North Chippawalla Road

Cricket Valley Energy Center
Friday, September 18, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	50.3	18.9	20.1	21.4	28.7	49.4	64.4	72.4
01:00	52.1	19.3	20.6	22.3	31.3	50.5	65.8	76.3
02:00	51.4	20.3	21.4	22.5	28.2	47.3	65.2	75.4
03:00	51.5	20.1	21.5	22.5	28.7	48.9	67.1	74.1
04:00	55.5	23.2	24.8	27.2	40.5	57.8	68.7	75.7
05:00	56.3	24.9	26.3	33.5	47.2	59.0	68.3	77.5
06:00	58.6	34.7	37.3	43.8	54.4	62.0	68.6	75.6
07:00	60.8	36.6	41.6	48.0	57.1	63.9	71.0	79.1
08:00	59.8	32.6	37.5	44.4	55.1	63.5	70.5	76.2
09:00	58.6	32.5	35.4	42.1	54.1	61.8	69.2	74.3
10:00	57.9	32.0	37.1	44.0	53.6	61.0	68.4	81.3
11:00	58.8	38.4	40.9	44.9	54.0	62.4	69.3	75.5
12:00	59.4	38.1	40.1	45.2	55.3	62.5	69.8	80.4
13:00	59.4	36.6	39.6	44.4	54.8	63.1	70.1	78.9
14:00	59.3	36.8	38.8	45.6	55.3	63.0	68.6	84.2
15:00	58.8	40.2	41.8	46.9	55.7	62.3	68.0	74.8
16:00	58.8	36.7	40.0	47.4	56.6	62.2	67.3	73.9
17:00	58.0	37.1	39.8	46.1	55.6	61.4	66.7	74.4
18:00	56.4	37.2	40.5	44.8	53.8	60.0	64.5	72.9
19:00	56.9	42.9	45.4	49.6	53.8	60.2	65.4	77.1
20:00	56.7	43.9	45.7	47.6	52.2	60.1	65.2	77.5
21:00	54.7	39.7	42.2	44.8	50.5	58.6	63.5	74.2
22:00	53.2	38.7	40.3	42.1	46.9	57.6	62.2	68.4
23:00	51.2	36.4	38.1	39.9	43.8	55.5	61.8	71.2

Overall L_{eq}: 57.4

L_{eq} (day*): 58.5
L_{eq} (night): 54.3**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 5 - North Chippawalla Road

Cricket Valley Energy Center
Saturday, September 19, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	52.0	30.5	32.8	35.2	39.7	52.8	63.2	80.0
01:00	46.9	29.7	31.4	33.0	37.6	48.2	59.4	65.6
02:00	48.3	26.8	28.0	30.4	34.9	46.6	59.2	73.4
03:00	46.5	28.4	29.1	30.3	34.9	45.3	58.6	71.9
04:00	48.3	28.6	30.2	34.4	40.5	50.8	60.3	71.5
05:00	53.8	26.1	28.3	34.7	42.0	55.4	67.3	75.2
06:00	54.3	25.8	27.9	31.5	44.7	58.1	65.3	74.2
07:00	55.6	30.7	34.9	39.0	50.3	59.6	65.1	74.4
08:00	57.2	33.3	35.6	41.0	51.8	60.8	66.7	75.2
09:00	57.0	35.2	38.1	43.5	53.1	60.3	67.4	79.9
10:00	56.5	36.3	38.1	42.0	53.3	60.3	64.8	73.2
11:00	58.6	32.9	38.0	44.6	54.6	60.8	67.6	81.6
12:00	57.3	36.4	39.0	45.1	54.4	60.5	65.8	77.3
13:00	56.6	36.8	40.9	45.2	53.4	60.3	64.9	74.5
14:00	56.0	39.1	40.6	43.9	53.3	59.5	64.5	75.8
15:00	58.4	35.8	39.9	44.9	53.7	60.3	66.8	85.6
16:00	56.3	35.9	38.0	42.7	53.3	60.2	65.0	69.2
17:00	56.6	36.2	38.2	43.8	53.5	60.4	65.0	77.0
18:00	55.5	32.6	35.4	41.0	51.7	59.5	63.9	70.1
19:00	55.2	33.0	35.6	40.4	50.3	58.3	65.0	79.8
20:00	58.9	28.5	33.7	39.6	49.3	58.6	64.8	87.9
21:00	52.9	26.9	29.6	35.0	46.7	57.4	62.2	76.2
22:00	52.0	24.3	27.3	32.7	44.5	56.5	62.3	68.6
23:00	50.9	25.7	28.0	31.0	40.9	55.1	60.4	73.6

Overall L_{eq}: 55.4

L_{eq} (day*): 56.8
L_{eq} (night): 51.2**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 5 - North Chippawalla Road

Cricket Valley Energy Center
Sunday, September 20, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	48.3	20.5	21.9	24.0	34.9	52.3	59.8	68.3
01:00	48.9	20.7	22.4	24.2	32.2	49.5	60.6	75.1
02:00	48.6	20.3	21.9	23.2	27.6	46.3	58.5	76.5
03:00	43.4	20.1	21.3	22.3	24.6	41.5	56.8	68.6
04:00	44.7	19.5	21.0	22.4	28.5	46.2	57.6	64.8
05:00	49.0	21.9	23.1	25.1	32.8	49.7	61.8	72.4
06:00	50.5	23.0	24.8	29.9	40.0	54.9	61.6	70.3
07:00	53.5	27.2	29.9	35.5	44.6	57.2	65.0	76.2
08:00	55.2	29.6	31.6	38.2	50.0	59.7	64.0	68.9
09:00	55.9	23.5	26.3	36.2	50.1	59.3	65.5	81.7
10:00	55.2	26.0	29.5	38.4	51.7	59.5	63.0	69.4
11:00	56.9	30.6	34.9	42.8	53.7	60.1	66.3	77.8
12:00	57.4	33.5	36.4	43.0	54.2	60.3	65.3	80.9
13:00	56.5	33.3	37.6	42.7	53.4	59.8	65.7	76.2
14:00	57.3	35.6	37.6	43.2	53.6	60.5	67.0	75.7
15:00	58.1	34.9	37.3	43.1	53.9	60.5	68.9	77.3
16:00	57.1	31.6	33.5	43.7	54.9	60.5	65.7	72.3
17:00	58.3	33.8	36.8	44.3	55.3	60.8	68.2	78.0
18:00	58.3	35.5	37.9	44.1	53.9	60.2	65.9	88.9
19:00	56.9	35.8	38.7	43.8	53.1	59.9	66.8	81.2
20:00	55.0	34.0	36.6	40.5	49.5	58.5	64.6	73.2
21:00	54.0	25.9	27.6	32.7	46.6	57.6	63.9	80.5
22:00	51.2	24.0	25.8	27.7	41.1	55.8	61.7	72.1
23:00	50.4	22.3	23.7	27.1	38.1	53.3	61.4	77.1

Overall L_{eq}: 55.0

L_{eq} (day*): 56.6
L_{eq} (night): 48.9**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 5 - North Chippawalla Road

Cricket Valley Energy Center
Monday, September 21, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	47.8	20.1	21.5	23.6	31.2	49.0	59.2	71.7
01:00	50.7	19.9	21.5	22.9	28.3	48.3	63.3	75.9
02:00	46.0	21.4	23.1	24.3	26.5	38.8	57.4	71.9
03:00	52.4	24.7	26.0	27.3	30.0	48.6	66.9	78.0
04:00	53.1	25.5	27.0	28.6	36.5	54.9	66.5	73.9
05:00	55.7	27.1	29.4	33.7	46.4	58.9	67.5	74.1
06:00	57.5	28.5	33.6	41.0	53.0	61.3	67.5	74.2
07:00	59.1	32.7	34.7	42.7	55.6	62.3	69.0	77.2
08:00	60.4	31.5	33.8	42.6	55.5	63.7	71.6	76.8
09:00	59.3	28.8	31.9	39.4	53.4	62.3	70.7	78.9
10:00	58.3	33.1	35.0	39.9	51.5	61.7	70.0	76.5
11:00	58.5	30.5	34.0	40.1	52.2	61.8	70.1	74.6
12:00	59.3	33.4	35.8	43.9	53.8	61.8	70.1	80.2
13:00	58.9	33.6	38.2	44.1	54.3	62.8	69.1	75.2
14:00	59.5	35.9	39.8	44.7	54.7	63.1	70.1	75.8
15:00	59.5	36.9	41.0	47.2	56.1	62.4	69.7	77.2
16:00	59.1	36.9	38.9	46.5	56.2	62.7	68.3	79.1
17:00	58.7	35.5	37.4	45.7	55.7	62.3	67.6	73.7
18:00	56.9	33.4	37.2	44.9	53.2	60.4	66.6	73.9
19:00	55.5	37.2	39.5	43.6	51.2	59.2	65.0	75.3
20:00	55.0	34.4	37.4	41.7	49.8	58.4	65.1	74.6
21:00	52.4	32.0	34.9	38.1	44.6	56.0	63.3	70.6
22:00	51.2	28.3	29.7	31.7	39.8	54.4	62.3	73.3
23:00	51.0	25.5	27.0	29.5	38.4	53.6	61.0	79.3

Overall L_{eq}: 57.1

L_{eq} (day*): 58.4
L_{eq} (night): 53.0**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 5 - North Chippawalla Road

Cricket Valley Energy Center
Tuesday, September 22, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	49.4	24.3	25.6	26.7	31.4	52.2	61.1	71.7
01:00	49.1	24.4	25.4	26.5	28.8	45.8	60.5	76.4
02:00	50.8	24.3	25.7	26.7	28.3	42.2	61.9	76.1
03:00	51.9	24.9	26.1	27.1	29.7	48.0	66.8	72.4
04:00	54.6	26.1	27.3	29.8	39.9	56.2	68.7	76.0
05:00	55.9	29.8	31.5	35.2	46.3	58.7	68.3	74.5
06:00	58.8	33.8	38.4	44.2	53.9	62.0	69.4	77.5
07:00	64.2	38.1	41.2	46.7	56.5	63.5	71.1	93.9
08:00	59.6	34.5	36.7	42.8	54.6	63.1	70.2	76.7
09:00	59.4	33.1	35.5	43.1	54.3	63.0	69.7	75.2
10:00	59.8	31.1	33.1	40.3	53.7	62.9	71.1	77.2
11:00	61.0	36.9	39.2	45.2	55.3	63.9	71.5	82.3
12:00	58.9	36.9	39.2	44.4	54.0	62.0	69.5	79.9
13:00	59.6	36.0	38.4	44.0	54.8	63.3	70.4	77.9
14:00	58.9	35.8	38.1	45.0	55.2	62.7	68.6	76.2
15:00	58.9	38.6	40.5	46.4	55.7	62.4	68.1	77.1
16:00	58.7	39.1	41.7	47.7	56.2	62.0	68.1	74.6
17:00	58.7	39.6	40.9	45.7	55.6	62.1	68.1	79.1
18:00	57.3	37.0	39.4	43.6	53.3	60.7	67.4	75.9
19:00	57.2	47.8	50.3	51.9	54.2	59.7	66.4	76.8
20:00	55.0	45.5	47.4	49.0	51.6	57.8	64.1	74.7
21:00	55.3	45.3	46.5	47.7	50.4	58.1	66.3	75.3
22:00	52.6	44.9	46.6	47.5	49.1	55.0	61.1	73.6
23:00	52.2	43.6	45.5	46.7	48.4	55.0	60.9	73.5

Overall L_{eq}: 58.0

L_{eq} (day*): 59.4
L_{eq} (night): 53.9**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Location 5 - North Chippawalla Road

Cricket Valley Energy Center
Wednesday, September 23, 2009

Time	L_{eq}	L_{min}	L_{99}	L_{90}	L_{50}	L_{10}	L_{01}	L_{max}
00:00	51.2	43.1	44.5	45.6	47.0	52.7	61.8	72.5
01:00	51.1	43.0	44.7	45.6	47.0	49.1	60.8	74.8
02:00	50.8	41.3	42.8	43.6	44.8	46.9	61.4	75.5
03:00	52.9	41.1	42.3	43.0	44.1	49.9	67.6	74.7
04:00	56.4	37.4	38.5	41.2	44.8	57.8	69.8	76.4
05:00	56.3	36.8	38.0	39.8	48.0	58.5	68.9	76.6
06:00	58.8	36.5	40.7	45.6	54.4	62.6	68.8	74.3
07:00	59.6	38.9	41.1	46.3	56.0	63.1	69.6	74.7
08:00	59.7	34.9	37.0	43.6	54.7	63.4	70.1	75.4
09:00	59.7	34.1	36.4	45.2	54.9	63.0	70.2	79.6
10:00	58.6	33.7	36.7	42.6	53.1	62.2	69.1	77.4
11:00	58.0	32.8	35.9	41.5	53.6	61.4	68.3	73.4
12:00	59.7	35.9	39.2	44.5	54.3	63.0	70.9	78.3
13:00	58.9	33.2	36.8	43.0	53.8	63.1	68.9	76.9
14:00								
15:00								
16:00								
17:00								
18:00								
19:00								
20:00								
21:00								
22:00								
23:00								

Overall L_{eq}: 57.6

L_{eq} (day*): 59.2
L_{eq} (night): 55.0**

* 7:00 a.m. to 10:00 p.m.
** 10:00 p.m. to 7:00 a.m.

Appendix C

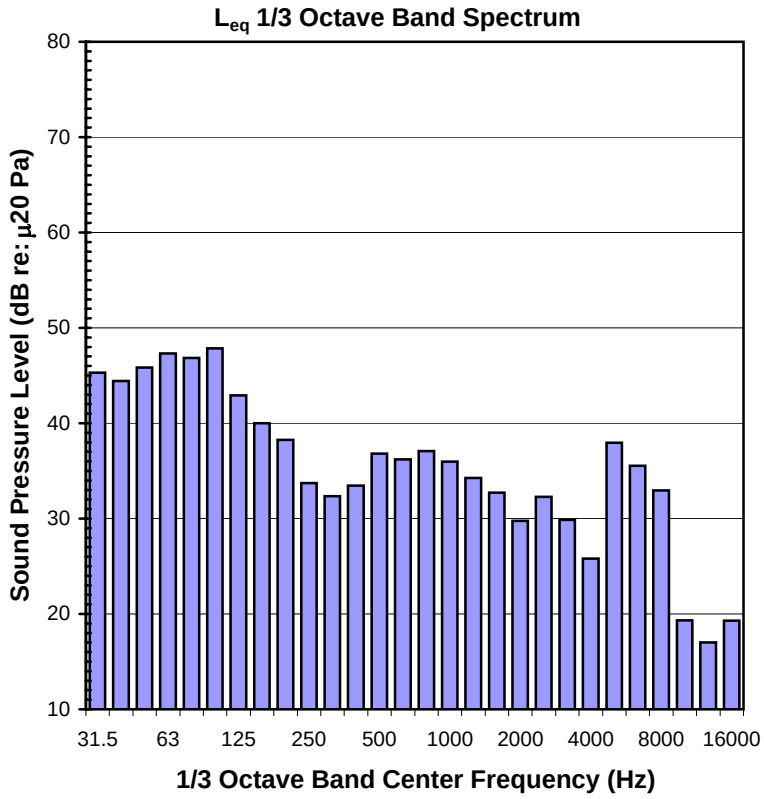
Intermittent Sound Measurement Data

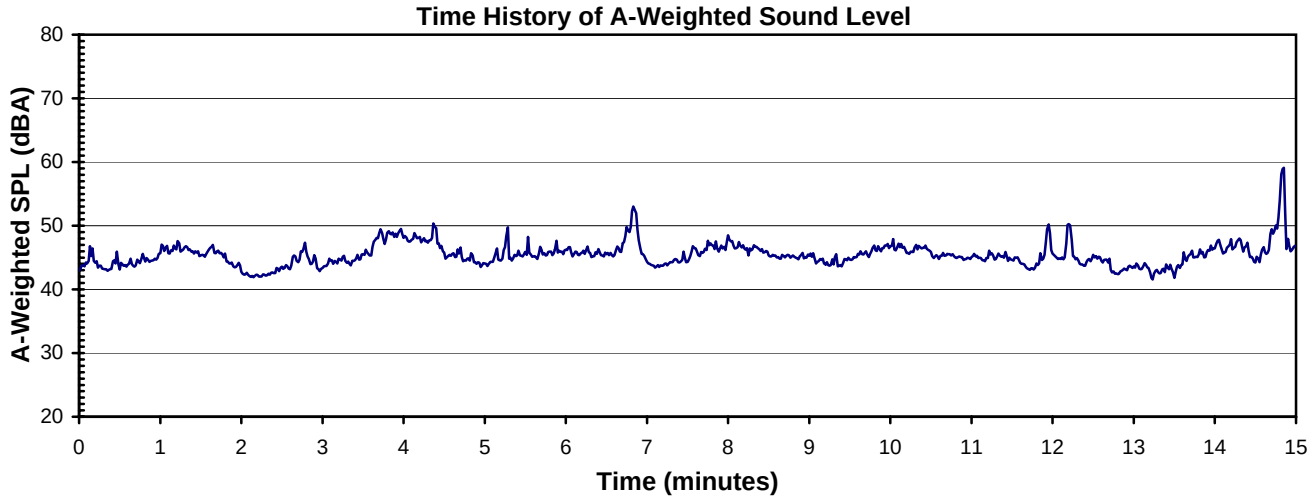
Location 1 - Green Acres Conference Center - Day

Measured Wednesday, September 16, 2009, Between 3:12 PM & 3:22 PM

A-Weighted Descriptors (dBA)

L_{eq}:	**46.0**
L_{max}:	59.5
L_{01}:	51.2
L_{10}:	47.5
L_{50}:	45.3
L_{90}:	43.4
L_{99}:	42.1
L_{min}:	41.4





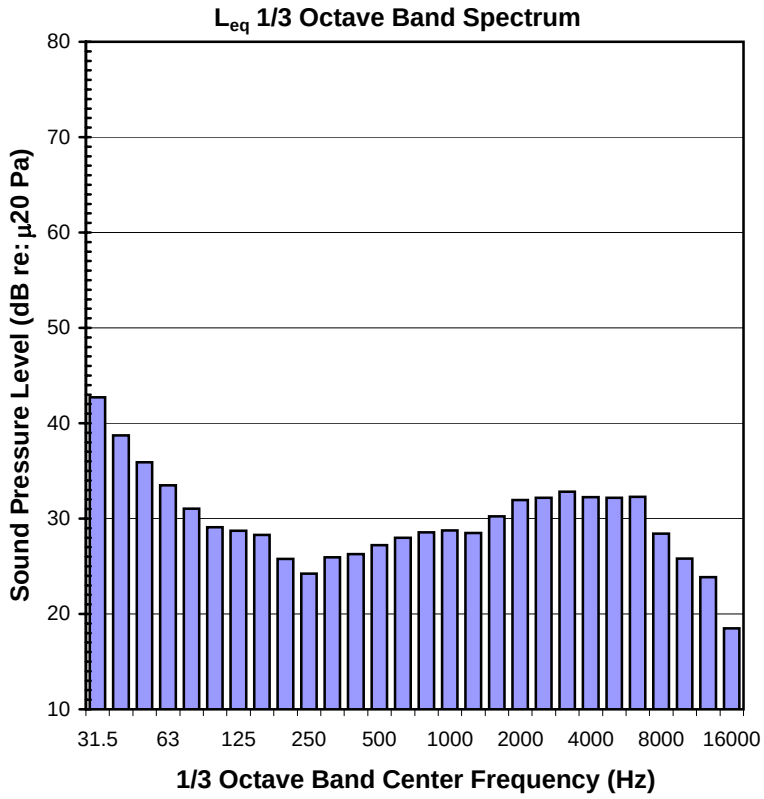
Run006

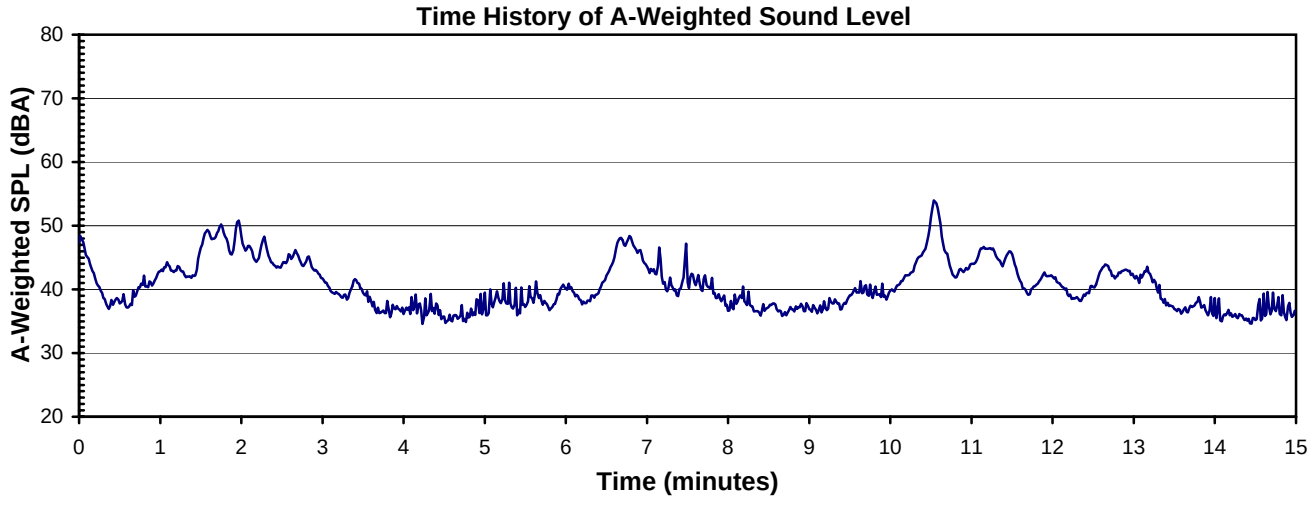
Location 1 - Green Acres Conference Center - Night

Measured Thursday, September 17, 2009, Between 1:37 AM & 1:47 AM

A-Weighted Descriptors (dBA)

L_{eq}:	**42.5**
L_{max}:	54.5
L_{01}:	50.5
L_{10}:	46.1
L_{50}:	39.8
L_{90}:	36.2
L_{99}:	34.9
L_{min}:	34.6





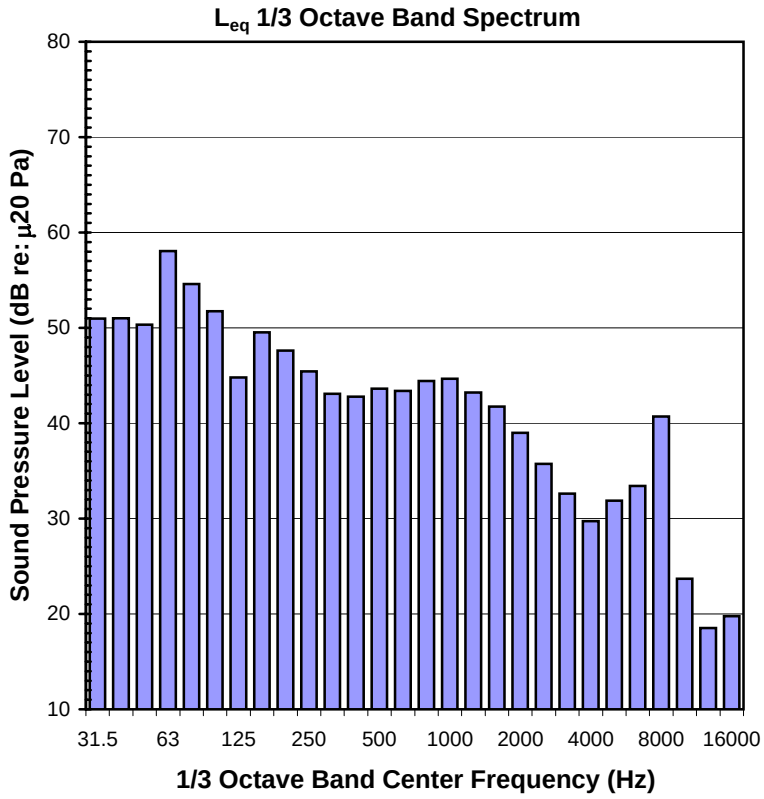
Run012

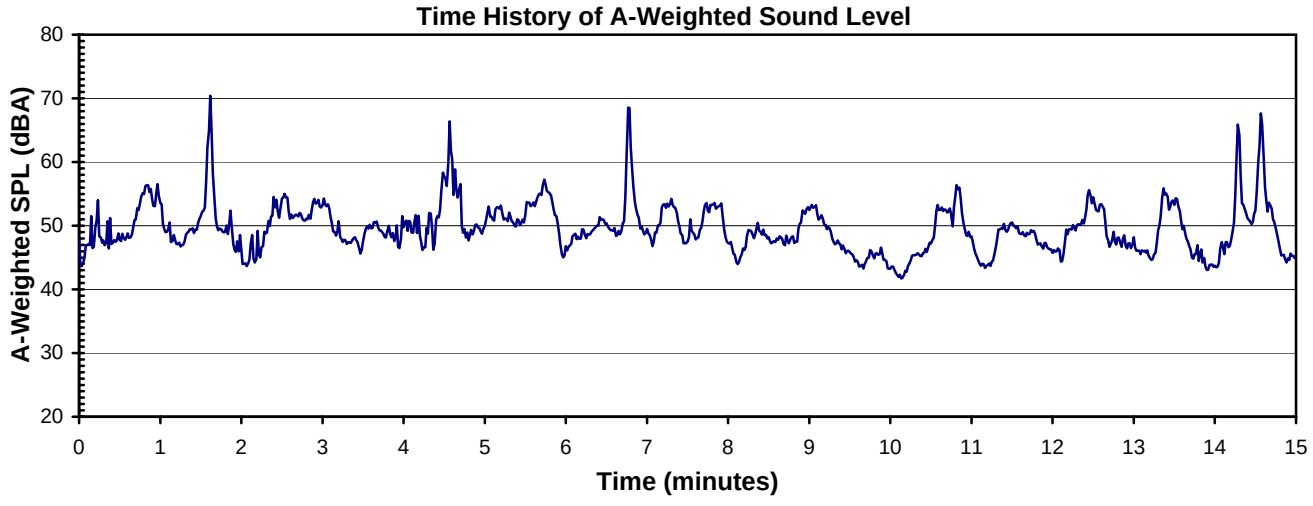
Location 2 - Consolidated Edison ROW Near 3 Vincent Road - Day

Measured Wednesday, September 16, 2009, Between 2:54 PM & 3:04 PM

A-Weighted Descriptors (dBA)

L_{eq}:	**52.6**
L_{max}:	71.6
L_{01}:	64.1
L_{10}:	53.9
L_{50}:	49.1
L_{90}:	45.0
L_{99}:	42.9
L_{min}:	41.7





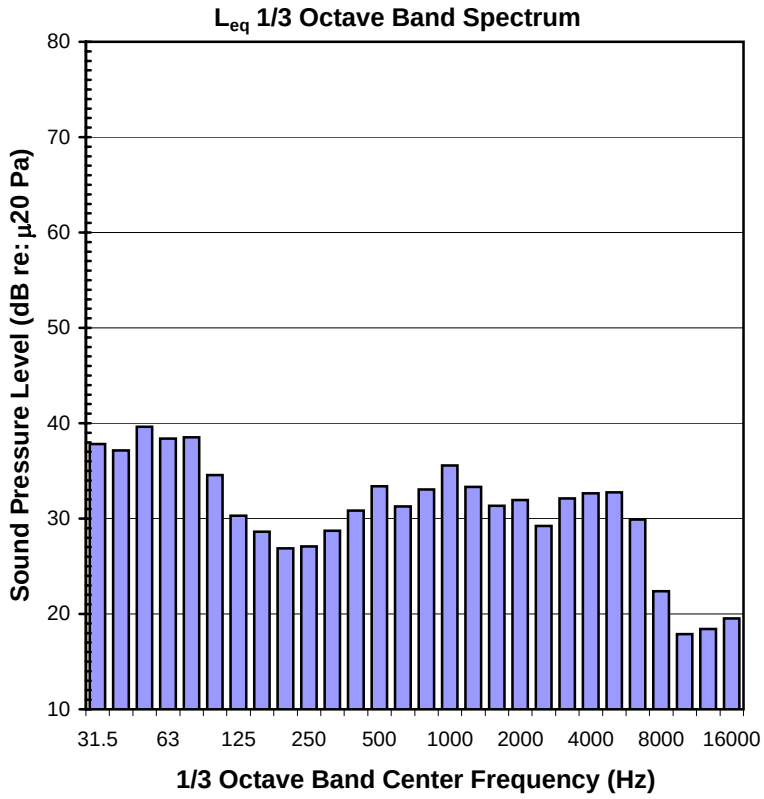
Run005

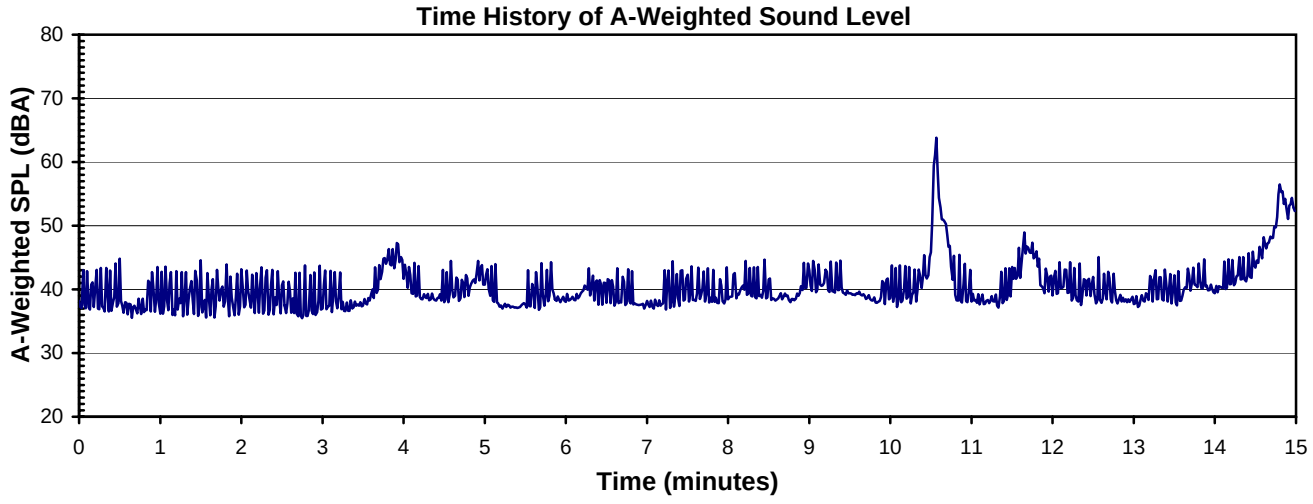
Location 2 - Consolidated Edison ROW Near 3 Vincent Road - Night

Measured Thursday, September 17, 2009, Between 1:18 AM & 1:28 AM

A-Weighted Descriptors (dBA)

L_{eq}:	**43.6**
L_{max}:	65.0
L_{01}:	54.3
L_{10}:	45.2
L_{50}:	38.9
L_{90}:	36.8
L_{99}:	35.7
L_{min}:	36.2





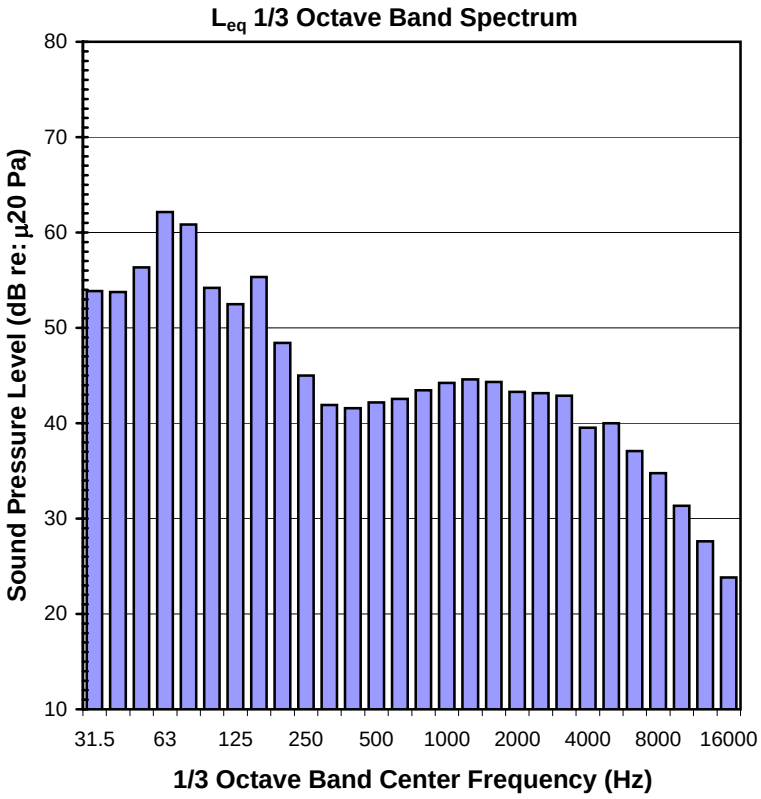
Run011

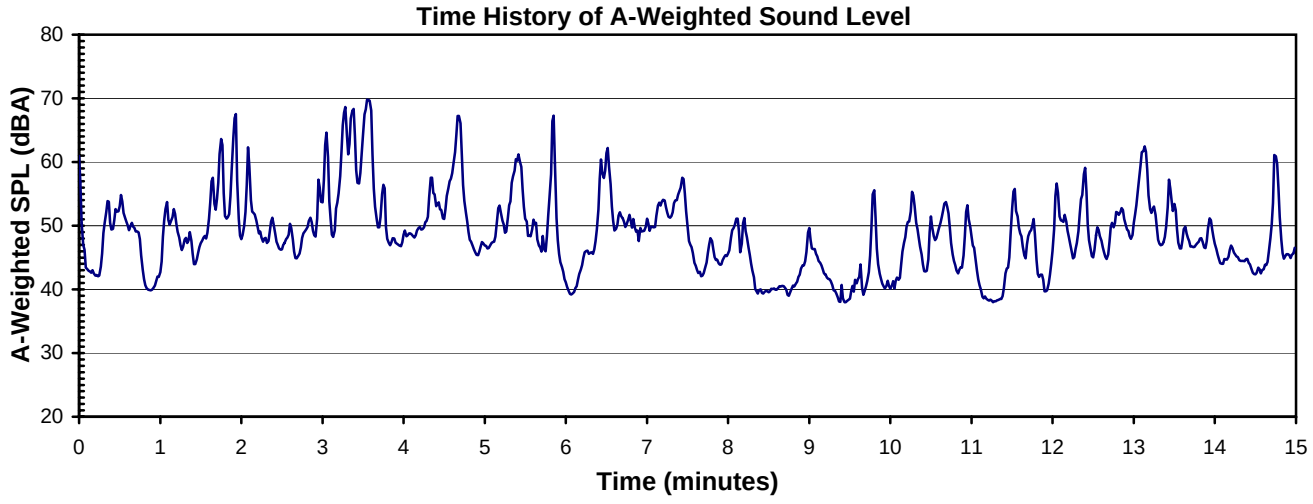
Location 3 - 7 Cricket Hill Road - Day

Measured Wednesday, September 16, 2009, Between 2:08 PM & 2:18 PM

A-Weighted Descriptors (dBA)

L_{eq}:	**54.7**
L_{max}:	70.8
L_{01}:	67.9
L_{10}:	56.6
L_{50}:	48.2
L_{90}:	40.6
L_{99}:	38.2
L_{min}:	38.0





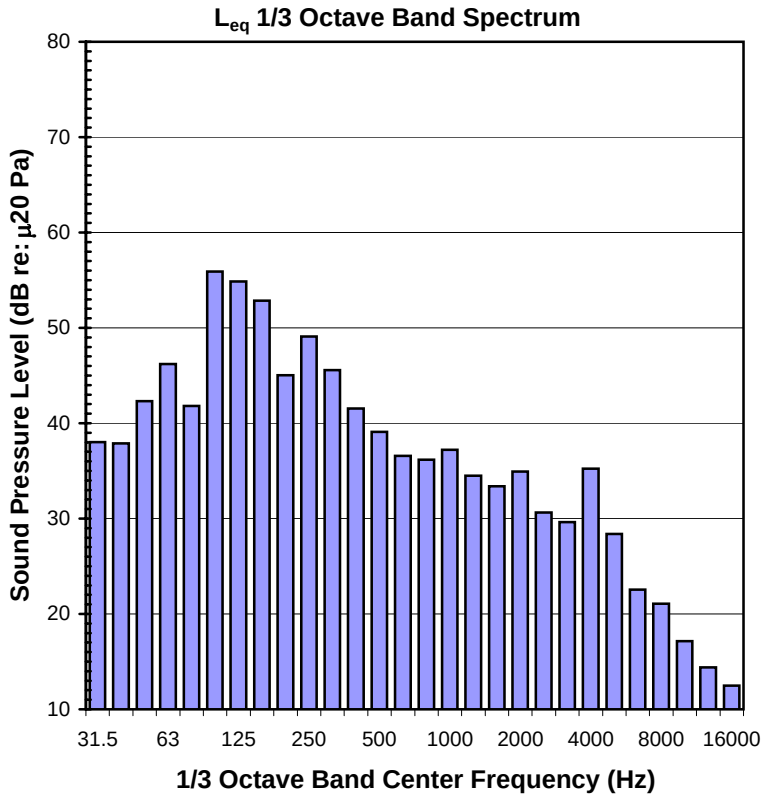
Run003

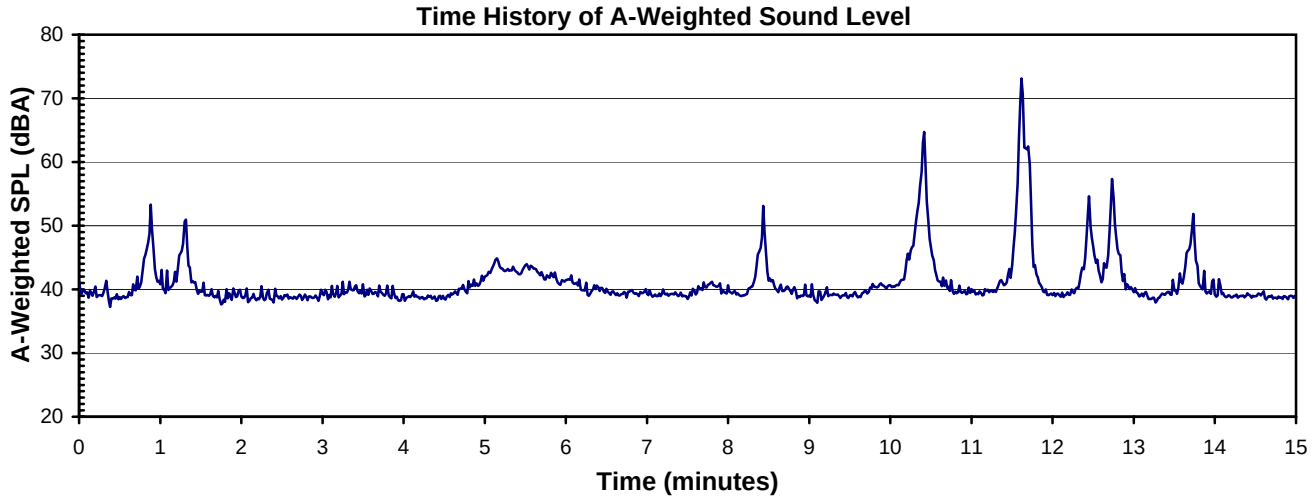
Location 3 - 7 Cricket Hill Road - Night

Measured Thursday, September 17, 2009, Between 12:38 AM & 12:48 AM

A-Weighted Descriptors (dBA)

L_{eq}:	**49.0**
L_{max}:	74.7
L_{01}:	61.2
L_{10}:	44.2
L_{50}:	39.7
L_{90}:	38.6
L_{99}:	37.9
L_{min}:	37.9





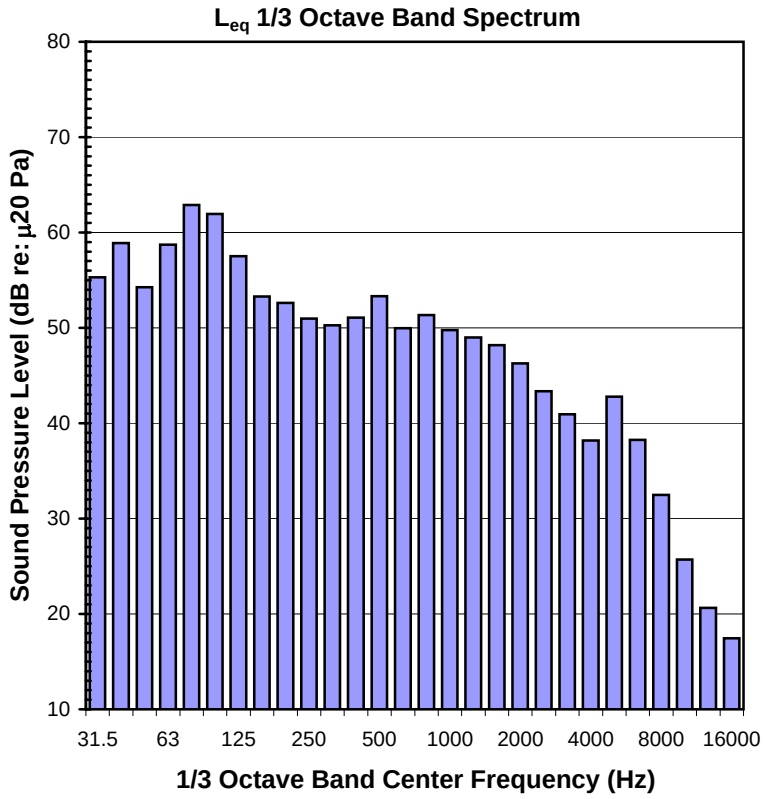
Run009

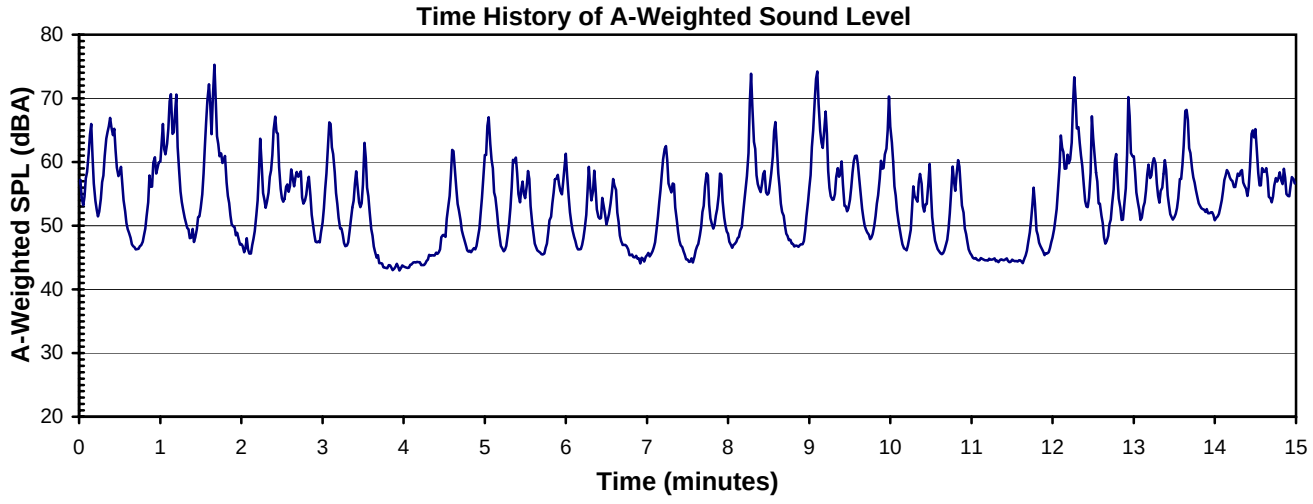
Location 4 - 2238 SR-22 - Day

Measured Wednesday, September 16, 2009, Between 1:50 PM & 2:00 PM

A-Weighted Descriptors (dBA)

L_{eq}:	**59.2**
L_{max}:	77.1
L_{01}:	71.1
L_{10}:	62.0
L_{50}:	53.3
L_{90}:	45.1
L_{99}:	43.4
L_{min}:	43.1





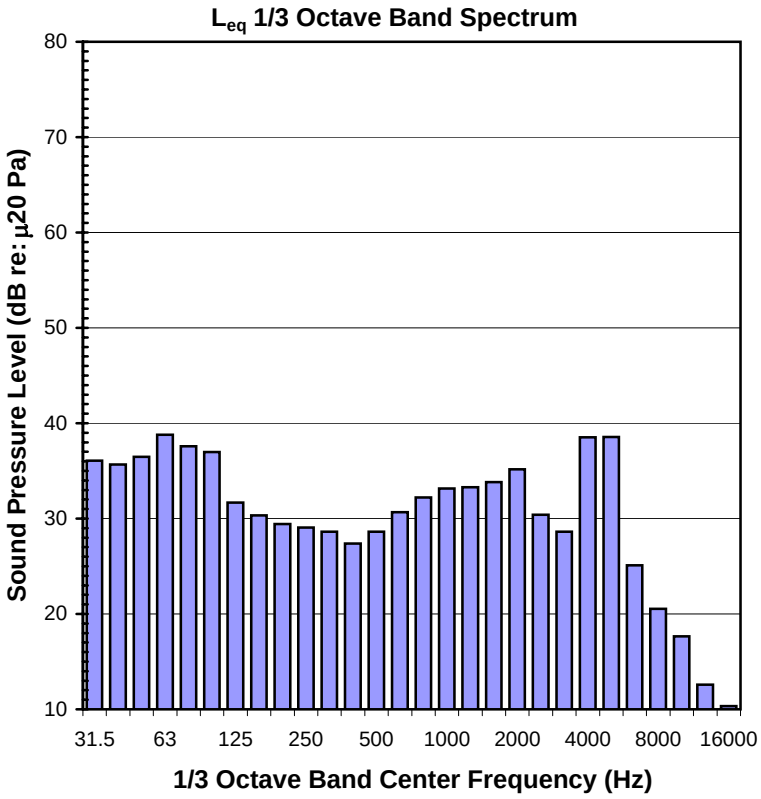
Run002

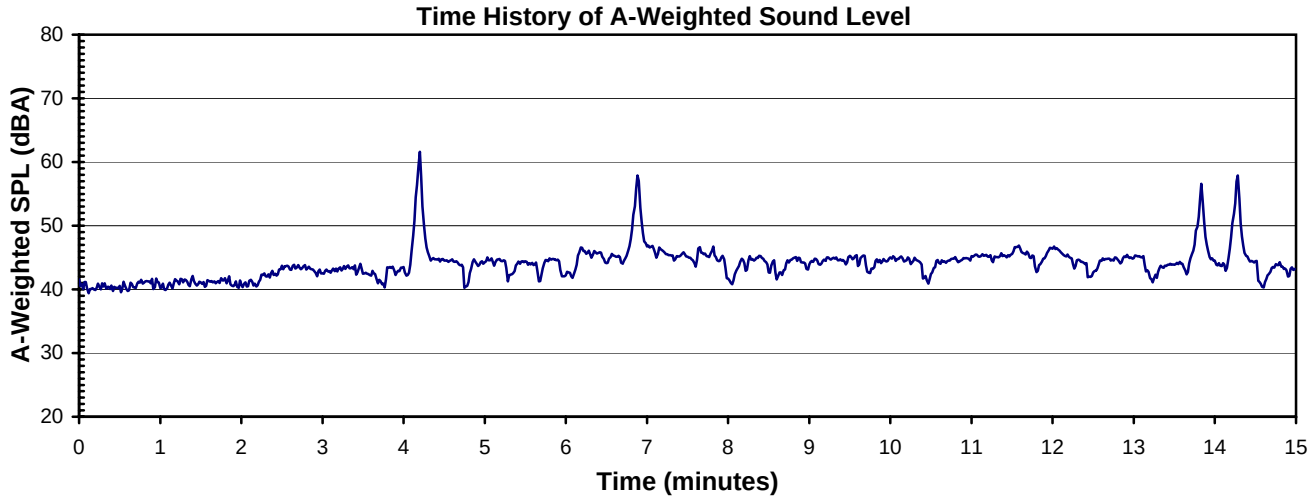
Location 4 - 2238 SR-22 - Night

Measured Thursday, September 17, 2009, Between 12:21 AM & 12:31 AM

A-Weighted Descriptors (dBA)

L_{eq}:	**45.5**
L_{max}:	62.4
L_{01}:	55.8
L_{10}:	45.9
L_{50}:	44.2
L_{90}:	40.9
L_{99}:	39.8
L_{min}:	39.7





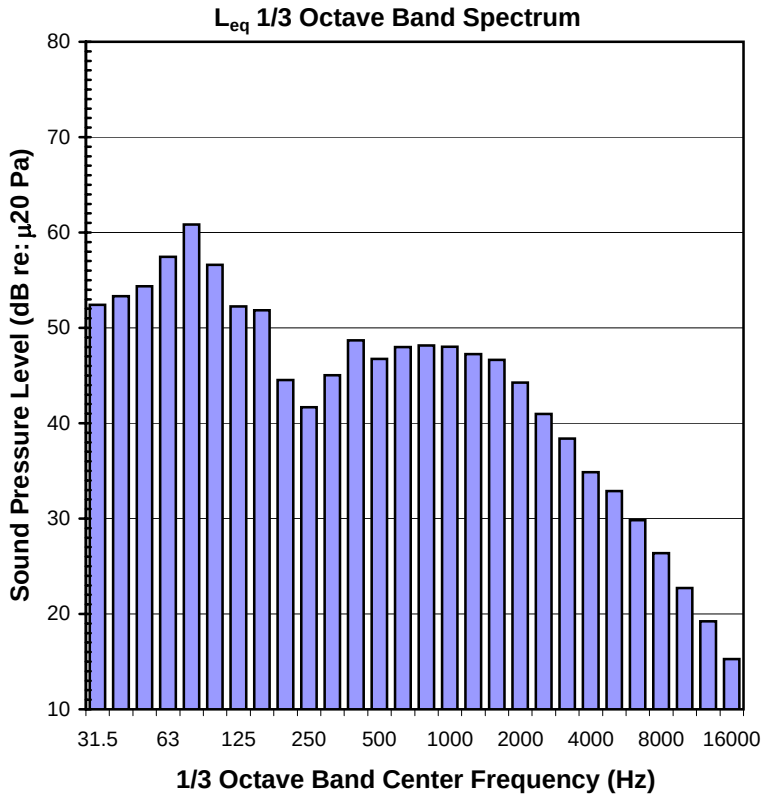
Run008

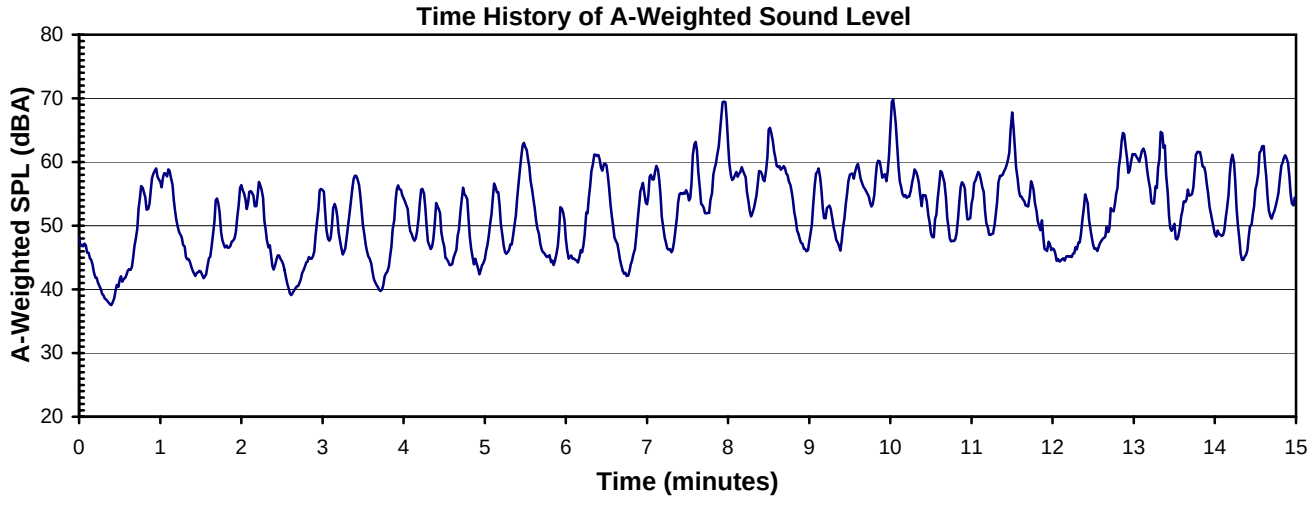
Location 5 - North Chippawalla Road - Day

Measured Wednesday, September 16, 2009, Between 1:30 PM & 1:40 PM

A-Weighted Descriptors (dBA)

L_{eq}:	**56.3**
L_{max}:	70.4
L_{01}:	66.8
L_{10}:	59.7
L_{50}:	52.3
L_{90}:	43.9
L_{99}:	39.0
L_{min}:	37.6





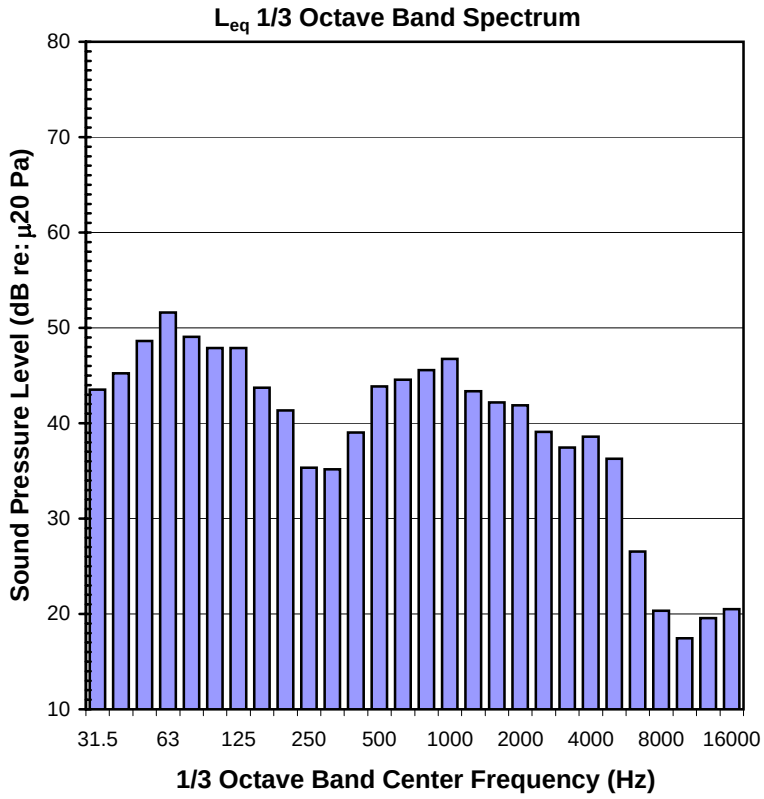
Run001

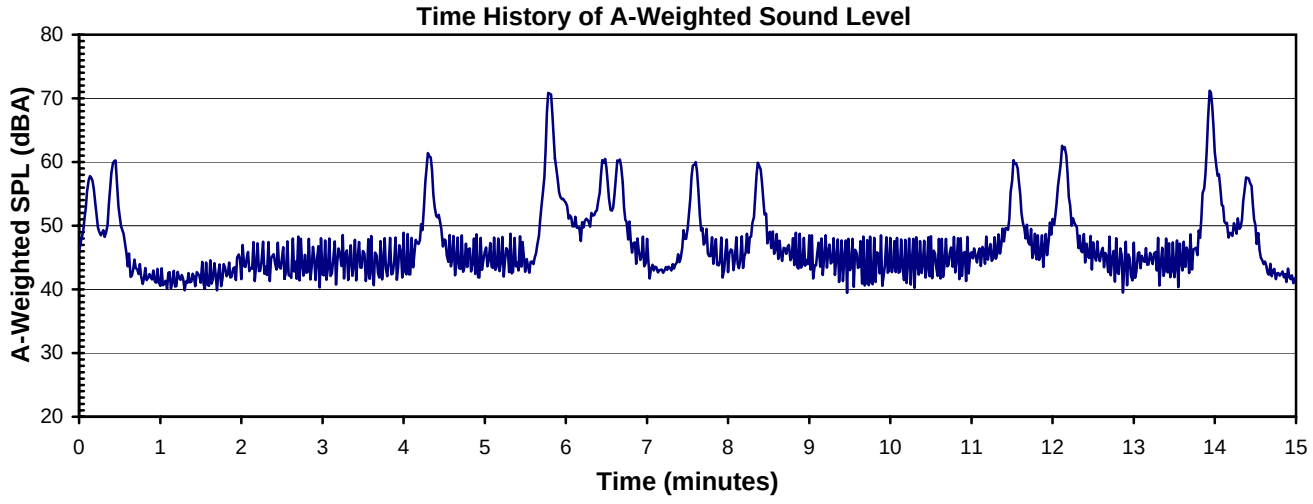
Location 5 - North Chippawalla Road - Night

Measured Thursday, September 17, 2009, Between 12:02 AM & 12:12 AM

A-Weighted Descriptors (dBA)

L_{eq}:	**53.3**
L_{max}:	72.4
L_{01}:	65.8
L_{10}:	54.9
L_{50}:	44.9
L_{90}:	41.2
L_{99}:	39.9
L_{min}:	40.5





Run007

Appendix D

Construction Noise Sources

Equipment	Impact Device	Measured Lmax (at 50 feet)
Auger Drill Rig	No	84
Backhoe	No	78
Boring Jack Power Unit	No	83
Clam Shovel (dropping)	Yes	87
Compactor (ground)	No	83
Compressor (air)	No	78
Concrete Mixer Truck	No	79
Concrete Pump Truck	No	81
Concrete Saw	No	90
Crane	No	81
Dozer	No	82
Drill Rig Truck	No	79
Drum Mixer	No	80
Dump Truck	No	76
Excavator	No	81
Front-End Loader	No	79
Generator	No	81
Generator (less than 25 kVA)	No	73
14-H Load Grader/Gradall	No	83
Grapple (on backhoe)	No	87
Heavy Truck (Water/Line/Flatbed)	No	74
Horizontal-Boring Hydraulic Jack	No	82
Impact Pile Driver	Yes	101
Jackhammer	Yes	89
Man Lift/Forklift	No	75
Mounted Impact Hammer (hoe ram)	Yes	90
Pavement Scarifier	No	90
Paver	No	77
Pickup Truck	No	75
Pneumatic Tools	No	85
Pumps	No	81
Rivit Buster/chipping gun	Yes	79
Rock Drill	No	81
Roller	No	80
Scraper	No	85
Shears (on backhoe)	No	96
Slurry Plant	No	78
Trencher/Slurry Trencher	No	80
Vacuum Excavator (Vac-truck)	No	85
Vacuum Street Sweeper	No	82
Vibrating Hopper	No	87
Vibratory Concrete Mixer	No	80
Vibratory Pile Driver	No	101
Welder / Torch	No	74

Appendix E

Operational Noise Model Source Data

Geneal Sound Source List

		Octave Band Center Frequency (Hz)											
	Type	32	63	125	250	500	1000	2000	4000	8000	A	lin	Reference
HRSG Indoor SPL	Li	85	85	85	79	79	79	79	79	72	86	91	CTA-data
TG Bldg Indoor SPL	Li	85	85	85	79	79	79	79	79	72	86	91	CTA-data
HRSG Transition Bldg Indoor SPL	Li	85	85	85	79	79	79	79	79	72	86	91	CTA-data
Gas Turbine Inlet	Lw	111	111	104	75	57	56	55	60	61	90	114	GE Rev. D
Stack Exit	Lw	112	123	127	123	114	101	80	63	46	117	130	Nooter Eriksen
CT Transformer 250 MW	Lw	87	93	95	90	90	84	79	74	67	90	99	EEI Guide
ST Transformer 175 MW	Lw	87	93	95	90	90	84	79	74	67	90	99	EEI Guide
Aux Transformer 16 MW	Lw	85	91	93	88	88	82	77	72	65	88	97	EEI Guide
Fin Fan Cooler	Lw	102	102	101	98	93	91	85	79	73	96	107	GEA Proposal 42933
Turbine Compartment Vent Fan	Lw	102	102	110	101	98	95	94	98	95	104	112	GE Rev. D
Exhaust Enclosure Vent Fan	Lw	103	104	110	102	99	96	92	91	88	102	113	GE Rev. D
ACC-SPX	Lw	108	110	107	100	98	96	94	89	85	102	114	SPX

Build Wall and Roof TL's

		Octave Band Center Frequency (Hz)									
	Type	31.5	63	125	250	500	1000	2000	4000	8000	Rw
HRSG Building TL		9	15	17	21	22	23	24	22	19	24
HRSG Transition Bldg TL		9	15	17	21	22	23	24	22	19	24
TG Bldg TL		9	15	17	21	22	23	24	22	19	24

Fan and Stack Silencers

		Octave Band Center Frequency (Hz)								
	Type	31.5	63	125	250	500	1000	2000	4000	8000
HRSG Stack Silencer		0	7	20	25	20	10	0	0	0
GT Vent Fan Silencers		0	0	10	15	15	15	10	5	0

Detailed Source List

	Type	Lw(A)	Lw(A)/m^2	Atten.
Aux Transformer 1	point	87.9		
Aux Transformer 2	point	87.9		
Aux Transformer 3	point	87.9		
CT Transformer 1	point	90.2		
CT Transformer 2	point	90.2		
CT Transformer 3	point	90.2		
Exh Encl Vent Fan 1	point	92.6		GT Vent Fan Silencers
Exh Encl Vent Fan 2	point	92.6		GT Vent Fan Silencers
Exh Encl Vent Fan 3	point	92.6		GT Vent Fan Silencers
ST Transformer 1	point	89.9		
ST Transformer 2	point	89.9		
ST Transformer 3	point	89.9		
Stack Unit 1	point	97.5		HRSG Stack Silencer
Stack Unit 2	point	97.5		HRSG Stack Silencer
Stack Unit 3	point	97.5		HRSG Stack Silencer
Turbine Comp Vent Fan 1	point	97.7		GT Vent Fan Silencers
Turbine Comp Vent Fan 2	point	97.7		GT Vent Fan Silencers
Turbine Comp Vent Fan 3	point	97.7		GT Vent Fan Silencers
HRSG Bldg 1 - Roof	horiz. area	86.4	57.2	Building TL
HRSG Bldg 2 - Roof	horiz. area	86.4	57.2	Building TL
HRSG Bldg 3 - Roof	horiz. area	86.4	57.2	Building TL
TG Bldg Roof	horiz. area	93.4	57.2	Building TL
HRSG Transition Bldg 1 Roof	horiz. area	84.0	57.2	Building TL
HRSG Transition Bldg 2 Roof	horiz. area	84.0	57.2	Building TL
HRSG Transition Bldg 3 Roof	horiz. area	84.0	57.2	Building TL
ACC 1	horiz. area	101.8	66.5	Building TL
ACC 2	horiz. area	101.8	66.5	Building TL
ACC 3	horiz. area	101.8	66.5	Building TL
FFC 1	horiz. area	95.6	68.2	Building TL
FFC 2	horiz. area	95.6	68.2	Building TL
FFC 3	horiz. area	95.6	68.2	Building TL
HRSG Bldg 1 - East Facade	vert. area	84.2	57.2	Building TL
HRSG Bldg 1 - North Facade	vert. area	87.4	57.2	Building TL
HRSG Bldg 1 - South Facade	vert. area	87.4	57.2	Building TL
HRSG Bldg 1 - West Facade	vert. area	87.0	57.2	Building TL
HRSG Bldg 2 - East Facade	vert. area	84.2	57.2	Building TL
HRSG Bldg 2 - North Facade	vert. area	87.4	57.2	Building TL
HRSG Bldg 2 - South Facade	vert. area	87.4	57.2	Building TL
HRSG Bldg 2 - West Facade	vert. area	87.0	57.2	Building TL
HRSG Bldg 3 - East Facade	vert. area	84.2	57.2	Building TL
HRSG Bldg 3 - North Facade	vert. area	87.4	57.2	Building TL
HRSG Bldg 3 - South Facade	vert. area	87.4	57.2	Building TL
HRSG Bldg 3 - West Facade	vert. area	87.0	57.2	Building TL
TG Bldg East Facade 1	vert. area	84.8	57.2	Building TL
TG Bldg East Facade 10	vert. area	82.0	57.2	Building TL
TG Bldg East Facade 11	vert. area	85.1	57.2	Building TL
TG Bldg East Facade 2	vert. area	82.1	57.2	Building TL
TG Bldg East Facade 3	vert. area	86.7	57.2	Building TL
TG Bldg East Facade 4	vert. area	82.1	57.2	Building TL
TG Bldg East Facade 5	vert. area	84.7	57.2	Building TL
TG Bldg East Facade 6	vert. area	82.1	57.2	Building TL
TG Bldg East Facade 7	vert. area	86.7	57.2	Building TL
TG Bldg East Facade 8	vert. area	82.1	57.2	Building TL
TG Bldg East Facade 9	vert. area	84.7	57.2	Building TL
TG Bldg North Facade	vert. area	84.9	57.2	Building TL
TG Bldg South Facade	vert. area	81.7	57.2	Building TL
TG Bldg West Facade 1	vert. area	85.6	57.2	Building TL
TG Bldg West Facade 2	vert. area	86.7	57.2	Building TL
TG Bldg West Facade 3	vert. area	86.7	57.2	Building TL
HRSG Transition Bldg 1 North Facade	vert. area	81.8	57.2	Building TL
HRSG Transition Bldg 1 South Facade	vert. area	81.9	57.2	Building TL
HRSG Transition Bldg 2 North Facade	vert. area	81.8	57.2	Building TL
HRSG Transition Bldg 2 South Facade	vert. area	81.9	57.2	Building TL
HRSG Transition Bldg 3 North Facade	vert. area	81.8	57.2	Building TL
HRSG Transition Bldg 3 South Facade	vert. area	81.9	57.2	Building TL
Inlet Unit 1	vert. area	89.7	68.1	Building TL
Inlet Unit 2	vert. area	89.7	68.1	Building TL
Inlet Unit 3	vert. area	89.7	68.1	Building TL
				Building TL