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## Summerhaven Wind Energy Centre

Haldimand County, ON

### Interim Report – Monitor C

#### Acoustic Audit Report - Immission

RWDI # 1400190  
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#### SUBMITTED TO

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## EXECUTIVE SUMMARY

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Summerhaven Wind, LP, retained RWDI to conduct an immission acoustic audit of the Summerhaven Wind Energy Centre located in Haldimand County, Ontario. The purpose of this audit is to capture acoustic measurements of the sound produced by the wind turbines for comparison with the applicable Ministry of the Environment and Climate Change (MOECC) sound level limits. Two audit reports (i.e., spring and fall audit programs) have previously been submitted to meet the reporting requirements of the facility's Renewable Energy Approval (REA) under the original MOECC compliance protocol (MOECC, 2011). However, the minimum amount of collected data was not achieved at all locations for either program. This interim audit report serves as the first immission audit report for monitoring location C and is based on a complete data set from one of the previous two programs.

A second interim audit report is forthcoming and will serve as the first immission audit for monitoring locations A and B. This second interim audit report will present data collected during spring 2018 under the updated MOECC protocol (MOECC, 2017) and will complete the first audit condition. A second audit program is planned for fall 2018 to complete the second audit condition of the REA.

The wind farm consists of a combination of fifty-six (56) Siemens SWT 2.221-101 and SWT 2.221-93 wind turbine generators and one (1) transformer substation. The total nameplate capacity of the wind farm is 124.4 MW. Fifty-eight (58) turbines were permitted in the REA; however only fifty-six (56) were installed.

Unattended measurements were conducted at three representative points of reception to assess sound immission from the wind turbine farm. Weather monitoring instrumentation was co-located with the sound level meters; including wind speed and direction. Precipitation data was collected at a single monitoring location and was considered representative for the remaining stations.

This report summarizes the data collected over the spring 2014 monitoring program for monitoring location C.

The facility is required to meet the sound level limits identified in the REA. The minimum number of filtered measurement intervals for each “bin” was obtained at monitor C for both turbine operational and turbine parked conditions. Based on the available data, the results indicate that the facility is in compliance with the sound level limits identified in the REA for monitor C.



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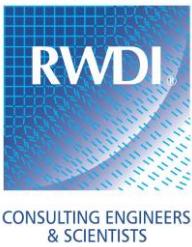
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- Figure 1: Summerhaven Wind Farm - Noise Monitor Locations
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- Appendix F: Conditions during the Measurements



## 1. INTRODUCTION

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Summerhaven Wind, LP retained RWDI to conduct an immission acoustic audit of the Summerhaven Wind Energy Centre (Summerhaven) located in Haldimand County, Ontario. The purpose of this audit is to capture long-term acoustic measurements of the sound level at nearby receptors produced by the operation of the wind turbines for comparison with the applicable Ministry of the Environment and Climate Change (MOECC) sound level limits. This immission audit is intended to meet the requirements of Part D of the 2011 MOECC publication “Compliance Protocol for Wind Turbine Noise” (Protocol) (MOECC, 2011).

The wind turbines and ancillary equipment are located on privately owned farmland through a legal agreement between the landowner and Summerhaven Wind, LP. The zoning within the project area and surrounding areas is agricultural. The acoustic environment surrounding the project area is rural and is influenced primarily by road traffic, farming activities, and sounds of nature. Zoning information as found in the “Summerhaven Wind Energy Centre Noise Study Report”, dated August 2011 and prepared by Golder Associates (Noise Report), is included in Appendix A.

The facility’s Renewable Energy Approval (REA), number 2484-8RQUS4 dated March 16, 2012, is provided in Appendix B. Condition D1 of the REA requires Summerhaven to complete two immission acoustic audit tests conducted at three representative points of reception to assess sound immissions from the wind turbine site.

The general practice, though not explicitly stated in the REA, is to complete one test in the fall (i.e. suggested October/November) and one in the spring (i.e. suggested March/April). Two audit reports (i.e., spring and fall audit programs) were previously submitted to meet the reporting requirements of the facility’s REA under the original MOECC compliance Protocol (MOECC, 2011). However, the minimum amount of collected data was not achieved at all locations for either program. This interim audit report serves as the first immission audit report for monitoring location C and is based on a complete data set from one of the previous two programs. A second interim audit report is forthcoming and will present data collected during spring 2018 for monitoring locations A and B that will satisfy the first audit condition. A second audit is planned for the fall 2018 to meet the second audit condition at all three locations.

A detailed discussion of the audit procedures and data analysis is provided in the subsequent sections.

## 2. FACILITY DESCRIPTION

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The project was developed by NextEra Energy Canada, LP. The facility is owned by Summerhaven Wind, LP, a wholly owned subsidiary of NextEra Energy Canada, LP. The Summerhaven wind farm became commercially operational in August 2013.

The project site is generally bounded by Highway 20 to the north, Highway 50 to the east, Rainham road to the south and Kolher road to the west, in Haldimand County, Ontario.

The Summerhaven wind farm consists of fifty-six (56) Siemens SWT 2.221-101 and SWT 2.221-93 wind turbine generators and one (1) transformer substation. Fifty-eight (58) turbines were permitted in the REA; however only fifty-six (56) were installed. The total nameplate capacity of the wind farm is 124.4 MW. All turbines have a hub height of 80 m above local grade.

## 3. INSTRUMENTATION

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All instrumentation used for the immission testing followed the requirements set out in the Protocol.

### 3.1 Acoustic Instrumentation

The measurements were conducted using a Brüel & Kjær 2270 Type 1 precision integrating sound level meter at monitor C. A list of the acoustic equipment including serial numbers is provided in Appendix C. The 2270 sound level meter is capable of recording both sound level and audio. The equipment used at monitor C meets the following requirements:

- Type 1 measurement system per the IEC standard 61672-1 Sound Level Meter, Part 1: Specifications;
- Class 1 microphone systems;
- The instrumentation having constant frequency response over at the 20 Hz to 20000Hz frequency range;
- The filters meeting the requirements of IEC 61620 for Class 1 filters; and
- The instrumentation being capable of measuring audio recordings continuously during the measurement campaign, at sampling rate of at least 8000 Hz.

All sound monitoring locations were calibrated both before and after the measurement campaign using a Larson-Davis CAL200 precision acoustic calibrator. The calibrator's accuracy is equal to or better than +/- 0.3 dB and is Class 1 according to IEC 60942 within the temperature range of this measurement program. Manufacturer recommendations typically suggest a re-calibration period of 1-2 years. RWDI policy is to calibrate all components at least every two years, with field calibrators being re-certified annually. As the components were calibrated appropriately at deployment and recovery, there are no concerns on measurement drift.

In addition to the 90mm diameter primary wind screen that is commonly used for long term monitoring campaigns, a secondary 500mm diameter wind screen was deployed. The secondary wind screen was constructed according to MOECC recommendations included in Section D2.1.4 of the Compliance Protocol for Wind Turbines. The secondary wind screen also meets the specifications indicated in IEC 61400-11. Transmission loss was assumed to be negligible at the frequencies important for wind turbine sound (i.e., less than about 0.2 dB below 1000 Hz) based on manufacturer acoustic wind screen data (see attached excerpt from Larson Davis 824 manual in Appendix C). Our prior experience in testing a similar windscreens in a reverberation chamber equipped with registered sound source and flow noise gave similar results.

## 3.2 Non-Acoustic Instrumentation

Each sound level monitoring location was co-located with a meteorological station. The weather station consisted of a Campbell Scientific weather console using a CR200 data logging system and a R.M. Young 05103 wind anemometer. Auxiliary measurement instrumentation was used for temperature, relative humidity, and precipitation recordings for the local area. The weather monitoring meets the system requirements as required in the Protocol.

## 3.3 Calibration

All relevant acoustic equipment has calibration records that are traceable to an accredited acoustic laboratory and are within the valid calibration recertification time. All other equipment is within calibration range and recertification time.

# 4. MEASUREMENT PROCEDURE

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## 4.1 Noise Measurement Location

The microphones were located at a height of approximately 4.5 metres above local ground representing a 2-storey residence. This height is consistent with dwellings located at the points of reception in this study and the modelled receptor heights identified in the Noise Report.

The microphones were located as close to the dwelling as practically possible or in an acoustically equivalent location in accordance with the Protocol as appropriate. More specifically, the microphones were located more than 5 m away from any large reflecting surface and away from trees or foliage that could affect the measurements. The monitoring positions were also positioned such that any intervening obstacles or terrain did not shield them from line of sight to the wind turbine noise.

## 4.2 Wind Measurement Location

The Protocol requires the wind measurement location be in close proximity to the sound measurement location. An anemometer was mounted to the same tower as the microphone at each of the sound measurement locations. A sensor for measuring temperature, precipitation and relative humidity was located at only one monitoring location. The weather measurement location was not shielded by nearby buildings or obstructions. Wind speed and direction measurements were obtained at a height of 10 m. All monitoring locations were configured to record data in one-minute intervals.

## 4.3 Acoustic Measurements

### *Turbines Operational*

All monitoring locations were configured to log one-minute statistical sound level data. The key statistical data used in the analysis is the A-weighted one-minute energy equivalent sound level ( $L_{EQ\ 1\ min}$  in dBA). Audio recordings were also logged for both sound identification and tonality assessment purposes. Small interruptions in the data set occurred during daytime hours while checks and maintenance were conducted

by RWDI personnel. Sound and weather measurement equipment were time synchronized with each other at each measurement location.

Appendix D includes a statement signed by an authorized representative of the Summerhaven wind farm confirming that all wind turbines were operating normally for the duration of the valid measured data time periods. Acoustic measurements completed during the current monitoring program for turbine operational conditions are summarized in the Table Section.

#### **Turbines Parked**

Meter configurations were not changed between the turbine operational and turbine parked conditions. The turbines were parked on several different occasions during all monitoring programs to establish ambient sound levels. During the parked conditions, all nearby influential turbines were stopped so that the measured sound levels at the point of reception were representative of ambient background levels. The shutdown conditions occurred during the normal audit period between the hours of 22:00 and 05:00. Acoustic measurements during parked conditions for the current program are summarized in the Table Section.

### **4.4 Non-Acoustic Measurements**

All meteorological stations were configured to continuously log the appropriate statistical parameters and outputted one-minute averaged data or instantaneous data where applicable. The station was configured to log the following data on one-minute intervals:

- average wind speed (m/s);
- maximum wind speed (m/s);
- minimum wind speed (m/s); and
- average wind direction (azimuth degrees).

Average temperature (degrees Celsius), average relative humidity (percentage), and precipitation data were collected at one monitoring location and considered representative of the area conditions.

### **4.5 Number of Measurement Intervals**

#### **Turbines Operational**

The Protocol requires that no less than 120 one-minute intervals are required to be measured for each integer wind speed for the data set to be considered large enough to conduct the analysis and to be able to assess compliance. Wind speed measurements are rounded to the nearest integer prior to sorting in to a representative integer wind speed “bin”.

#### **Turbines Parked**

Ambient sound measurements were completed with all turbines parked. The Protocol states that no less than 60 one-minute intervals are required to be measured for each integer wind speed for the data set to be considered large enough to determine the ambient sound level. Wind speed measurements are rounded to the nearest integer prior to “binning”.

## 5. ACOUSTIC AUDIT PROCEDURE

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### 5.1 Points of Reception

Condition D1 (2) of the REA requires measurements to be made at three different points of reception that represent the location of the greatest predicted sound levels and that are located in the direction of the prevailing winds. Additionally, the Protocol states that the points of reception should represent worst case non-participating receptors.

Selected points of reception were identified based on those expected to be most affected by sounds from the operation of the wind farm. The most affected points of reception were determined from the noise contours provided in the NIA report. The numeric values used below for the receptor locations are consistent with the NIA report. These points of reception were further refined to downwind locations that would receive a reasonable frequency of prevailing winds for the current season (i.e., westerly winds). This review resulted in points of reception being ideally positioned in the locations shown in Figure 1.

Ideally, monitors should be located at the most impacted non-participating receptors. However, this was not always feasible due to location limitations (e.g., proximity to other sound sources like farming operations, roadways, or construction) or inability to secure landowner permission (e.g., declined or did not return messages). Hence, alternate locations were selected that are acoustically equivalent and conservative. Based on informal conversations with MOECC, we understand that this approach is acceptable. Further information is provided below on the location of the monitoring locations. Pictures of the monitoring locations, UTM coordinates, and microphone heights are included in Appendix E.

Monitor A was placed at participating receptor 37 (shown in Fig 2g of Noise Report); this location is considered to be acoustically equivalent to non-participating receptor 15. Monitor B was placed at participating receptor 60 (shown in Figure 2g of the Noise Report); this location is conservative relative to the nearest non-participating receptors since it is closer to the turbines (i.e., 40 dBA contour). Monitor C was placed at non-participating receptor 1364 (shown in Figure 2g of the Noise Report). Locations of the points of reception are identified in Figure 1.

### 5.2 Time of Measurements

The REA requires immission acoustic audit measurements be completed on two separate occasions within a period of twelve months during the lowest annual ambient sound levels. Though not explicitly stated in the REA, the assumed time periods are:

1. October and November; and
2. March and April.

This interim audit report serves as the first immission audit report for monitoring location C. Sound level measurements for the measurement program started on March 20, 2014. The measurement program ended with the final monitor data being June 11, 2014.

## 6. DATA PROCESSING

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### 6.1 Data Reduction and Filtering

The measurement data must be filtered in accordance with the Protocol. Filters including wind direction and individual events were applied to the measurement data as required by the REA and suggested in the Protocol, respectively. The following filters were applied to the measured data and only the data that satisfied all four conditions were used in the subsequent analysis:

1. Measurements between 22:00 and 05:00;
2. No rainfall within the hour of the measurement interval;
3. The maximum and minimum wind speed during the interval did not differ from the average by more than 2 m/s; and
4. Removal of extraneous high level events (example: wind over microphone, traffic pass-bys, human activities, etc.).

Conditions during the measurement period are presented in Appendix F.

### 6.2 Effects of Insects and Fauna

The audio recordings were reviewed for sounds from insects and fauna. Insect sounds were audible sporadically throughout the monitoring programs. Data containing sounds of insects was subsequently removed from the study.

### 6.3 Data Analysis

Following the guidance of the Protocol, the “binning method” is used to analyse one-minute sound level data. All sound level data that correlates to wind speeds between 4 to 7 m/s are grouped into integer wind speed bins. Data within each bin is +/- 0.5 m/s of the specified integer wind speed. Data within these bins are subsequently filtered and used for further analysis as detailed in Section 6.4.

### 6.4 Determination of Turbine Sound Level

As described in the Protocol, the measured data obtained for both the total sound (turbines operational) and ambient sound (turbines parked) are first reduced and filtered as described in Section 6.1. The binned data are then averaged. The resulting sound levels generated by the turbines only are the logarithmic subtraction of the average measured total sound minus the average measured ambient sound at each wind speed bin.

The resulting valid data for monitor C is plotted in Figure 2. The graph is a plot of valid sound level data versus wind speed measured at the co-located weather station. The plot shows the measured total sound, the measured ambient sound, and the resulting average turbine-only sound levels. Wind rose plots for monitor C are presented in Figure 3. Valid data for monitor C can be found in Table 1 for measured total sound and Table 2 for measured ambient sound. A summary of the applicable sound levels based on the valid points is provided in Table 3.



## 6.5 Tonal Assessment

An assessment of tonality should be completed as per the Protocol, if it is found to be present. Based on onsite observations made during visits to the site and review of several representative audio recordings, no tones were detected at each point of reception. In addition, tonality and tonal audibility data were provided by Siemens Canada. The data presented showed that the turbines have a negative tonal audibility which is below the value of positive 3 used for the criteria as per Part D, Section D3.8.3 of the Protocol. As a result, the turbines are not anticipated to have a tonal component associated with their operations.

## 7. ASSESSMENT OF COMPLIANCE

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The facility is required to meet the sound level limits identified in the REA. For an audit scenario, the Protocol requires a minimum of 120 operational and 60 ambient one-minute intervals between 4 to 7 m/s integer wind speeds inclusively. A facility is deemed to be in compliance if the resulting turbine sound levels do not exceed the sound level limit at each integer wind speed. The required data intervals were achieved at monitor C. Based on the available data, the facility is in compliance with the sound level limits identified in the REA at monitor C.

# TABLES

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/10/2014 10:03:00 PM	3.99	42.3
03/10/2014 10:04:00 PM	4.02	41.9
03/10/2014 10:05:00 PM	4.01	43.8
03/10/2014 10:06:00 PM	3.85	42.6
03/10/2014 10:07:00 PM	3.69	43.4
03/10/2014 10:09:00 PM	3.64	42.8
03/10/2014 10:12:00 PM	3.59	43.1
03/10/2014 10:13:00 PM	3.91	43.5
03/10/2014 10:14:00 PM	4.00	42.5
03/10/2014 10:15:00 PM	3.94	41.3
03/10/2014 10:16:00 PM	3.79	41.3
03/10/2014 10:17:00 PM	3.79	41.4
03/10/2014 11:34:00 PM	3.64	38.9
03/10/2014 11:36:00 PM	3.70	38.7
03/10/2014 11:38:00 PM	3.51	39.5
03/10/2014 11:53:00 PM	3.52	38.6
03/11/2014 12:01:00 AM	3.53	38.7
03/11/2014 12:02:00 AM	3.75	40.5
03/11/2014 12:03:00 AM	3.63	45.2
03/11/2014 12:08:00 AM	3.68	37.1
03/11/2014 12:09:00 AM	3.62	38.8
03/11/2014 12:11:00 AM	3.65	36.9
03/11/2014 12:12:00 AM	3.96	40.9
03/11/2014 12:13:00 AM	4.06	41.2
03/11/2014 12:14:00 AM	3.84	42.5
03/11/2014 12:15:00 AM	3.76	41.6
03/11/2014 12:22:00 AM	3.59	38.3
03/11/2014 12:23:00 AM	3.52	39.9
03/11/2014 12:24:00 AM	3.59	39.2
03/11/2014 12:25:00 AM	3.87	38.6
03/11/2014 12:26:00 AM	3.68	38.7
03/11/2014 12:27:00 AM	3.86	38.7
03/11/2014 12:28:00 AM	3.82	37.9
03/11/2014 12:29:00 AM	3.57	38.1
03/11/2014 12:30:00 AM	3.58	38.3
03/11/2014 12:54:00 AM	3.60	38.9
03/11/2014 12:55:00 AM	3.64	36.7
03/11/2014 12:56:00 AM	3.70	34.9
03/11/2014 12:57:00 AM	4.16	34.9
03/11/2014 12:59:00 AM	4.24	34.3
03/11/2014 1:00:00 AM	4.49	34.6
03/11/2014 1:01:00 AM	4.75	34.9
03/11/2014 1:02:00 AM	4.95	34.9
03/11/2014 1:03:00 AM	4.57	35.2
03/11/2014 1:04:00 AM	4.36	35.0
03/11/2014 1:05:00 AM	4.02	34.9
03/11/2014 1:06:00 AM	3.86	35.4
03/11/2014 1:08:00 AM	3.59	35.8
03/11/2014 1:09:00 AM	3.50	38.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/11/2014 1:17:00 AM	3.62	36.4
03/11/2014 1:18:00 AM	3.58	37.4
03/11/2014 1:19:00 AM	3.78	37.6
03/11/2014 1:20:00 AM	3.68	39.6
03/11/2014 1:21:00 AM	3.91	40.6
03/11/2014 1:22:00 AM	3.63	37.5
03/11/2014 1:24:00 AM	3.94	37.4
03/11/2014 1:27:00 AM	3.90	37.1
03/11/2014 1:28:00 AM	4.03	36.6
03/11/2014 1:29:00 AM	3.82	35.4
03/11/2014 1:30:00 AM	3.82	36.4
03/11/2014 1:31:00 AM	3.77	35.8
03/11/2014 1:32:00 AM	3.74	37.4
03/11/2014 1:33:00 AM	3.59	37.4
03/11/2014 1:35:00 AM	3.58	39.2
03/11/2014 1:36:00 AM	3.51	36.9
03/11/2014 3:21:00 AM	3.79	37.0
03/11/2014 3:22:00 AM	3.55	37.5
03/11/2014 3:36:00 AM	3.58	47.9
03/11/2014 3:37:00 AM	3.59	47.3
03/11/2014 3:38:00 AM	3.57	37.1
03/11/2014 3:39:00 AM	3.50	37.6
03/11/2014 4:00:00 AM	3.67	34.6
03/11/2014 4:01:00 AM	4.32	34.3
03/11/2014 4:02:00 AM	4.83	34.4
03/11/2014 4:03:00 AM	4.71	35.1
03/11/2014 4:04:00 AM	4.89	33.9
03/11/2014 4:05:00 AM	4.36	32.8
03/11/2014 4:06:00 AM	3.73	54.8
03/11/2014 4:10:00 AM	3.70	35.3
03/11/2014 4:11:00 AM	4.50	32.6
03/11/2014 4:12:00 AM	4.57	32.5
03/11/2014 4:13:00 AM	4.45	33.6
03/11/2014 4:14:00 AM	4.56	33.4
03/11/2014 4:15:00 AM	4.54	33.9
03/11/2014 4:16:00 AM	4.53	35.6
03/11/2014 4:17:00 AM	4.52	36.5
03/11/2014 4:18:00 AM	3.81	39.1
03/11/2014 4:56:00 AM	3.57	36.0
03/11/2014 4:57:00 AM	3.73	36.4
03/12/2014 3:28:00 AM	4.26	38.6
03/12/2014 3:29:00 AM	3.73	46.0
03/12/2014 3:30:00 AM	3.56	41.5
03/12/2014 3:33:00 AM	3.93	39.7
03/12/2014 3:49:00 AM	3.61	40.0
03/12/2014 3:50:00 AM	3.68	39.2
03/12/2014 3:51:00 AM	3.84	38.9
03/12/2014 3:52:00 AM	4.57	39.4
03/12/2014 3:53:00 AM	4.62	40.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/12/2014 3:54:00 AM	3.99	46.3
03/12/2014 3:55:00 AM	4.19	38.7
03/12/2014 3:56:00 AM	4.86	39.6
03/12/2014 3:57:00 AM	4.76	40.5
03/12/2014 3:58:00 AM	4.55	42.9
03/12/2014 3:59:00 AM	4.88	39.0
03/12/2014 4:00:00 AM	5.04	37.2
03/12/2014 4:01:00 AM	4.20	38.4
03/12/2014 4:02:00 AM	4.80	38.2
03/12/2014 4:03:00 AM	4.20	36.9
03/12/2014 4:04:00 AM	4.36	37.8
03/12/2014 4:05:00 AM	4.56	37.3
03/12/2014 4:06:00 AM	3.80	36.8
03/12/2014 4:07:00 AM	4.10	37.3
03/12/2014 4:08:00 AM	4.02	36.5
03/12/2014 4:09:00 AM	3.83	37.5
03/12/2014 4:10:00 AM	4.31	37.6
03/12/2014 4:11:00 AM	3.77	38.3
03/12/2014 4:12:00 AM	4.07	38.5
03/12/2014 4:14:00 AM	4.39	38.8
03/12/2014 4:15:00 AM	4.07	38.2
03/12/2014 4:16:00 AM	3.70	38.4
03/12/2014 4:17:00 AM	3.86	42.6
03/12/2014 4:18:00 AM	3.96	39.0
03/12/2014 4:19:00 AM	3.81	38.2
03/12/2014 4:21:00 AM	3.74	39.1
03/12/2014 4:22:00 AM	3.89	37.7
03/12/2014 4:23:00 AM	4.01	38.4
03/12/2014 4:24:00 AM	4.03	37.7
03/12/2014 4:25:00 AM	3.78	38.1
03/12/2014 4:27:00 AM	3.61	37.5
03/12/2014 4:29:00 AM	3.56	38.5
03/12/2014 4:35:00 AM	3.92	36.5
03/12/2014 4:58:00 AM	3.78	33.7
03/12/2014 4:59:00 AM	4.10	33.1
03/13/2014 4:50:00 AM	3.99	36.3
03/13/2014 4:59:00 AM	3.53	38.8
03/14/2014 10:12:00 PM	7.29	49.3
03/14/2014 10:13:00 PM	7.30	51.3
03/14/2014 10:15:00 PM	7.27	53.3
03/14/2014 10:56:00 PM	7.48	50.2
03/14/2014 10:57:00 PM	7.44	48.0
03/14/2014 10:58:00 PM	7.15	43.2
03/14/2014 10:59:00 PM	5.98	45.2
03/14/2014 11:00:00 PM	6.43	44.6
03/14/2014 11:01:00 PM	6.20	46.8
03/14/2014 11:02:00 PM	6.40	49.0
03/14/2014 11:03:00 PM	6.23	45.0
03/14/2014 11:04:00 PM	5.55	44.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/14/2014 11:05:00 PM	5.92	43.3
03/14/2014 11:06:00 PM	5.62	43.0
03/14/2014 11:07:00 PM	5.63	43.3
03/14/2014 11:08:00 PM	5.03	41.7
03/14/2014 11:09:00 PM	5.09	42.6
03/14/2014 11:10:00 PM	5.58	43.1
03/14/2014 11:11:00 PM	5.82	42.6
03/14/2014 11:12:00 PM	5.49	42.2
03/14/2014 11:13:00 PM	5.30	41.3
03/14/2014 11:14:00 PM	4.95	45.0
03/14/2014 11:15:00 PM	6.09	45.5
03/14/2014 11:16:00 PM	5.61	47.6
03/14/2014 11:17:00 PM	5.55	42.9
03/14/2014 11:18:00 PM	4.77	43.8
03/14/2014 11:19:00 PM	5.02	41.2
03/14/2014 11:20:00 PM	4.96	42.4
03/14/2014 11:21:00 PM	5.31	43.2
03/14/2014 11:22:00 PM	5.78	42.6
03/14/2014 11:23:00 PM	5.35	43.4
03/14/2014 11:24:00 PM	5.34	43.3
03/14/2014 11:25:00 PM	5.64	42.6
03/14/2014 11:26:00 PM	5.41	42.7
03/14/2014 11:27:00 PM	5.65	43.9
03/14/2014 11:28:00 PM	5.90	43.5
03/14/2014 11:29:00 PM	5.42	45.9
03/14/2014 11:30:00 PM	6.08	44.0
03/14/2014 11:31:00 PM	5.75	43.8
03/14/2014 11:32:00 PM	5.73	45.6
03/14/2014 11:33:00 PM	5.80	42.1
03/14/2014 11:34:00 PM	5.14	41.5
03/14/2014 11:35:00 PM	5.04	41.7
03/14/2014 11:36:00 PM	5.40	41.7
03/14/2014 11:37:00 PM	5.00	42.4
03/14/2014 11:38:00 PM	5.12	43.4
03/14/2014 11:39:00 PM	5.40	45.2
03/14/2014 11:40:00 PM	4.98	42.7
03/14/2014 11:41:00 PM	5.23	42.2
03/14/2014 11:42:00 PM	5.18	44.3
03/14/2014 11:43:00 PM	5.77	42.7
03/14/2014 11:44:00 PM	5.29	42.5
03/14/2014 11:45:00 PM	4.82	42.1
03/14/2014 11:46:00 PM	4.84	42.3
03/14/2014 11:47:00 PM	4.57	41.8
03/14/2014 11:48:00 PM	4.49	42.0
03/14/2014 11:49:00 PM	4.40	42.8
03/14/2014 11:50:00 PM	3.74	43.4
03/14/2014 11:51:00 PM	4.20	43.7
03/14/2014 11:52:00 PM	4.34	43.6
03/14/2014 11:53:00 PM	4.64	42.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/14/2014 11:54:00 PM	4.05	41.7
03/14/2014 11:55:00 PM	4.28	43.9
03/14/2014 11:57:00 PM	4.70	43.5
03/14/2014 11:58:00 PM	5.82	42.2
03/14/2014 11:59:00 PM	5.38	43.0
03/15/2014 12:00:00 AM	5.36	42.6
03/15/2014 12:01:00 AM	5.30	42.4
03/15/2014 12:02:00 AM	4.91	44.1
03/15/2014 12:03:00 AM	5.33	44.7
03/15/2014 12:04:00 AM	5.77	46.3
03/15/2014 12:06:00 AM	4.96	42.1
03/15/2014 12:07:00 AM	4.68	41.9
03/15/2014 12:08:00 AM	4.85	41.7
03/15/2014 12:09:00 AM	4.94	41.8
03/15/2014 12:10:00 AM	4.67	42.5
03/15/2014 12:11:00 AM	5.26	42.8
03/15/2014 12:12:00 AM	5.10	45.4
03/15/2014 12:13:00 AM	4.91	42.5
03/15/2014 12:15:00 AM	5.25	41.6
03/15/2014 12:16:00 AM	4.51	42.1
03/15/2014 12:17:00 AM	4.55	42.2
03/15/2014 12:18:00 AM	4.72	41.3
03/15/2014 12:19:00 AM	4.74	48.4
03/15/2014 12:20:00 AM	4.93	41.5
03/15/2014 12:21:00 AM	4.60	41.4
03/15/2014 12:22:00 AM	4.83	42.5
03/15/2014 12:23:00 AM	4.52	45.3
03/15/2014 12:25:00 AM	4.33	47.2
03/15/2014 12:26:00 AM	4.79	42.1
03/15/2014 12:27:00 AM	3.75	40.9
03/15/2014 12:29:00 AM	3.52	41.1
03/15/2014 12:37:00 AM	4.08	41.2
03/15/2014 12:38:00 AM	4.82	41.7
03/15/2014 12:39:00 AM	4.08	41.9
03/15/2014 12:41:00 AM	5.91	44.2
03/15/2014 12:42:00 AM	5.56	42.5
03/15/2014 12:43:00 AM	5.61	43.9
03/15/2014 12:44:00 AM	6.14	43.0
03/15/2014 12:45:00 AM	5.73	41.5
03/15/2014 12:46:00 AM	4.69	42.4
03/15/2014 12:47:00 AM	4.69	45.0
03/15/2014 12:50:00 AM	5.12	41.1
03/15/2014 12:51:00 AM	4.27	41.9
03/15/2014 12:52:00 AM	5.09	42.5
03/15/2014 12:53:00 AM	5.28	43.8
03/15/2014 12:55:00 AM	4.54	42.4
03/15/2014 12:56:00 AM	5.64	42.4
03/15/2014 12:57:00 AM	5.02	42.9
03/15/2014 12:58:00 AM	5.44	41.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/15/2014 12:59:00 AM	5.28	46.1
03/15/2014 1:00:00 AM	6.24	44.0
03/15/2014 1:01:00 AM	5.34	44.3
03/15/2014 1:02:00 AM	6.10	42.5
03/15/2014 1:03:00 AM	5.12	42.0
03/15/2014 1:04:00 AM	4.83	44.4
03/15/2014 1:05:00 AM	5.76	44.6
03/15/2014 1:06:00 AM	6.01	44.9
03/15/2014 1:07:00 AM	5.77	43.0
03/15/2014 1:08:00 AM	5.44	43.8
03/15/2014 1:09:00 AM	5.64	42.7
03/15/2014 1:10:00 AM	5.04	41.6
03/15/2014 1:11:00 AM	4.61	42.3
03/15/2014 1:12:00 AM	5.25	41.3
03/15/2014 1:13:00 AM	3.80	46.7
03/15/2014 1:22:00 AM	6.01	44.9
03/15/2014 1:23:00 AM	6.14	47.2
03/15/2014 1:24:00 AM	6.73	43.2
03/15/2014 1:25:00 AM	5.73	42.4
03/15/2014 1:29:00 AM	5.99	46.3
03/15/2014 1:30:00 AM	6.24	46.8
03/15/2014 1:31:00 AM	6.65	48.1
03/15/2014 1:32:00 AM	6.55	45.5
03/15/2014 1:33:00 AM	6.27	46.0
03/15/2014 1:34:00 AM	5.70	48.5
03/15/2014 1:35:00 AM	6.09	50.4
03/15/2014 1:36:00 AM	7.48	46.2
03/15/2014 1:37:00 AM	6.00	46.0
03/15/2014 1:38:00 AM	6.61	48.4
03/15/2014 1:39:00 AM	6.82	51.1
03/15/2014 1:40:00 AM	7.33	49.5
03/15/2014 1:41:00 AM	6.79	50.5
03/15/2014 1:42:00 AM	7.25	49.6
03/15/2014 1:43:00 AM	7.32	49.5
03/15/2014 1:44:00 AM	7.10	50.3
03/15/2014 1:45:00 AM	7.38	52.7
03/15/2014 1:50:00 AM	7.02	47.8
03/15/2014 1:51:00 AM	6.89	48.9
03/15/2014 1:52:00 AM	7.00	53.9
03/15/2014 1:54:00 AM	7.15	48.3
03/15/2014 1:55:00 AM	6.87	48.3
03/15/2014 1:56:00 AM	6.87	48.1
03/15/2014 1:57:00 AM	7.19	49.7
03/15/2014 1:58:00 AM	7.44	48.2
03/15/2014 1:59:00 AM	6.90	48.6
03/15/2014 2:00:00 AM	7.01	48.5
03/15/2014 2:01:00 AM	6.96	48.3
03/15/2014 2:02:00 AM	6.90	49.4
03/15/2014 2:03:00 AM	7.45	48.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/15/2014 2:04:00 AM	6.87	50.0
03/15/2014 2:05:00 AM	7.35	50.6
03/15/2014 2:06:00 AM	7.48	51.4
03/15/2014 2:08:00 AM	7.18	53.0
03/15/2014 2:13:00 AM	7.41	49.8
03/15/2014 2:14:00 AM	7.31	52.2
03/15/2014 2:18:00 AM	7.00	47.5
03/15/2014 2:19:00 AM	6.71	50.3
03/15/2014 2:20:00 AM	7.06	50.7
03/15/2014 2:32:00 AM	7.30	50.6
03/15/2014 2:34:00 AM	7.50	49.2
03/15/2014 2:35:00 AM	7.10	48.6
03/15/2014 2:36:00 AM	6.88	47.8
03/15/2014 2:37:00 AM	7.10	47.4
03/15/2014 2:38:00 AM	6.75	49.4
03/15/2014 2:39:00 AM	7.35	47.7
03/15/2014 2:40:00 AM	6.72	46.8
03/15/2014 2:41:00 AM	6.59	49.1
03/15/2014 2:42:00 AM	7.14	50.0
03/15/2014 2:43:00 AM	7.26	48.6
03/15/2014 2:44:00 AM	7.08	49.5
03/15/2014 2:45:00 AM	7.30	51.6
03/15/2014 2:48:00 AM	7.03	48.8
03/15/2014 2:49:00 AM	7.26	53.1
03/15/2014 2:51:00 AM	7.28	50.6
03/15/2014 2:52:00 AM	7.50	51.7
03/15/2014 3:09:00 AM	7.09	48.6
03/15/2014 3:10:00 AM	7.43	47.7
03/15/2014 3:11:00 AM	7.00	50.9
03/15/2014 3:14:00 AM	7.19	49.6
03/15/2014 3:15:00 AM	7.47	48.7
03/15/2014 3:16:00 AM	7.24	48.1
03/15/2014 3:17:00 AM	6.84	45.4
03/15/2014 3:18:00 AM	6.44	49.7
03/15/2014 3:19:00 AM	7.31	50.3
03/15/2014 3:21:00 AM	6.68	47.9
03/15/2014 3:22:00 AM	7.08	48.3
03/15/2014 3:23:00 AM	7.31	48.2
03/15/2014 3:25:00 AM	7.27	49.6
03/15/2014 3:28:00 AM	7.05	47.0
03/15/2014 3:29:00 AM	6.86	46.7
03/15/2014 3:30:00 AM	6.88	45.3
03/15/2014 3:31:00 AM	6.50	44.5
03/15/2014 3:32:00 AM	6.31	49.9
03/15/2014 3:34:00 AM	6.95	48.0
03/15/2014 3:35:00 AM	6.94	46.1
03/15/2014 3:36:00 AM	6.51	49.0
03/15/2014 3:37:00 AM	7.29	46.6
03/15/2014 3:38:00 AM	6.51	49.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/15/2014 3:39:00 AM	7.45	47.2
03/15/2014 3:40:00 AM	6.76	47.7
03/15/2014 3:41:00 AM	6.98	47.3
03/15/2014 3:42:00 AM	6.90	44.8
03/15/2014 3:43:00 AM	6.51	46.4
03/15/2014 3:44:00 AM	7.03	43.8
03/15/2014 3:45:00 AM	6.05	48.5
03/15/2014 3:46:00 AM	7.21	48.0
03/15/2014 3:47:00 AM	7.13	48.1
03/15/2014 3:50:00 AM	6.99	46.5
03/15/2014 3:51:00 AM	6.76	43.8
03/15/2014 3:52:00 AM	6.13	42.0
03/15/2014 3:53:00 AM	5.44	42.0
03/15/2014 3:54:00 AM	5.26	42.4
03/15/2014 3:55:00 AM	5.79	42.8
03/15/2014 3:56:00 AM	5.67	43.8
03/15/2014 3:57:00 AM	5.69	43.0
03/15/2014 3:58:00 AM	5.57	45.5
03/15/2014 3:59:00 AM	5.32	44.2
03/15/2014 4:00:00 AM	6.22	47.3
03/15/2014 4:01:00 AM	6.70	45.8
03/15/2014 4:02:00 AM	6.57	48.2
03/15/2014 4:03:00 AM	7.36	46.7
03/15/2014 4:04:00 AM	6.67	46.4
03/15/2014 4:05:00 AM	6.60	43.1
03/15/2014 4:06:00 AM	5.79	44.1
03/15/2014 4:07:00 AM	6.14	43.4
03/15/2014 4:08:00 AM	6.00	45.7
03/15/2014 4:09:00 AM	6.37	47.0
03/15/2014 4:10:00 AM	6.44	43.3
03/15/2014 4:11:00 AM	6.00	47.2
03/15/2014 4:12:00 AM	7.01	44.2
03/15/2014 4:13:00 AM	6.05	44.6
03/15/2014 4:14:00 AM	6.05	43.1
03/15/2014 4:15:00 AM	5.69	46.0
03/15/2014 4:16:00 AM	6.50	42.9
03/15/2014 4:17:00 AM	5.64	43.1
03/15/2014 4:18:00 AM	5.45	42.9
03/15/2014 4:19:00 AM	5.53	44.0
03/15/2014 4:20:00 AM	5.70	45.1
03/15/2014 4:21:00 AM	6.35	44.0
03/15/2014 4:22:00 AM	5.78	44.9
03/15/2014 4:23:00 AM	5.57	45.4
03/15/2014 4:24:00 AM	5.61	47.6
03/15/2014 4:25:00 AM	5.80	45.3
03/15/2014 4:26:00 AM	5.44	43.9
03/15/2014 4:27:00 AM	5.40	43.8
03/15/2014 4:28:00 AM	5.56	45.2
03/15/2014 4:29:00 AM	6.04	44.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/15/2014 4:30:00 AM	5.72	44.4
03/15/2014 4:31:00 AM	5.69	45.4
03/15/2014 4:32:00 AM	6.47	45.2
03/15/2014 4:33:00 AM	6.26	44.7
03/15/2014 4:34:00 AM	5.91	44.7
03/15/2014 4:35:00 AM	5.80	45.0
03/15/2014 4:36:00 AM	5.86	46.5
03/15/2014 4:37:00 AM	6.62	44.6
03/15/2014 4:38:00 AM	5.70	43.5
03/15/2014 4:39:00 AM	5.53	44.4
03/15/2014 4:40:00 AM	5.72	45.1
03/15/2014 4:41:00 AM	5.80	43.9
03/15/2014 4:42:00 AM	5.59	44.1
03/15/2014 4:43:00 AM	5.89	48.8
03/15/2014 4:44:00 AM	6.95	46.8
03/15/2014 4:45:00 AM	6.60	46.1
03/15/2014 4:46:00 AM	6.73	46.1
03/15/2014 4:47:00 AM	6.60	48.1
03/15/2014 4:48:00 AM	6.72	47.4
03/15/2014 4:49:00 AM	6.90	45.7
03/15/2014 4:50:00 AM	6.26	44.1
03/15/2014 4:51:00 AM	5.69	46.4
03/15/2014 4:52:00 AM	6.60	47.1
03/15/2014 4:53:00 AM	6.68	47.8
03/15/2014 4:55:00 AM	6.92	50.8
03/15/2014 4:56:00 AM	7.26	48.0
03/15/2014 4:57:00 AM	6.86	52.3
03/16/2014 10:33:00 PM	3.61	30.3
03/16/2014 10:34:00 PM	4.02	28.2
03/16/2014 10:35:00 PM	3.60	39.4
03/16/2014 10:36:00 PM	3.62	30.1
03/16/2014 11:00:00 PM	4.04	46.5
03/16/2014 11:01:00 PM	3.87	29.0
03/16/2014 11:02:00 PM	3.59	31.3
03/16/2014 11:03:00 PM	3.71	32.0
03/16/2014 11:04:00 PM	3.97	34.3
03/16/2014 11:05:00 PM	4.71	32.8
03/16/2014 11:06:00 PM	3.85	30.9
03/16/2014 11:07:00 PM	3.84	28.5
03/17/2014 12:27:00 AM	3.68	43.8
03/17/2014 1:05:00 AM	4.30	30.0
03/17/2014 1:06:00 AM	3.80	27.0
03/17/2014 1:14:00 AM	3.61	35.9
03/17/2014 1:15:00 AM	4.06	30.2
03/17/2014 1:16:00 AM	3.58	29.2
03/17/2014 1:18:00 AM	4.23	32.4
03/17/2014 1:19:00 AM	4.07	33.4
03/17/2014 1:20:00 AM	4.06	30.3
03/17/2014 1:21:00 AM	3.74	32.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/17/2014 1:22:00 AM	3.71	38.3
03/17/2014 1:23:00 AM	4.50	37.3
03/17/2014 1:24:00 AM	4.84	35.8
03/17/2014 1:25:00 AM	4.37	37.5
03/17/2014 1:26:00 AM	4.38	36.1
03/17/2014 1:27:00 AM	4.40	35.1
03/17/2014 1:28:00 AM	4.64	39.3
03/17/2014 1:29:00 AM	5.12	37.0
03/17/2014 1:30:00 AM	4.70	37.1
03/17/2014 1:31:00 AM	4.73	37.8
03/17/2014 1:32:00 AM	4.85	36.1
03/17/2014 1:33:00 AM	4.08	36.5
03/17/2014 1:34:00 AM	4.43	35.5
03/17/2014 1:35:00 AM	4.55	36.1
03/17/2014 1:36:00 AM	4.21	40.1
03/17/2014 1:37:00 AM	5.07	38.6
03/17/2014 1:38:00 AM	4.70	37.3
03/17/2014 1:39:00 AM	4.75	35.4
03/17/2014 1:40:00 AM	3.84	36.1
03/17/2014 1:41:00 AM	4.29	36.4
03/17/2014 1:42:00 AM	4.22	39.1
03/17/2014 1:43:00 AM	4.70	37.9
03/17/2014 1:44:00 AM	4.75	37.1
03/17/2014 1:45:00 AM	4.35	36.4
03/17/2014 1:46:00 AM	4.17	38.1
03/17/2014 1:47:00 AM	4.79	36.1
03/17/2014 1:48:00 AM	4.40	37.3
03/17/2014 1:49:00 AM	4.46	36.5
03/17/2014 1:50:00 AM	4.35	35.9
03/17/2014 1:51:00 AM	4.05	39.6
03/17/2014 1:52:00 AM	4.97	37.9
03/17/2014 1:53:00 AM	4.72	36.8
03/17/2014 1:54:00 AM	4.42	37.7
03/17/2014 1:55:00 AM	4.67	39.6
03/17/2014 1:56:00 AM	4.82	37.5
03/17/2014 1:57:00 AM	4.36	34.2
03/17/2014 1:58:00 AM	3.81	35.9
03/17/2014 1:59:00 AM	4.26	36.9
03/17/2014 2:00:00 AM	4.31	34.3
03/17/2014 2:01:00 AM	4.07	35.4
03/17/2014 2:02:00 AM	4.21	36.9
03/17/2014 2:03:00 AM	4.36	34.3
03/17/2014 2:04:00 AM	4.22	32.4
03/17/2014 2:05:00 AM	3.93	35.9
03/17/2014 2:06:00 AM	4.25	38.4
03/17/2014 2:07:00 AM	4.69	35.5
03/17/2014 2:08:00 AM	4.15	33.5
03/17/2014 2:09:00 AM	4.02	35.4
03/17/2014 2:10:00 AM	4.38	33.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/17/2014 2:11:00 AM	3.71	31.0
03/17/2014 2:12:00 AM	3.89	30.4
03/17/2014 2:13:00 AM	3.68	30.3
03/17/2014 2:14:00 AM	3.51	29.2
03/17/2014 2:18:00 AM	3.67	31.1
03/17/2014 2:19:00 AM	3.73	31.9
03/17/2014 2:20:00 AM	3.70	33.3
03/17/2014 2:21:00 AM	3.89	35.5
03/17/2014 2:22:00 AM	4.42	35.0
03/17/2014 2:23:00 AM	4.19	33.8
03/17/2014 2:24:00 AM	3.78	34.2
03/17/2014 2:25:00 AM	4.01	33.4
03/17/2014 2:26:00 AM	3.87	37.5
03/17/2014 2:27:00 AM	4.72	37.5
03/17/2014 2:28:00 AM	4.74	35.3
03/17/2014 2:29:00 AM	4.27	32.0
03/17/2014 2:30:00 AM	3.70	32.0
03/17/2014 2:31:00 AM	3.55	33.7
03/17/2014 2:32:00 AM	4.06	34.3
03/17/2014 2:33:00 AM	4.09	31.7
03/17/2014 2:34:00 AM	3.60	33.1
03/17/2014 2:35:00 AM	3.54	33.6
03/17/2014 2:36:00 AM	3.93	34.4
03/17/2014 2:37:00 AM	4.02	35.7
03/17/2014 2:38:00 AM	4.12	35.7
03/17/2014 2:39:00 AM	4.18	34.5
03/17/2014 2:40:00 AM	4.04	35.6
03/17/2014 2:41:00 AM	4.11	36.6
03/17/2014 2:42:00 AM	4.34	37.3
03/17/2014 2:43:00 AM	4.51	37.8
03/17/2014 2:44:00 AM	4.30	36.5
03/17/2014 2:45:00 AM	4.21	37.9
03/17/2014 2:46:00 AM	4.64	35.7
03/17/2014 2:47:00 AM	4.08	34.9
03/17/2014 2:48:00 AM	3.55	37.1
03/17/2014 2:49:00 AM	4.51	37.4
03/17/2014 2:50:00 AM	4.63	37.4
03/17/2014 2:51:00 AM	4.47	36.2
03/17/2014 2:52:00 AM	4.10	35.9
03/17/2014 2:53:00 AM	4.14	34.9
03/17/2014 2:54:00 AM	3.75	36.4
03/17/2014 2:55:00 AM	4.21	39.4
03/17/2014 2:56:00 AM	4.98	36.0
03/17/2014 2:57:00 AM	4.15	38.2
03/17/2014 2:58:00 AM	4.74	37.6
03/17/2014 2:59:00 AM	4.14	37.7
03/17/2014 3:00:00 AM	4.63	37.7
03/17/2014 3:01:00 AM	4.46	38.6
03/17/2014 3:02:00 AM	4.77	37.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/17/2014 3:03:00 AM	4.59	37.7
03/17/2014 3:04:00 AM	4.77	38.6
03/17/2014 3:05:00 AM	4.80	38.7
03/17/2014 3:06:00 AM	4.69	43.5
03/17/2014 3:07:00 AM	5.28	38.6
03/17/2014 3:08:00 AM	4.93	40.7
03/17/2014 3:09:00 AM	4.76	41.1
03/17/2014 3:10:00 AM	5.28	40.0
03/17/2014 3:11:00 AM	5.21	42.3
03/17/2014 3:12:00 AM	5.49	41.9
03/17/2014 3:13:00 AM	5.60	39.7
03/17/2014 3:14:00 AM	5.08	37.2
03/17/2014 3:15:00 AM	4.72	37.0
03/17/2014 3:16:00 AM	4.32	38.6
03/17/2014 3:17:00 AM	4.74	39.0
03/17/2014 3:18:00 AM	4.74	38.0
03/17/2014 3:19:00 AM	4.65	39.3
03/17/2014 3:20:00 AM	4.93	41.3
03/17/2014 3:21:00 AM	5.51	42.1
03/17/2014 3:22:00 AM	5.68	41.7
03/17/2014 3:23:00 AM	5.51	43.7
03/17/2014 3:24:00 AM	5.95	43.8
03/17/2014 3:26:00 AM	6.48	44.4
03/17/2014 3:28:00 AM	6.38	39.9
03/17/2014 3:29:00 AM	5.15	41.4
03/17/2014 3:30:00 AM	5.46	42.6
03/17/2014 3:31:00 AM	5.67	39.3
03/17/2014 3:34:00 AM	6.13	41.6
03/17/2014 3:36:00 AM	5.94	43.0
03/17/2014 3:37:00 AM	5.39	40.3
03/17/2014 3:39:00 AM	5.72	44.6
03/17/2014 3:40:00 AM	6.23	41.5
03/17/2014 3:41:00 AM	5.77	42.4
03/17/2014 3:42:00 AM	5.88	40.4
03/17/2014 3:43:00 AM	5.38	42.8
03/17/2014 3:44:00 AM	5.65	41.0
03/17/2014 3:45:00 AM	5.53	44.6
03/17/2014 3:46:00 AM	5.96	44.6
03/17/2014 3:47:00 AM	6.21	39.2
03/17/2014 3:49:00 AM	5.48	42.4
03/17/2014 3:50:00 AM	5.42	42.9
03/17/2014 3:51:00 AM	5.61	43.1
03/17/2014 3:52:00 AM	5.62	43.9
03/17/2014 3:53:00 AM	5.75	46.8
03/17/2014 3:54:00 AM	5.48	41.9
03/17/2014 3:55:00 AM	5.44	40.8
03/17/2014 3:56:00 AM	5.09	35.2
03/17/2014 3:57:00 AM	3.86	33.2
03/17/2014 4:02:00 AM	3.84	41.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/17/2014 4:04:00 AM	4.15	35.2
03/17/2014 4:07:00 AM	3.63	34.3
03/17/2014 4:09:00 AM	4.15	34.9
03/17/2014 4:12:00 AM	3.81	37.8
03/17/2014 10:00:00 PM	6.46	45.4
03/17/2014 10:01:00 PM	6.39	45.9
03/17/2014 10:02:00 PM	5.85	42.3
03/17/2014 10:03:00 PM	5.38	39.5
03/17/2014 10:04:00 PM	5.04	42.0
03/17/2014 10:07:00 PM	6.21	41.2
03/17/2014 10:09:00 PM	6.10	46.3
03/17/2014 10:10:00 PM	6.32	46.3
03/17/2014 10:11:00 PM	6.70	41.7
03/17/2014 10:12:00 PM	5.75	41.3
03/17/2014 10:13:00 PM	5.62	41.2
03/17/2014 10:14:00 PM	5.39	41.4
03/17/2014 10:15:00 PM	6.01	43.8
03/17/2014 10:16:00 PM	6.05	46.8
03/17/2014 10:17:00 PM	5.88	41.3
03/17/2014 10:19:00 PM	6.18	45.7
03/17/2014 10:20:00 PM	5.54	44.0
03/17/2014 10:22:00 PM	6.24	44.0
03/17/2014 10:23:00 PM	6.40	43.3
03/17/2014 10:24:00 PM	6.30	44.2
03/17/2014 10:25:00 PM	6.45	42.6
03/17/2014 10:26:00 PM	5.81	43.7
03/17/2014 10:27:00 PM	5.90	45.3
03/17/2014 10:28:00 PM	5.95	44.2
03/17/2014 10:29:00 PM	5.11	40.6
03/17/2014 10:31:00 PM	4.64	38.7
03/17/2014 10:32:00 PM	4.62	36.7
03/17/2014 10:33:00 PM	4.29	37.1
03/17/2014 10:34:00 PM	4.52	39.1
03/17/2014 10:35:00 PM	5.15	36.9
03/17/2014 10:36:00 PM	4.25	38.7
03/17/2014 10:38:00 PM	4.84	36.5
03/17/2014 10:39:00 PM	4.26	37.0
03/17/2014 10:40:00 PM	3.88	37.5
03/17/2014 10:41:00 PM	5.04	42.6
03/17/2014 10:43:00 PM	4.36	42.2
03/17/2014 10:44:00 PM	5.12	41.6
03/17/2014 10:45:00 PM	5.12	39.0
03/17/2014 10:46:00 PM	4.82	40.1
03/17/2014 10:47:00 PM	5.25	40.2
03/17/2014 10:48:00 PM	5.07	43.0
03/17/2014 10:50:00 PM	4.75	42.5
03/17/2014 10:51:00 PM	5.86	39.9
03/17/2014 10:52:00 PM	5.22	39.1
03/17/2014 10:53:00 PM	5.05	37.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/17/2014 10:54:00 PM	5.01	39.5
03/17/2014 10:56:00 PM	5.22	38.6
03/17/2014 10:57:00 PM	5.23	40.6
03/17/2014 10:58:00 PM	6.09	44.7
03/17/2014 10:59:00 PM	5.02	40.7
03/17/2014 11:00:00 PM	5.55	47.0
03/17/2014 11:01:00 PM	5.70	44.9
03/17/2014 11:02:00 PM	5.80	39.2
03/17/2014 11:03:00 PM	5.20	39.1
03/17/2014 11:04:00 PM	5.22	38.7
03/17/2014 11:05:00 PM	5.36	37.9
03/17/2014 11:06:00 PM	4.41	40.1
03/17/2014 11:07:00 PM	4.24	48.1
03/17/2014 11:10:00 PM	4.85	40.3
03/17/2014 11:11:00 PM	5.73	39.6
03/17/2014 11:12:00 PM	4.84	38.1
03/17/2014 11:13:00 PM	4.57	40.4
03/17/2014 11:14:00 PM	5.72	37.3
03/17/2014 11:15:00 PM	5.09	41.4
03/17/2014 11:16:00 PM	5.67	37.1
03/17/2014 11:17:00 PM	5.06	42.2
03/17/2014 11:18:00 PM	4.33	38.0
03/17/2014 11:19:00 PM	4.56	42.9
03/17/2014 11:20:00 PM	5.62	39.2
03/17/2014 11:21:00 PM	5.09	38.4
03/17/2014 11:22:00 PM	4.72	36.8
03/17/2014 11:23:00 PM	4.68	37.8
03/17/2014 11:24:00 PM	5.13	35.2
03/17/2014 11:25:00 PM	4.67	36.2
03/17/2014 11:26:00 PM	4.45	37.7
03/17/2014 11:27:00 PM	4.44	38.8
03/17/2014 11:28:00 PM	3.82	36.7
03/17/2014 11:29:00 PM	4.60	36.8
03/17/2014 11:30:00 PM	4.32	37.2
03/17/2014 11:31:00 PM	4.54	35.9
03/17/2014 11:32:00 PM	4.06	35.0
03/17/2014 11:33:00 PM	3.82	35.8
03/17/2014 11:34:00 PM	3.85	37.4
03/17/2014 11:35:00 PM	4.40	36.1
03/17/2014 11:37:00 PM	4.25	36.7
03/17/2014 11:38:00 PM	4.44	36.9
03/17/2014 11:39:00 PM	4.33	36.4
03/17/2014 11:40:00 PM	3.99	44.6
03/17/2014 11:41:00 PM	3.80	36.4
03/17/2014 11:42:00 PM	4.00	35.2
03/17/2014 11:43:00 PM	3.91	35.4
03/17/2014 11:44:00 PM	4.03	35.7
03/17/2014 11:45:00 PM	4.41	35.9
03/17/2014 11:48:00 PM	3.87	42.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/17/2014 11:49:00 PM	3.84	35.0
03/17/2014 11:50:00 PM	3.52	35.5
03/17/2014 11:51:00 PM	3.64	36.5
03/17/2014 11:52:00 PM	3.66	36.3
03/17/2014 11:53:00 PM	3.60	37.2
03/17/2014 11:54:00 PM	4.01	34.5
03/17/2014 11:55:00 PM	4.01	37.8
03/17/2014 11:57:00 PM	4.32	36.3
03/17/2014 11:58:00 PM	3.74	38.9
03/17/2014 11:59:00 PM	3.68	36.4
03/18/2014 12:00:00 AM	4.29	35.7
03/18/2014 12:01:00 AM	4.53	35.2
03/18/2014 12:02:00 AM	4.25	35.1
03/18/2014 12:03:00 AM	4.33	34.2
03/18/2014 12:04:00 AM	3.82	44.2
03/18/2014 12:05:00 AM	3.65	35.5
03/18/2014 12:06:00 AM	4.49	34.9
03/18/2014 12:07:00 AM	4.38	36.4
03/18/2014 12:08:00 AM	4.66	35.6
03/18/2014 12:09:00 AM	4.45	35.0
03/18/2014 12:10:00 AM	4.22	38.7
03/18/2014 12:11:00 AM	4.50	43.3
03/18/2014 12:12:00 AM	4.93	36.7
03/18/2014 12:13:00 AM	4.96	36.1
03/18/2014 12:14:00 AM	4.76	37.1
03/18/2014 12:16:00 AM	4.65	38.8
03/18/2014 12:17:00 AM	5.25	39.4
03/18/2014 12:18:00 AM	4.81	40.3
03/18/2014 12:20:00 AM	4.83	37.5
03/18/2014 12:21:00 AM	4.82	38.1
03/18/2014 12:22:00 AM	4.67	36.5
03/18/2014 12:23:00 AM	4.58	37.5
03/18/2014 12:24:00 AM	4.85	42.5
03/18/2014 12:25:00 AM	4.39	39.1
03/18/2014 12:26:00 AM	4.86	38.7
03/18/2014 12:27:00 AM	4.69	42.7
03/18/2014 12:32:00 AM	5.46	37.7
03/18/2014 12:33:00 AM	4.87	37.9
03/18/2014 12:34:00 AM	4.44	42.5
03/18/2014 12:35:00 AM	4.01	48.5
03/18/2014 12:36:00 AM	4.13	43.6
03/18/2014 12:37:00 AM	4.15	41.3
03/18/2014 12:38:00 AM	4.37	44.9
03/18/2014 12:39:00 AM	3.73	46.6
03/18/2014 12:40:00 AM	3.86	45.8
03/18/2014 12:41:00 AM	4.14	38.7
03/18/2014 12:42:00 AM	4.10	39.1
03/18/2014 12:43:00 AM	4.50	41.0
03/18/2014 12:44:00 AM	4.39	40.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/18/2014 12:46:00 AM	4.48	45.4
03/18/2014 12:48:00 AM	4.33	44.2
03/18/2014 12:49:00 AM	4.44	44.6
03/18/2014 12:50:00 AM	4.11	44.3
03/18/2014 12:51:00 AM	4.31	44.9
03/18/2014 12:52:00 AM	4.48	45.0
03/18/2014 12:55:00 AM	3.87	45.5
03/18/2014 12:56:00 AM	3.69	43.1
03/18/2014 12:57:00 AM	4.57	43.0
03/18/2014 12:58:00 AM	3.98	41.9
03/18/2014 12:59:00 AM	3.96	42.3
03/18/2014 1:00:00 AM	4.60	40.1
03/18/2014 1:01:00 AM	4.37	41.9
03/18/2014 1:02:00 AM	4.55	36.1
03/18/2014 1:03:00 AM	3.98	35.0
03/18/2014 1:04:00 AM	4.16	31.2
03/18/2014 1:06:00 AM	4.26	34.1
03/18/2014 1:07:00 AM	4.10	33.4
03/18/2014 1:08:00 AM	3.72	34.7
03/18/2014 1:09:00 AM	3.97	36.8
03/18/2014 1:10:00 AM	4.52	34.1
03/18/2014 1:11:00 AM	4.09	34.7
03/20/2014 10:00:00 PM	5.62	40.7
03/20/2014 10:01:00 PM	5.19	43.6
03/20/2014 10:02:00 PM	4.51	39.4
03/20/2014 10:03:00 PM	4.64	38.5
03/20/2014 10:04:00 PM	4.02	39.3
03/20/2014 10:05:00 PM	4.34	41.4
03/20/2014 10:06:00 PM	4.56	41.2
03/20/2014 10:07:00 PM	4.63	40.1
03/20/2014 10:08:00 PM	4.93	39.1
03/20/2014 10:09:00 PM	4.52	39.8
03/20/2014 10:10:00 PM	4.14	42.1
03/20/2014 10:11:00 PM	3.95	40.2
03/20/2014 10:12:00 PM	4.26	36.9
03/20/2014 10:13:00 PM	3.87	40.7
03/20/2014 10:14:00 PM	5.00	37.9
03/20/2014 10:15:00 PM	4.17	42.7
03/20/2014 10:16:00 PM	3.90	39.0
03/20/2014 10:17:00 PM	3.80	39.0
03/20/2014 10:18:00 PM	4.73	40.6
03/20/2014 10:19:00 PM	5.23	38.5
03/20/2014 10:20:00 PM	4.39	40.3
03/20/2014 10:21:00 PM	3.93	42.2
03/20/2014 10:22:00 PM	4.67	39.9
03/20/2014 10:23:00 PM	4.28	40.9
03/20/2014 10:24:00 PM	4.04	45.4
03/20/2014 10:25:00 PM	4.66	39.0
03/20/2014 10:26:00 PM	3.72	38.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/20/2014 10:27:00 PM	3.92	38.5
03/20/2014 10:28:00 PM	4.17	44.9
03/20/2014 10:30:00 PM	5.15	40.4
03/20/2014 10:31:00 PM	4.18	39.1
03/20/2014 10:32:00 PM	4.31	39.1
03/20/2014 10:33:00 PM	4.05	39.1
03/20/2014 10:34:00 PM	4.31	46.7
03/20/2014 10:35:00 PM	5.04	39.5
03/20/2014 10:36:00 PM	4.08	38.7
03/20/2014 10:37:00 PM	3.92	37.9
03/20/2014 10:38:00 PM	3.58	39.6
03/20/2014 10:39:00 PM	3.96	38.5
03/20/2014 10:40:00 PM	3.69	38.6
03/20/2014 10:41:00 PM	4.00	39.0
03/20/2014 10:42:00 PM	4.67	39.0
03/20/2014 10:43:00 PM	4.15	40.2
03/20/2014 10:44:00 PM	4.27	40.1
03/20/2014 10:45:00 PM	4.53	41.4
03/20/2014 10:46:00 PM	4.33	40.3
03/20/2014 10:47:00 PM	3.66	43.6
03/20/2014 10:48:00 PM	4.19	39.1
03/20/2014 10:49:00 PM	4.38	38.5
03/20/2014 10:50:00 PM	4.84	38.2
03/20/2014 10:51:00 PM	4.31	38.9
03/20/2014 10:52:00 PM	4.26	42.8
03/20/2014 10:53:00 PM	4.17	41.1
03/20/2014 10:54:00 PM	3.59	41.8
03/20/2014 10:55:00 PM	3.74	39.6
03/20/2014 10:56:00 PM	4.56	41.2
03/20/2014 10:57:00 PM	4.56	41.3
03/20/2014 10:59:00 PM	5.47	43.3
03/20/2014 11:01:00 PM	4.56	40.5
03/20/2014 11:02:00 PM	4.75	40.1
03/20/2014 11:03:00 PM	4.39	43.7
03/20/2014 11:04:00 PM	4.70	41.9
03/20/2014 11:05:00 PM	4.35	39.1
03/20/2014 11:06:00 PM	4.27	39.3
03/20/2014 11:07:00 PM	4.32	40.8
03/20/2014 11:08:00 PM	4.78	42.2
03/20/2014 11:09:00 PM	4.36	39.1
03/20/2014 11:10:00 PM	3.93	42.7
03/20/2014 11:12:00 PM	5.30	42.1
03/20/2014 11:13:00 PM	4.79	39.8
03/20/2014 11:14:00 PM	4.01	39.1
03/20/2014 11:15:00 PM	4.00	40.0
03/20/2014 11:16:00 PM	4.64	39.8
03/20/2014 11:17:00 PM	4.26	39.2
03/20/2014 11:18:00 PM	3.65	38.6
03/20/2014 11:20:00 PM	3.75	42.1

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/20/2014 11:21:00 PM	4.87	38.3
03/20/2014 11:22:00 PM	4.55	39.3
03/20/2014 11:23:00 PM	4.57	39.6
03/20/2014 11:24:00 PM	4.04	38.6
03/20/2014 11:25:00 PM	4.31	43.8
03/20/2014 11:27:00 PM	4.55	42.3
03/20/2014 11:28:00 PM	4.96	38.9
03/20/2014 11:29:00 PM	4.03	41.1
03/20/2014 11:30:00 PM	4.83	40.4
03/20/2014 11:32:00 PM	5.00	42.0
03/20/2014 11:33:00 PM	5.12	41.8
03/20/2014 11:34:00 PM	4.57	38.7
03/20/2014 11:35:00 PM	4.47	39.1
03/20/2014 11:36:00 PM	4.76	40.0
03/20/2014 11:37:00 PM	4.35	38.8
03/20/2014 11:38:00 PM	3.89	39.2
03/20/2014 11:39:00 PM	4.58	41.5
03/20/2014 11:40:00 PM	4.21	42.4
03/20/2014 11:41:00 PM	3.74	38.7
03/20/2014 11:42:00 PM	4.28	40.7
03/20/2014 11:43:00 PM	3.97	40.6
03/20/2014 11:44:00 PM	5.18	41.6
03/20/2014 11:45:00 PM	4.52	41.3
03/20/2014 11:46:00 PM	3.80	39.1
03/20/2014 11:47:00 PM	4.64	39.3
03/20/2014 11:48:00 PM	4.57	42.3
03/20/2014 11:49:00 PM	4.79	40.8
03/20/2014 11:50:00 PM	4.29	41.2
03/20/2014 11:51:00 PM	4.31	41.1
03/20/2014 11:52:00 PM	4.98	39.9
03/20/2014 11:53:00 PM	4.08	39.8
03/20/2014 11:54:00 PM	4.16	44.6
03/20/2014 11:55:00 PM	4.68	41.0
03/20/2014 11:56:00 PM	4.18	40.1
03/20/2014 11:57:00 PM	4.21	38.5
03/20/2014 11:58:00 PM	3.88	39.4
03/20/2014 11:59:00 PM	4.86	39.9
03/21/2014 12:00:00 AM	5.15	38.7
03/21/2014 12:01:00 AM	4.78	41.7
03/21/2014 12:02:00 AM	5.77	39.3
03/21/2014 12:03:00 AM	4.78	39.8
03/21/2014 12:04:00 AM	4.82	39.3
03/21/2014 12:05:00 AM	4.83	38.5
03/21/2014 12:06:00 AM	5.11	39.7
03/21/2014 12:07:00 AM	5.18	40.9
03/21/2014 12:08:00 AM	5.52	39.8
03/21/2014 12:09:00 AM	5.13	37.3
03/21/2014 12:10:00 AM	4.14	39.8
03/21/2014 12:11:00 AM	5.18	43.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/21/2014 12:12:00 AM	5.08	40.6
03/21/2014 12:13:00 AM	5.23	38.4
03/21/2014 12:14:00 AM	4.72	41.4
03/21/2014 12:15:00 AM	5.54	41.8
03/21/2014 12:16:00 AM	4.89	39.4
03/21/2014 12:17:00 AM	4.20	44.0
03/21/2014 12:18:00 AM	4.38	38.7
03/21/2014 12:19:00 AM	4.33	40.6
03/21/2014 12:20:00 AM	4.97	40.5
03/21/2014 12:21:00 AM	4.60	39.7
03/21/2014 12:22:00 AM	4.53	38.5
03/21/2014 12:23:00 AM	4.27	40.9
03/21/2014 12:25:00 AM	4.98	36.4
03/21/2014 12:26:00 AM	4.45	37.1
03/21/2014 12:27:00 AM	4.46	44.7
03/21/2014 12:28:00 AM	4.27	37.3
03/21/2014 12:29:00 AM	4.42	38.6
03/21/2014 12:30:00 AM	4.10	39.9
03/21/2014 12:31:00 AM	4.29	38.8
03/21/2014 12:32:00 AM	3.94	38.2
03/21/2014 12:33:00 AM	4.66	38.2
03/21/2014 12:34:00 AM	3.99	36.4
03/21/2014 12:35:00 AM	3.62	34.5
03/21/2014 12:37:00 AM	3.59	34.3
03/21/2014 12:39:00 AM	3.51	35.2
03/21/2014 12:40:00 AM	3.76	37.0
03/21/2014 12:41:00 AM	4.67	34.6
03/21/2014 12:42:00 AM	3.76	33.7
03/21/2014 12:45:00 AM	3.85	35.2
03/21/2014 12:54:00 AM	3.70	33.3
03/21/2014 12:55:00 AM	3.77	32.6
03/21/2014 12:57:00 AM	3.89	35.0
03/21/2014 12:58:00 AM	3.94	37.3
03/21/2014 12:59:00 AM	3.77	34.4
03/21/2014 1:00:00 AM	3.70	35.7
03/21/2014 1:01:00 AM	4.20	44.7
03/21/2014 1:04:00 AM	3.50	33.1
03/21/2014 1:15:00 AM	3.70	34.8
03/21/2014 1:16:00 AM	3.96	35.1
03/21/2014 1:22:00 AM	5.13	33.3
03/21/2014 1:24:00 AM	3.51	33.4
03/21/2014 1:25:00 AM	3.75	35.0
03/21/2014 1:26:00 AM	4.10	32.7
03/21/2014 1:29:00 AM	4.03	43.0
03/21/2014 1:31:00 AM	3.66	34.9
03/21/2014 1:32:00 AM	4.12	32.8
03/21/2014 1:34:00 AM	4.06	33.8
03/21/2014 1:35:00 AM	3.76	33.8
03/21/2014 1:36:00 AM	3.65	33.1

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/21/2014 1:37:00 AM	3.96	32.4
03/21/2014 1:38:00 AM	3.72	32.7
03/21/2014 1:39:00 AM	3.72	33.1
03/21/2014 1:43:00 AM	3.55	33.1
03/21/2014 1:44:00 AM	3.53	33.4
03/21/2014 1:45:00 AM	3.56	34.0
03/21/2014 1:46:00 AM	3.78	35.1
03/21/2014 1:47:00 AM	4.53	34.3
03/21/2014 1:48:00 AM	4.21	34.2
03/21/2014 1:49:00 AM	4.05	34.1
03/21/2014 1:50:00 AM	3.59	35.0
03/21/2014 1:51:00 AM	3.65	34.7
03/21/2014 1:52:00 AM	3.58	31.2
03/21/2014 1:55:00 AM	3.59	33.3
03/21/2014 1:56:00 AM	3.77	31.8
03/21/2014 1:59:00 AM	3.96	33.4
03/21/2014 2:00:00 AM	3.81	33.1
03/21/2014 2:01:00 AM	3.94	33.5
03/21/2014 2:02:00 AM	3.84	31.3
03/21/2014 2:03:00 AM	3.70	33.0
03/21/2014 2:04:00 AM	3.77	32.7
03/21/2014 2:05:00 AM	3.51	34.1
03/21/2014 2:06:00 AM	4.07	34.2
03/21/2014 2:07:00 AM	4.06	32.7
03/21/2014 2:08:00 AM	4.08	31.6
03/21/2014 3:28:00 AM	4.16	31.7
03/21/2014 3:29:00 AM	3.83	31.8
03/21/2014 3:50:00 AM	4.04	35.8
03/21/2014 3:51:00 AM	4.40	34.8
03/21/2014 3:52:00 AM	4.04	36.1
03/21/2014 3:53:00 AM	3.76	39.6
03/21/2014 3:54:00 AM	5.24	37.9
03/21/2014 3:55:00 AM	4.68	41.0
03/21/2014 3:56:00 AM	5.60	40.4
03/21/2014 3:57:00 AM	5.44	42.1
03/21/2014 3:58:00 AM	5.18	39.5
03/21/2014 3:59:00 AM	5.38	39.5
03/21/2014 4:00:00 AM	4.97	40.6
03/21/2014 4:01:00 AM	5.41	41.1
03/21/2014 4:02:00 AM	5.69	42.1
03/21/2014 4:03:00 AM	5.84	41.5
03/21/2014 4:04:00 AM	5.72	39.6
03/21/2014 4:05:00 AM	5.41	40.7
03/21/2014 4:06:00 AM	5.64	39.1
03/21/2014 4:07:00 AM	5.25	39.5
03/21/2014 4:08:00 AM	5.51	40.4
03/21/2014 4:09:00 AM	5.46	38.9
03/21/2014 4:10:00 AM	5.48	37.6
03/21/2014 4:11:00 AM	5.00	38.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/21/2014 4:12:00 AM	5.30	37.7
03/21/2014 4:13:00 AM	4.77	36.5
03/21/2014 4:14:00 AM	4.17	36.8
03/21/2014 4:15:00 AM	4.50	36.5
03/21/2014 4:16:00 AM	4.37	37.8
03/21/2014 4:17:00 AM	4.75	40.1
03/21/2014 4:18:00 AM	5.02	40.2
03/21/2014 4:19:00 AM	5.50	40.7
03/21/2014 4:20:00 AM	5.32	40.1
03/21/2014 4:21:00 AM	5.33	40.6
03/21/2014 4:22:00 AM	5.37	40.3
03/21/2014 4:23:00 AM	5.74	38.1
03/21/2014 4:24:00 AM	4.29	38.2
03/21/2014 4:26:00 AM	4.14	33.8
03/21/2014 4:27:00 AM	3.56	33.7
03/21/2014 4:28:00 AM	4.18	34.7
03/21/2014 4:29:00 AM	4.04	34.9
03/21/2014 4:30:00 AM	4.30	33.7
03/21/2014 4:31:00 AM	3.85	34.0
03/21/2014 4:32:00 AM	3.85	34.7
03/21/2014 4:33:00 AM	3.91	33.0
03/21/2014 4:34:00 AM	3.54	34.3
03/21/2014 4:36:00 AM	3.82	36.9
03/21/2014 4:37:00 AM	4.33	35.3
03/21/2014 4:38:00 AM	3.98	36.9
03/21/2014 4:40:00 AM	3.52	31.9
03/21/2014 4:42:00 AM	3.83	33.4
03/21/2014 4:43:00 AM	4.09	36.0
03/21/2014 4:44:00 AM	3.69	41.2
03/21/2014 4:46:00 AM	3.51	31.8
03/21/2014 4:56:00 AM	3.51	34.9
03/21/2014 4:57:00 AM	3.77	35.9
03/21/2014 4:58:00 AM	3.97	34.6
03/21/2014 10:00:00 PM	3.67	33.1
03/21/2014 10:01:00 PM	3.52	46.1
03/21/2014 10:02:00 PM	3.64	38.3
03/21/2014 10:07:00 PM	3.61	34.1
03/21/2014 10:10:00 PM	3.59	33.4
03/21/2014 10:11:00 PM	3.53	34.2
03/21/2014 10:12:00 PM	3.75	34.9
03/21/2014 10:15:00 PM	3.53	35.5
03/21/2014 10:16:00 PM	3.58	36.0
03/21/2014 11:16:00 PM	3.51	38.8
03/21/2014 11:18:00 PM	3.53	43.3
03/21/2014 11:31:00 PM	3.80	38.0
03/21/2014 11:39:00 PM	3.58	48.4
03/21/2014 11:41:00 PM	3.60	44.5
03/21/2014 11:45:00 PM	3.84	39.6
03/21/2014 11:46:00 PM	3.53	45.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/21/2014 11:48:00 PM	3.68	39.6
03/21/2014 11:52:00 PM	3.55	49.6
03/21/2014 11:53:00 PM	4.09	41.3
03/21/2014 11:54:00 PM	4.03	38.1
03/21/2014 11:55:00 PM	3.59	37.6
03/21/2014 11:56:00 PM	3.80	37.8
03/22/2014 1:11:00 AM	3.75	39.1
03/22/2014 1:13:00 AM	4.08	42.7
03/22/2014 1:14:00 AM	4.08	35.4
03/22/2014 1:16:00 AM	4.67	37.0
03/22/2014 2:36:00 AM	3.51	37.3
03/22/2014 2:38:00 AM	4.06	39.0
03/22/2014 4:20:00 AM	3.64	38.7
03/22/2014 4:45:00 AM	3.61	43.1
03/22/2014 4:46:00 AM	3.75	42.3
03/22/2014 4:47:00 AM	3.94	40.2
03/22/2014 4:48:00 AM	4.11	39.6
03/22/2014 4:49:00 AM	3.76	40.3
03/22/2014 10:00:00 PM	4.09	43.8
03/22/2014 10:05:00 PM	6.06	41.5
03/22/2014 10:06:00 PM	5.66	39.3
03/22/2014 10:30:00 PM	7.35	43.0
03/22/2014 10:32:00 PM	5.65	45.5
03/22/2014 10:50:00 PM	7.38	44.1
03/22/2014 10:51:00 PM	6.22	46.0
03/22/2014 10:55:00 PM	6.88	46.1
03/22/2014 10:56:00 PM	6.56	46.0
03/22/2014 10:58:00 PM	7.02	44.8
03/22/2014 11:00:00 PM	7.16	47.0
03/22/2014 11:01:00 PM	6.51	42.7
03/22/2014 11:02:00 PM	5.87	43.1
03/22/2014 11:04:00 PM	5.31	38.8
03/22/2014 11:05:00 PM	4.91	41.4
03/22/2014 11:06:00 PM	5.47	40.4
03/22/2014 11:07:00 PM	5.62	42.6
03/22/2014 11:08:00 PM	5.97	40.4
03/22/2014 11:09:00 PM	5.71	38.1
03/22/2014 11:10:00 PM	4.58	38.2
03/22/2014 11:11:00 PM	5.14	35.6
03/22/2014 11:12:00 PM	4.11	36.7
03/22/2014 11:16:00 PM	4.69	38.3
03/22/2014 11:17:00 PM	5.19	37.2
03/22/2014 11:19:00 PM	4.65	37.8
03/29/2014 4:56:00 AM	3.73	33.2
03/29/2014 4:57:00 AM	4.17	30.2
03/29/2014 4:58:00 AM	3.73	29.8
03/29/2014 4:59:00 AM	3.72	31.2
03/30/2014 1:28:00 AM	7.16	44.0
03/30/2014 1:34:00 AM	6.72	46.3

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
03/30/2014 1:37:00 AM	6.46	46.3
03/30/2014 1:50:00 AM	7.40	46.8
03/30/2014 1:51:00 AM	6.20	46.0
03/30/2014 1:55:00 AM	6.50	45.5
03/30/2014 1:58:00 AM	7.19	45.3
03/30/2014 2:00:00 AM	6.89	44.7
03/30/2014 2:02:00 AM	6.65	46.6
03/30/2014 2:03:00 AM	6.22	44.8
03/30/2014 2:05:00 AM	5.47	44.8
03/30/2014 2:14:00 AM	6.54	44.6
03/30/2014 2:18:00 AM	6.87	46.6
03/30/2014 2:39:00 AM	6.48	42.9
03/30/2014 2:44:00 AM	6.46	46.9
03/30/2014 2:47:00 AM	6.72	44.9
03/30/2014 2:58:00 AM	6.76	46.3
03/30/2014 2:59:00 AM	6.55	44.2
03/30/2014 3:07:00 AM	5.78	41.6
03/30/2014 3:08:00 AM	5.02	45.2
03/30/2014 3:09:00 AM	6.13	42.9
03/30/2014 3:10:00 AM	5.25	46.7
03/30/2014 3:11:00 AM	6.41	43.4
03/30/2014 3:12:00 AM	5.41	44.1
03/30/2014 3:13:00 AM	5.66	46.7
03/30/2014 3:16:00 AM	6.67	45.5
03/30/2014 3:18:00 AM	6.67	42.1
03/30/2014 3:26:00 AM	4.96	37.5
03/30/2014 3:36:00 AM	4.86	36.5
03/30/2014 3:37:00 AM	4.32	37.2
03/31/2014 10:52:00 PM	3.51	47.5
03/31/2014 10:53:00 PM	3.51	38.3
04/01/2014 1:33:00 AM	3.57	42.5
04/01/2014 1:36:00 AM	3.86	37.7
04/01/2014 1:39:00 AM	3.87	37.5
04/01/2014 1:44:00 AM	3.60	36.8
04/01/2014 1:45:00 AM	3.55	37.2
04/01/2014 1:47:00 AM	3.67	37.3
04/01/2014 1:50:00 AM	3.63	42.4
04/01/2014 1:51:00 AM	3.54	44.4
04/01/2014 1:54:00 AM	3.59	38.8
04/01/2014 3:22:00 AM	3.63	49.1
04/01/2014 3:23:00 AM	3.62	38.6
04/01/2014 3:25:00 AM	3.66	37.0
04/01/2014 3:26:00 AM	3.73	36.9
04/01/2014 3:27:00 AM	3.53	41.8
04/01/2014 4:48:00 AM	3.83	37.4
04/01/2014 4:50:00 AM	3.85	39.7
04/01/2014 4:51:00 AM	3.54	37.2
04/01/2014 10:01:00 PM	5.97	46.5
04/01/2014 10:02:00 PM	5.44	39.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/01/2014 10:04:00 PM	4.58	38.9
04/01/2014 10:05:00 PM	4.83	41.5
04/01/2014 10:06:00 PM	6.04	44.3
04/01/2014 10:07:00 PM	5.19	40.0
04/01/2014 10:08:00 PM	5.06	38.0
04/01/2014 10:09:00 PM	4.71	37.3
04/01/2014 10:10:00 PM	4.74	38.2
04/01/2014 10:11:00 PM	4.91	41.0
04/01/2014 10:12:00 PM	5.25	41.7
04/01/2014 10:14:00 PM	4.29	36.7
04/01/2014 10:15:00 PM	4.26	37.6
04/01/2014 10:16:00 PM	4.43	37.7
04/01/2014 10:17:00 PM	4.96	37.0
04/01/2014 10:18:00 PM	4.46	40.1
04/01/2014 10:19:00 PM	4.47	38.9
04/01/2014 10:21:00 PM	4.71	38.5
04/01/2014 10:22:00 PM	4.49	38.1
04/01/2014 10:23:00 PM	4.58	36.4
04/01/2014 10:24:00 PM	4.25	37.3
04/01/2014 10:25:00 PM	4.26	40.5
04/01/2014 10:26:00 PM	4.52	42.9
04/01/2014 10:27:00 PM	4.43	37.1
04/01/2014 10:28:00 PM	4.05	41.7
04/01/2014 10:29:00 PM	4.03	45.1
04/01/2014 10:30:00 PM	4.14	41.7
04/01/2014 10:31:00 PM	3.99	40.4
04/01/2014 10:32:00 PM	4.45	44.7
04/01/2014 10:33:00 PM	3.69	40.8
04/01/2014 10:35:00 PM	3.76	37.3
04/01/2014 10:36:00 PM	4.04	38.3
04/01/2014 10:37:00 PM	4.72	40.3
04/01/2014 10:38:00 PM	4.88	38.1
04/01/2014 10:39:00 PM	4.51	38.5
04/01/2014 10:40:00 PM	4.27	43.3
04/01/2014 10:41:00 PM	4.50	38.1
04/01/2014 10:42:00 PM	4.18	37.1
04/01/2014 10:43:00 PM	4.51	36.7
04/01/2014 10:44:00 PM	4.04	36.1
04/01/2014 10:45:00 PM	4.06	37.8
04/01/2014 10:46:00 PM	4.20	36.4
04/01/2014 10:47:00 PM	3.86	37.2
04/01/2014 10:48:00 PM	4.55	38.6
04/01/2014 10:49:00 PM	4.80	38.7
04/01/2014 10:50:00 PM	4.08	43.8
04/01/2014 10:51:00 PM	4.33	39.4
04/01/2014 10:52:00 PM	4.11	40.5
04/01/2014 10:53:00 PM	4.07	44.0
04/01/2014 10:54:00 PM	4.25	38.4
04/01/2014 10:55:00 PM	4.47	40.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/01/2014 10:58:00 PM	4.01	49.2
04/01/2014 10:59:00 PM	4.09	37.4
04/01/2014 11:00:00 PM	3.88	35.3
04/01/2014 11:01:00 PM	4.11	39.7
04/01/2014 11:02:00 PM	5.57	43.2
04/01/2014 11:03:00 PM	4.43	40.1
04/01/2014 11:04:00 PM	5.34	35.3
04/01/2014 11:05:00 PM	4.64	35.5
04/01/2014 11:09:00 PM	4.26	42.3
04/01/2014 11:10:00 PM	4.44	36.0
04/01/2014 11:11:00 PM	4.71	39.3
04/01/2014 11:12:00 PM	4.04	33.7
04/01/2014 11:13:00 PM	3.83	33.6
04/01/2014 11:15:00 PM	3.97	33.0
04/01/2014 11:16:00 PM	3.54	31.9
04/01/2014 11:59:00 PM	4.58	32.1
04/02/2014 12:00:00 AM	3.66	32.0
04/02/2014 12:02:00 AM	3.89	33.3
04/02/2014 12:03:00 AM	3.94	34.4
04/02/2014 12:04:00 AM	4.17	34.2
04/02/2014 12:05:00 AM	3.84	35.0
04/02/2014 12:06:00 AM	3.98	35.9
04/02/2014 12:07:00 AM	3.87	45.1
04/02/2014 12:08:00 AM	5.37	37.6
04/02/2014 12:09:00 AM	4.23	44.2
04/02/2014 12:10:00 AM	5.04	39.1
04/02/2014 12:11:00 AM	5.03	38.7
04/02/2014 12:12:00 AM	4.90	38.2
04/02/2014 12:13:00 AM	4.51	38.3
04/02/2014 12:14:00 AM	4.37	38.1
04/02/2014 12:15:00 AM	4.33	39.0
04/02/2014 12:16:00 AM	4.80	39.7
04/02/2014 12:17:00 AM	4.95	42.6
04/02/2014 12:18:00 AM	4.86	42.6
04/02/2014 12:19:00 AM	5.16	40.1
04/02/2014 12:20:00 AM	5.60	39.5
04/02/2014 12:21:00 AM	5.38	38.4
04/02/2014 12:22:00 AM	4.66	38.1
04/02/2014 12:23:00 AM	4.35	37.5
04/02/2014 12:24:00 AM	4.18	37.1
04/02/2014 12:25:00 AM	4.07	37.9
04/02/2014 12:26:00 AM	4.41	47.0
04/02/2014 12:27:00 AM	3.98	38.4
04/02/2014 12:28:00 AM	4.72	38.3
04/02/2014 12:29:00 AM	4.81	40.0
04/02/2014 12:30:00 AM	5.50	37.2
04/02/2014 12:31:00 AM	4.52	36.8
04/02/2014 12:32:00 AM	4.18	37.6
04/02/2014 12:33:00 AM	4.75	38.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/02/2014 12:34:00 AM	4.77	38.7
04/02/2014 12:35:00 AM	5.22	43.0
04/02/2014 12:36:00 AM	5.09	36.2
04/02/2014 12:37:00 AM	4.47	43.4
04/02/2014 12:38:00 AM	4.43	49.1
04/02/2014 12:39:00 AM	4.85	36.8
04/02/2014 12:40:00 AM	4.58	35.8
04/02/2014 12:41:00 AM	4.56	34.3
04/02/2014 12:42:00 AM	3.90	35.4
04/02/2014 12:43:00 AM	3.90	33.9
04/02/2014 12:51:00 AM	3.63	35.8
04/02/2014 12:52:00 AM	3.55	34.6
04/02/2014 12:55:00 AM	3.51	33.5
04/02/2014 12:58:00 AM	4.31	35.7
04/02/2014 1:00:00 AM	4.26	38.9
04/02/2014 1:02:00 AM	4.06	36.2
04/02/2014 1:04:00 AM	5.11	37.5
04/02/2014 1:05:00 AM	3.94	37.2
04/02/2014 1:06:00 AM	4.15	37.3
04/02/2014 1:07:00 AM	4.08	36.5
04/02/2014 1:08:00 AM	3.89	37.9
04/02/2014 1:09:00 AM	4.67	36.7
04/02/2014 1:10:00 AM	4.46	37.8
04/02/2014 1:11:00 AM	4.68	36.5
04/02/2014 1:12:00 AM	4.01	37.3
04/02/2014 1:13:00 AM	4.17	36.4
04/02/2014 1:14:00 AM	4.11	37.1
04/02/2014 1:15:00 AM	4.09	37.1
04/02/2014 1:16:00 AM	3.71	39.6
04/02/2014 1:17:00 AM	3.60	37.2
04/02/2014 1:18:00 AM	4.21	38.3
04/02/2014 1:19:00 AM	4.38	38.6
04/02/2014 1:20:00 AM	4.65	38.9
04/02/2014 1:21:00 AM	4.15	37.2
04/02/2014 1:22:00 AM	4.05	37.3
04/02/2014 1:23:00 AM	4.22	41.6
04/02/2014 1:24:00 AM	4.13	38.5
04/02/2014 1:25:00 AM	3.96	38.5
04/02/2014 1:26:00 AM	3.91	40.7
04/02/2014 1:27:00 AM	5.26	39.7
04/02/2014 1:28:00 AM	4.63	40.4
04/02/2014 1:29:00 AM	4.20	40.7
04/02/2014 1:30:00 AM	4.46	42.7
04/02/2014 1:31:00 AM	5.60	41.1
04/02/2014 1:32:00 AM	4.77	41.0
04/02/2014 1:33:00 AM	4.82	39.9
04/02/2014 1:34:00 AM	4.64	41.5
04/02/2014 1:35:00 AM	5.35	39.9
04/02/2014 1:36:00 AM	4.39	40.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/02/2014 1:37:00 AM	5.02	38.9
04/02/2014 1:38:00 AM	4.70	41.2
04/02/2014 1:39:00 AM	5.56	44.0
04/02/2014 1:40:00 AM	5.96	39.9
04/02/2014 1:41:00 AM	4.83	39.3
04/02/2014 1:42:00 AM	4.90	39.1
04/02/2014 1:43:00 AM	4.69	39.6
04/02/2014 1:44:00 AM	4.49	38.5
04/02/2014 1:45:00 AM	4.22	38.0
04/02/2014 1:46:00 AM	4.23	36.9
04/02/2014 1:47:00 AM	3.50	37.1
04/02/2014 1:48:00 AM	4.02	38.5
04/02/2014 1:49:00 AM	4.54	37.9
04/02/2014 1:50:00 AM	4.22	39.2
04/02/2014 1:51:00 AM	4.21	41.7
04/02/2014 1:52:00 AM	5.77	42.7
04/02/2014 1:53:00 AM	4.87	38.5
04/02/2014 1:54:00 AM	4.61	38.3
04/02/2014 1:55:00 AM	4.01	38.8
04/02/2014 1:56:00 AM	4.47	40.1
04/02/2014 1:57:00 AM	4.16	41.0
04/02/2014 1:58:00 AM	5.14	38.3
04/02/2014 1:59:00 AM	4.53	39.5
04/02/2014 2:00:00 AM	4.77	40.2
04/02/2014 2:01:00 AM	5.14	40.6
04/02/2014 2:02:00 AM	4.73	40.7
04/02/2014 2:03:00 AM	5.34	40.1
04/02/2014 2:04:00 AM	4.98	39.0
04/02/2014 2:05:00 AM	4.13	39.1
04/02/2014 2:06:00 AM	4.65	38.9
04/02/2014 2:07:00 AM	4.16	37.9
04/02/2014 2:08:00 AM	3.59	42.4
04/02/2014 2:10:00 AM	6.20	39.2
04/02/2014 2:11:00 AM	4.48	39.0
04/02/2014 2:12:00 AM	4.39	44.7
04/02/2014 2:13:00 AM	3.87	41.0
04/02/2014 2:17:00 AM	3.70	38.1
04/02/2014 2:18:00 AM	4.36	40.0
04/02/2014 2:19:00 AM	4.02	39.6
04/02/2014 2:20:00 AM	4.40	41.1
04/02/2014 2:21:00 AM	5.17	39.7
04/02/2014 2:22:00 AM	4.72	38.0
04/02/2014 2:23:00 AM	4.57	41.8
04/02/2014 2:24:00 AM	5.08	39.9
04/02/2014 2:25:00 AM	5.51	41.0
04/02/2014 2:26:00 AM	5.45	39.8
04/02/2014 2:27:00 AM	4.65	41.1
04/02/2014 2:28:00 AM	5.20	43.5
04/02/2014 2:29:00 AM	6.07	43.3

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/02/2014 2:30:00 AM	4.68	41.5
04/02/2014 2:31:00 AM	5.21	40.1
04/02/2014 2:32:00 AM	5.20	43.2
04/02/2014 2:33:00 AM	5.49	40.3
04/02/2014 2:34:00 AM	4.74	39.3
04/02/2014 2:35:00 AM	4.57	40.1
04/02/2014 2:36:00 AM	4.19	39.5
04/02/2014 2:37:00 AM	4.22	40.2
04/02/2014 2:38:00 AM	4.53	39.4
04/02/2014 2:39:00 AM	5.01	39.8
04/02/2014 2:40:00 AM	4.86	39.4
04/02/2014 2:41:00 AM	5.01	42.4
04/02/2014 2:43:00 AM	5.09	40.1
04/02/2014 2:44:00 AM	4.65	37.4
04/02/2014 2:45:00 AM	4.25	48.6
04/02/2014 2:47:00 AM	5.88	42.0
04/02/2014 2:48:00 AM	5.13	38.8
04/02/2014 2:49:00 AM	4.63	40.1
04/02/2014 2:50:00 AM	5.34	39.1
04/02/2014 2:51:00 AM	5.00	39.8
04/02/2014 2:52:00 AM	5.23	39.3
04/02/2014 2:53:00 AM	4.76	38.9
04/02/2014 2:54:00 AM	4.71	40.3
04/02/2014 2:55:00 AM	5.13	39.6
04/02/2014 2:56:00 AM	5.08	39.9
04/02/2014 2:57:00 AM	5.05	38.6
04/02/2014 2:58:00 AM	4.59	38.5
04/02/2014 2:59:00 AM	4.09	39.2
04/02/2014 3:00:00 AM	4.28	46.7
04/02/2014 3:01:00 AM	6.32	41.3
04/02/2014 3:02:00 AM	5.50	41.2
04/02/2014 3:03:00 AM	4.86	40.8
04/02/2014 3:04:00 AM	5.55	40.6
04/02/2014 3:05:00 AM	5.15	41.4
04/02/2014 3:06:00 AM	4.51	42.5
04/02/2014 3:07:00 AM	5.15	40.3
04/02/2014 3:08:00 AM	4.90	40.6
04/02/2014 3:09:00 AM	4.98	40.1
04/02/2014 3:10:00 AM	4.29	41.6
04/02/2014 3:11:00 AM	5.03	43.1
04/02/2014 3:12:00 AM	5.65	39.5
04/02/2014 3:13:00 AM	4.21	40.1
04/02/2014 3:14:00 AM	4.24	39.4
04/02/2014 3:15:00 AM	4.52	41.2
04/02/2014 3:17:00 AM	6.42	40.8
04/02/2014 3:18:00 AM	5.22	42.3
04/02/2014 3:19:00 AM	5.59	44.8
04/02/2014 3:20:00 AM	6.27	43.8
04/02/2014 3:21:00 AM	6.01	42.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/02/2014 3:23:00 AM	6.15	43.4
04/02/2014 3:24:00 AM	5.75	41.1
04/02/2014 3:25:00 AM	5.25	39.7
04/02/2014 3:26:00 AM	4.60	39.8
04/02/2014 3:27:00 AM	4.54	39.6
04/02/2014 3:28:00 AM	5.01	40.7
04/02/2014 3:29:00 AM	4.91	39.7
04/02/2014 3:30:00 AM	4.61	43.1
04/02/2014 3:31:00 AM	4.75	39.9
04/02/2014 3:32:00 AM	5.01	38.7
04/02/2014 3:33:00 AM	3.93	41.0
04/02/2014 3:34:00 AM	4.81	41.9
04/02/2014 3:35:00 AM	4.93	39.9
04/02/2014 3:36:00 AM	5.11	42.1
04/02/2014 3:37:00 AM	5.28	42.4
04/02/2014 3:38:00 AM	5.34	40.3
04/02/2014 3:39:00 AM	5.29	41.3
04/02/2014 3:40:00 AM	4.20	41.3
04/02/2014 3:41:00 AM	5.19	42.1
04/02/2014 3:42:00 AM	5.43	39.7
04/02/2014 3:43:00 AM	4.65	40.8
04/02/2014 3:44:00 AM	5.35	40.1
04/02/2014 3:45:00 AM	5.00	36.2
04/02/2014 3:46:00 AM	3.89	35.7
04/02/2014 3:47:00 AM	3.90	35.6
04/02/2014 3:48:00 AM	3.88	35.7
04/02/2014 3:49:00 AM	3.71	37.4
04/02/2014 3:51:00 AM	3.88	36.2
04/02/2014 4:13:00 AM	3.80	31.8
04/03/2014 10:00:00 PM	7.11	46.1
04/03/2014 10:01:00 PM	7.28	46.1
04/03/2014 10:02:00 PM	6.99	45.8
04/03/2014 10:10:00 PM	6.30	45.1
04/03/2014 10:13:00 PM	6.96	43.0
04/03/2014 10:14:00 PM	6.53	44.9
04/03/2014 10:15:00 PM	6.37	46.7
04/03/2014 10:16:00 PM	7.02	46.2
04/03/2014 10:20:00 PM	6.97	46.5
04/03/2014 10:21:00 PM	6.75	42.3
04/03/2014 10:24:00 PM	7.31	43.8
04/03/2014 10:25:00 PM	6.69	42.1
04/03/2014 10:26:00 PM	5.94	43.9
04/03/2014 10:36:00 PM	7.30	42.7
04/03/2014 10:37:00 PM	6.50	43.9
04/03/2014 10:38:00 PM	6.49	41.4
04/03/2014 10:39:00 PM	5.27	41.0
04/03/2014 10:44:00 PM	6.28	43.0
04/03/2014 10:45:00 PM	6.81	41.0
04/03/2014 10:46:00 PM	5.42	44.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/03/2014 10:47:00 PM	6.61	40.7
04/03/2014 10:48:00 PM	5.40	40.3
04/03/2014 10:53:00 PM	7.11	43.8
04/03/2014 10:56:00 PM	5.94	44.1
04/03/2014 10:57:00 PM	6.34	45.2
04/03/2014 10:58:00 PM	6.71	41.9
04/03/2014 10:59:00 PM	5.79	41.7
04/03/2014 11:00:00 PM	5.31	41.8
04/03/2014 11:01:00 PM	5.70	42.0
04/03/2014 11:03:00 PM	5.28	43.9
04/03/2014 11:04:00 PM	6.82	42.1
04/03/2014 11:05:00 PM	6.10	43.6
04/03/2014 11:07:00 PM	5.92	42.8
04/03/2014 11:08:00 PM	6.73	43.8
04/03/2014 11:09:00 PM	6.99	42.6
04/03/2014 11:10:00 PM	6.39	42.5
04/03/2014 11:12:00 PM	5.81	45.8
04/03/2014 11:13:00 PM	5.89	43.9
04/03/2014 11:14:00 PM	7.12	43.2
04/03/2014 11:15:00 PM	6.66	42.8
04/03/2014 11:16:00 PM	6.85	42.2
04/03/2014 11:17:00 PM	5.39	43.3
04/03/2014 11:19:00 PM	6.15	43.8
04/03/2014 11:20:00 PM	6.53	44.0
04/03/2014 11:21:00 PM	7.04	42.6
04/03/2014 11:22:00 PM	5.98	43.8
04/03/2014 11:24:00 PM	6.01	43.0
04/03/2014 11:25:00 PM	6.66	44.8
04/03/2014 11:26:00 PM	7.39	46.8
04/03/2014 11:29:00 PM	7.44	43.8
04/03/2014 11:30:00 PM	7.26	43.4
04/03/2014 11:31:00 PM	6.55	41.4
04/03/2014 11:32:00 PM	5.88	42.8
04/03/2014 11:33:00 PM	6.53	44.5
04/03/2014 11:34:00 PM	7.50	45.6
04/03/2014 11:36:00 PM	6.65	43.0
04/03/2014 11:38:00 PM	5.70	40.7
04/03/2014 11:39:00 PM	5.25	44.5
04/03/2014 11:41:00 PM	6.94	42.0
04/03/2014 11:42:00 PM	5.61	40.8
04/03/2014 11:43:00 PM	5.01	42.2
04/03/2014 11:46:00 PM	6.79	41.7
04/03/2014 11:47:00 PM	5.91	40.9
04/03/2014 11:48:00 PM	5.57	42.7
04/03/2014 11:49:00 PM	6.26	43.1
04/03/2014 11:50:00 PM	6.31	42.1
04/03/2014 11:51:00 PM	5.92	42.8
04/03/2014 11:52:00 PM	5.86	46.0
04/03/2014 11:53:00 PM	5.59	43.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/03/2014 11:56:00 PM	5.64	45.3
04/03/2014 11:57:00 PM	6.43	41.9
04/03/2014 11:58:00 PM	5.90	43.1
04/03/2014 11:59:00 PM	6.65	43.0
04/04/2014 12:00:00 AM	6.30	41.7
04/04/2014 12:01:00 AM	5.83	41.5
04/04/2014 12:02:00 AM	5.95	44.4
04/04/2014 12:03:00 AM	7.04	41.1
04/04/2014 12:04:00 AM	5.76	39.8
04/04/2014 12:05:00 AM	5.02	41.2
04/04/2014 12:06:00 AM	5.66	40.5
04/04/2014 12:07:00 AM	5.47	41.5
04/04/2014 12:09:00 AM	5.04	41.3
04/04/2014 12:10:00 AM	5.35	40.9
04/04/2014 12:11:00 AM	5.56	41.2
04/04/2014 12:12:00 AM	5.49	43.0
04/04/2014 12:13:00 AM	6.51	41.4
04/04/2014 12:14:00 AM	6.27	41.5
04/04/2014 12:15:00 AM	5.68	41.1
04/04/2014 12:16:00 AM	5.86	41.7
04/04/2014 12:18:00 AM	5.72	41.6
04/04/2014 12:19:00 AM	5.36	42.7
04/04/2014 12:26:00 AM	6.88	43.7
04/04/2014 12:28:00 AM	6.36	42.3
04/04/2014 12:29:00 AM	6.23	41.7
04/04/2014 12:30:00 AM	5.88	46.7
04/04/2014 12:31:00 AM	6.47	42.6
04/04/2014 12:32:00 AM	6.41	40.5
04/04/2014 12:34:00 AM	6.04	41.6
04/04/2014 12:35:00 AM	5.61	41.0
04/04/2014 12:36:00 AM	6.23	40.2
04/04/2014 12:37:00 AM	5.47	44.6
04/04/2014 12:39:00 AM	6.51	46.0
04/04/2014 12:40:00 AM	7.46	42.1
04/04/2014 12:41:00 AM	6.40	41.9
04/04/2014 12:42:00 AM	6.18	41.7
04/04/2014 12:43:00 AM	6.05	42.6
04/04/2014 12:44:00 AM	6.72	41.1
04/04/2014 12:45:00 AM	4.73	40.6
04/04/2014 12:46:00 AM	5.18	41.5
04/04/2014 12:47:00 AM	5.85	43.3
04/04/2014 12:48:00 AM	7.12	41.4
04/04/2014 12:49:00 AM	5.56	42.8
04/04/2014 12:50:00 AM	6.56	42.1
04/04/2014 12:51:00 AM	5.39	42.3
04/04/2014 12:52:00 AM	5.20	41.8
04/04/2014 12:53:00 AM	6.32	41.4
04/04/2014 12:54:00 AM	5.87	41.2
04/04/2014 12:56:00 AM	5.96	42.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/04/2014 12:57:00 AM	6.79	42.9
04/04/2014 12:58:00 AM	6.89	42.1
04/04/2014 12:59:00 AM	6.77	46.5
04/04/2014 1:02:00 AM	6.48	41.2
04/04/2014 1:03:00 AM	6.03	40.4
04/04/2014 1:04:00 AM	5.44	39.9
04/04/2014 1:05:00 AM	5.34	40.6
04/04/2014 1:06:00 AM	5.76	44.2
04/04/2014 1:08:00 AM	6.62	41.8
04/04/2014 1:09:00 AM	6.05	46.5
04/04/2014 1:11:00 AM	6.37	46.0
04/04/2014 1:12:00 AM	7.11	42.3
04/04/2014 1:13:00 AM	6.00	41.7
04/04/2014 1:14:00 AM	5.93	43.6
04/04/2014 1:15:00 AM	6.47	41.5
04/04/2014 1:16:00 AM	5.84	46.5
04/04/2014 1:19:00 AM	6.15	41.9
04/04/2014 1:20:00 AM	6.03	41.5
04/04/2014 1:21:00 AM	4.95	40.2
04/04/2014 1:22:00 AM	5.21	41.1
04/04/2014 1:23:00 AM	5.57	41.1
04/04/2014 1:24:00 AM	5.47	41.2
04/04/2014 1:25:00 AM	5.65	42.3
04/04/2014 1:26:00 AM	5.56	41.6
04/04/2014 1:27:00 AM	5.78	40.7
04/04/2014 1:28:00 AM	5.28	45.3
04/04/2014 1:29:00 AM	6.68	46.2
04/04/2014 1:32:00 AM	7.12	45.9
04/04/2014 1:33:00 AM	6.54	42.4
04/04/2014 1:34:00 AM	6.41	42.6
04/04/2014 1:35:00 AM	6.29	42.3
04/04/2014 1:36:00 AM	5.43	44.6
04/04/2014 1:37:00 AM	7.08	42.5
04/04/2014 1:38:00 AM	6.00	42.4
04/04/2014 1:39:00 AM	5.57	41.2
04/04/2014 1:40:00 AM	5.40	41.2
04/04/2014 1:41:00 AM	5.07	42.6
04/04/2014 1:42:00 AM	5.96	41.7
04/04/2014 1:43:00 AM	4.83	42.7
04/04/2014 1:44:00 AM	5.60	41.9
04/04/2014 1:45:00 AM	5.72	41.4
04/04/2014 1:46:00 AM	5.28	44.1
04/04/2014 1:47:00 AM	6.69	41.9
04/04/2014 1:48:00 AM	5.77	44.1
04/04/2014 1:49:00 AM	6.46	42.5
04/04/2014 1:50:00 AM	5.86	43.0
04/04/2014 1:51:00 AM	6.26	42.6
04/04/2014 1:52:00 AM	5.94	41.8
04/04/2014 1:53:00 AM	5.68	42.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/04/2014 1:54:00 AM	5.56	42.1
04/04/2014 1:56:00 AM	5.01	41.5
04/04/2014 1:57:00 AM	5.13	42.6
04/04/2014 1:58:00 AM	6.22	42.2
04/04/2014 1:59:00 AM	5.41	43.3
04/04/2014 2:00:00 AM	6.26	42.1
04/04/2014 2:01:00 AM	5.22	43.5
04/04/2014 2:02:00 AM	6.20	42.6
04/04/2014 2:03:00 AM	5.67	43.3
04/04/2014 2:05:00 AM	5.47	41.4
04/04/2014 2:06:00 AM	5.14	42.9
04/04/2014 2:07:00 AM	5.45	43.0
04/04/2014 2:08:00 AM	6.18	42.2
04/04/2014 2:09:00 AM	5.15	42.7
04/04/2014 2:10:00 AM	5.39	43.6
04/04/2014 2:11:00 AM	5.98	43.4
04/04/2014 2:12:00 AM	6.30	45.4
04/04/2014 2:13:00 AM	6.95	44.3
04/04/2014 2:14:00 AM	6.45	43.5
04/04/2014 2:15:00 AM	5.92	44.8
04/04/2014 2:16:00 AM	6.54	46.3
04/04/2014 2:17:00 AM	6.99	45.7
04/04/2014 2:18:00 AM	6.89	43.1
04/04/2014 2:19:00 AM	5.49	45.2
04/04/2014 2:20:00 AM	6.61	44.1
04/04/2014 2:21:00 AM	6.40	44.5
04/04/2014 2:22:00 AM	6.71	43.7
04/04/2014 2:24:00 AM	7.37	44.7
04/04/2014 2:25:00 AM	6.77	42.6
04/04/2014 2:26:00 AM	5.22	45.9
04/04/2014 2:27:00 AM	6.99	44.9
04/04/2014 2:29:00 AM	6.21	43.8
04/04/2014 2:30:00 AM	5.94	43.0
04/04/2014 2:32:00 AM	5.97	43.8
04/04/2014 2:34:00 AM	5.77	42.5
04/04/2014 2:35:00 AM	5.55	42.9
04/04/2014 2:36:00 AM	6.04	43.8
04/04/2014 2:43:00 AM	6.25	42.7
04/04/2014 2:44:00 AM	5.84	43.6
04/04/2014 2:57:00 AM	6.13	45.0
04/04/2014 2:58:00 AM	6.69	43.5
04/04/2014 2:59:00 AM	5.34	42.7
04/04/2014 3:00:00 AM	5.12	42.9
04/04/2014 3:01:00 AM	4.91	42.6
04/04/2014 3:02:00 AM	5.28	43.7
04/04/2014 3:03:00 AM	5.40	44.0
04/04/2014 3:04:00 AM	6.51	43.3
04/04/2014 3:05:00 AM	5.99	44.2
04/04/2014 3:34:00 AM	6.59	46.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/04/2014 3:39:00 AM	6.86	44.7
04/04/2014 3:40:00 AM	6.26	47.2
04/04/2014 3:41:00 AM	7.18	46.3
04/04/2014 3:42:00 AM	6.80	49.1
04/04/2014 3:45:00 AM	5.91	46.8
04/04/2014 3:46:00 AM	7.49	46.9
04/04/2014 3:49:00 AM	5.90	46.4
04/04/2014 3:50:00 AM	6.66	46.9
04/04/2014 3:52:00 AM	6.93	45.9
04/04/2014 3:54:00 AM	7.15	45.6
04/04/2014 3:55:00 AM	6.52	46.0
04/04/2014 3:56:00 AM	6.88	46.0
04/04/2014 3:57:00 AM	7.04	45.8
04/04/2014 4:00:00 AM	6.95	45.9
04/04/2014 4:01:00 AM	6.50	45.1
04/04/2014 4:02:00 AM	6.06	44.7
04/04/2014 4:03:00 AM	6.41	46.0
04/04/2014 4:04:00 AM	6.72	45.7
04/04/2014 4:05:00 AM	6.80	44.6
04/04/2014 4:06:00 AM	6.27	46.5
04/04/2014 4:07:00 AM	7.12	45.9
04/04/2014 4:08:00 AM	6.85	45.5
04/04/2014 4:09:00 AM	6.90	46.2
04/04/2014 4:10:00 AM	6.92	46.2
04/04/2014 4:11:00 AM	6.35	46.8
04/04/2014 4:12:00 AM	7.05	46.3
04/04/2014 4:13:00 AM	7.34	46.5
04/04/2014 4:15:00 AM	7.37	45.9
04/04/2014 4:16:00 AM	6.86	44.5
04/04/2014 4:17:00 AM	6.26	46.9
04/04/2014 4:18:00 AM	7.12	46.8
04/04/2014 4:19:00 AM	6.40	44.0
04/04/2014 4:20:00 AM	6.68	43.6
04/04/2014 4:21:00 AM	6.50	43.2
04/04/2014 4:22:00 AM	5.96	46.2
04/04/2014 4:23:00 AM	6.76	44.9
04/04/2014 4:24:00 AM	6.56	45.0
04/04/2014 4:25:00 AM	6.69	42.8
04/04/2014 4:26:00 AM	5.83	43.5
04/04/2014 4:28:00 AM	5.29	41.2
04/04/2014 4:29:00 AM	5.25	43.7
04/04/2014 4:30:00 AM	6.23	44.7
04/04/2014 4:31:00 AM	5.50	44.2
04/04/2014 4:32:00 AM	6.60	42.6
04/04/2014 4:33:00 AM	5.74	42.4
04/04/2014 4:34:00 AM	5.59	44.5
04/04/2014 4:35:00 AM	6.29	44.3
04/04/2014 4:36:00 AM	6.71	44.4
04/04/2014 4:37:00 AM	6.37	42.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/04/2014 4:38:00 AM	5.40	44.2
04/04/2014 4:40:00 AM	5.95	45.4
04/04/2014 4:41:00 AM	6.72	45.2
04/04/2014 4:42:00 AM	7.38	44.4
04/04/2014 4:43:00 AM	6.38	46.3
04/04/2014 4:44:00 AM	6.93	45.8
04/04/2014 4:45:00 AM	6.65	44.3
04/04/2014 4:46:00 AM	6.43	45.0
04/04/2014 4:48:00 AM	6.17	46.5
04/04/2014 4:50:00 AM	6.63	44.7
04/04/2014 4:52:00 AM	5.58	44.1
04/04/2014 4:54:00 AM	6.00	46.5
04/04/2014 4:55:00 AM	6.62	46.0
04/04/2014 4:56:00 AM	6.81	51.5
04/05/2014 11:17:00 PM	3.51	35.3
04/05/2014 11:18:00 PM	3.59	44.1
04/05/2014 11:34:00 PM	3.57	32.1
04/05/2014 11:37:00 PM	3.54	32.2
04/05/2014 11:38:00 PM	3.59	32.7
04/05/2014 11:39:00 PM	3.65	33.0
04/05/2014 11:41:00 PM	3.50	34.5
04/05/2014 11:42:00 PM	3.66	36.5
04/05/2014 11:43:00 PM	3.77	35.6
04/05/2014 11:45:00 PM	3.59	33.3
04/05/2014 11:46:00 PM	3.66	32.6
04/05/2014 11:47:00 PM	4.01	34.7
04/05/2014 11:48:00 PM	4.12	40.4
04/05/2014 11:49:00 PM	4.20	45.3
04/05/2014 11:50:00 PM	4.03	33.7
04/05/2014 11:51:00 PM	3.79	34.4
04/05/2014 11:52:00 PM	3.59	37.0
04/05/2014 11:53:00 PM	3.66	49.7
04/05/2014 11:54:00 PM	3.66	42.6
04/05/2014 11:55:00 PM	3.85	36.0
04/05/2014 11:56:00 PM	3.84	39.0
04/05/2014 11:57:00 PM	4.08	41.9
04/05/2014 11:58:00 PM	3.72	39.4
04/05/2014 11:59:00 PM	3.64	34.1
04/06/2014 12:00:00 AM	4.05	33.6
04/06/2014 12:01:00 AM	3.68	32.8
04/06/2014 12:02:00 AM	3.68	32.5
04/06/2014 12:03:00 AM	3.81	33.0
04/06/2014 12:04:00 AM	3.72	32.7
04/06/2014 12:05:00 AM	3.78	33.3
04/06/2014 12:06:00 AM	3.92	32.5
04/06/2014 12:07:00 AM	3.91	33.4
04/06/2014 12:08:00 AM	3.72	34.0
04/06/2014 12:09:00 AM	3.86	34.7
04/06/2014 12:10:00 AM	4.05	45.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/06/2014 12:11:00 AM	3.96	46.0
04/06/2014 12:12:00 AM	3.64	34.4
04/06/2014 12:13:00 AM	3.93	36.9
04/06/2014 12:14:00 AM	3.91	37.1
04/06/2014 12:15:00 AM	3.65	33.7
04/06/2014 12:16:00 AM	3.55	35.6
04/06/2014 12:18:00 AM	3.55	46.9
04/06/2014 12:20:00 AM	4.01	49.2
04/06/2014 12:22:00 AM	3.91	33.8
04/06/2014 12:25:00 AM	3.53	37.9
04/06/2014 12:27:00 AM	3.63	31.7
04/06/2014 12:28:00 AM	3.75	32.0
04/06/2014 12:29:00 AM	3.76	32.3
04/06/2014 12:30:00 AM	3.67	32.1
04/06/2014 12:31:00 AM	3.51	31.8
04/06/2014 12:37:00 AM	3.53	39.0
04/06/2014 12:38:00 AM	3.51	43.6
04/06/2014 12:43:00 AM	3.58	39.8
04/06/2014 12:44:00 AM	3.59	45.7
04/06/2014 12:45:00 AM	3.55	36.7
04/06/2014 12:48:00 AM	3.69	35.0
04/06/2014 12:49:00 AM	3.91	40.4
04/06/2014 12:50:00 AM	3.75	41.8
04/06/2014 12:51:00 AM	3.73	43.0
04/06/2014 12:52:00 AM	3.70	43.7
04/06/2014 12:53:00 AM	3.62	33.4
04/06/2014 12:55:00 AM	3.64	31.5
04/06/2014 12:56:00 AM	3.61	31.3
04/06/2014 4:02:00 AM	3.65	39.0
04/07/2014 2:47:00 AM	3.57	33.3
04/07/2014 2:49:00 AM	3.56	33.8
04/07/2014 2:50:00 AM	3.68	29.4
04/07/2014 2:51:00 AM	3.75	29.5
04/07/2014 2:52:00 AM	3.85	29.6
04/07/2014 2:53:00 AM	3.83	30.8
04/07/2014 2:54:00 AM	3.68	33.3
04/07/2014 2:55:00 AM	3.84	30.7
04/07/2014 2:56:00 AM	3.54	40.2
04/07/2014 3:00:00 AM	3.71	33.3
04/07/2014 3:24:00 AM	3.55	45.2
04/07/2014 3:49:00 AM	3.74	47.5
04/07/2014 4:16:00 AM	3.61	43.1
04/07/2014 4:17:00 AM	3.63	34.6
04/07/2014 4:18:00 AM	3.59	35.3
04/07/2014 4:19:00 AM	3.55	31.7
04/07/2014 4:22:00 AM	3.64	31.2
04/07/2014 4:23:00 AM	3.65	31.6
04/07/2014 4:24:00 AM	3.61	31.5
04/07/2014 4:25:00 AM	3.65	33.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/07/2014 4:26:00 AM	3.55	50.7
04/07/2014 4:27:00 AM	3.62	42.3
04/07/2014 4:30:00 AM	3.72	34.1
04/07/2014 4:31:00 AM	3.56	32.5
04/07/2014 4:33:00 AM	3.66	44.1
04/07/2014 4:38:00 AM	3.55	39.3
04/07/2014 4:40:00 AM	3.70	34.6
04/07/2014 4:42:00 AM	3.85	34.0
04/07/2014 4:43:00 AM	3.91	52.5
04/07/2014 4:44:00 AM	4.00	44.1
04/07/2014 4:45:00 AM	4.25	35.3
04/07/2014 4:46:00 AM	4.51	46.8
04/07/2014 4:47:00 AM	4.12	43.2
04/07/2014 4:48:00 AM	4.16	50.1
04/07/2014 4:49:00 AM	4.07	47.8
04/07/2014 4:50:00 AM	3.79	34.8
04/07/2014 4:51:00 AM	3.63	34.1
04/07/2014 4:54:00 AM	3.51	45.6
04/07/2014 4:55:00 AM	3.90	35.5
04/07/2014 4:56:00 AM	4.05	34.0
04/07/2014 4:57:00 AM	4.28	34.7
04/07/2014 4:58:00 AM	4.09	35.9
04/07/2014 4:59:00 AM	4.41	49.6
04/07/2014 11:24:00 PM	5.91	41.6
04/07/2014 11:25:00 PM	5.87	40.7
04/07/2014 11:26:00 PM	5.81	38.9
04/08/2014 12:08:00 AM	6.67	48.3
04/08/2014 12:09:00 AM	6.45	40.4
04/08/2014 12:10:00 AM	5.75	39.4
04/08/2014 12:11:00 AM	5.55	39.9
04/08/2014 12:12:00 AM	5.56	38.4
04/08/2014 12:13:00 AM	4.44	38.3
04/08/2014 12:14:00 AM	4.53	41.0
04/08/2014 1:56:00 AM	3.78	34.1
04/08/2014 1:57:00 AM	4.15	33.3
04/08/2014 1:58:00 AM	3.68	34.0
04/08/2014 1:59:00 AM	3.74	33.4
04/08/2014 2:00:00 AM	3.85	34.9
04/08/2014 2:01:00 AM	3.92	38.1
04/08/2014 2:02:00 AM	4.56	35.5
04/08/2014 2:03:00 AM	4.27	37.9
04/08/2014 2:04:00 AM	4.98	38.2
04/08/2014 2:05:00 AM	4.96	36.1
04/08/2014 2:06:00 AM	4.37	36.6
04/08/2014 2:07:00 AM	4.55	34.9
04/08/2014 2:08:00 AM	3.91	36.4
04/08/2014 2:09:00 AM	4.42	38.7
04/08/2014 2:10:00 AM	4.88	33.7
04/08/2014 2:11:00 AM	4.04	33.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/08/2014 2:12:00 AM	4.00	34.6
04/08/2014 2:13:00 AM	3.94	36.2
04/08/2014 2:14:00 AM	3.95	49.7
04/08/2014 2:15:00 AM	3.73	52.6
04/08/2014 2:16:00 AM	4.33	36.4
04/08/2014 2:17:00 AM	4.44	34.6
04/08/2014 2:18:00 AM	4.48	33.7
04/08/2014 2:19:00 AM	4.30	33.0
04/08/2014 2:20:00 AM	3.82	33.1
04/08/2014 2:22:00 AM	4.15	36.1
04/08/2014 2:23:00 AM	3.93	33.4
04/08/2014 2:24:00 AM	4.02	32.4
04/08/2014 2:25:00 AM	3.73	31.5
04/08/2014 2:26:00 AM	3.59	33.8
04/08/2014 2:27:00 AM	4.03	34.4
04/08/2014 2:28:00 AM	3.67	43.8
04/08/2014 2:30:00 AM	3.61	30.5
04/08/2014 2:35:00 AM	4.29	30.4
04/08/2014 2:36:00 AM	3.50	30.4
04/08/2014 2:41:00 AM	3.66	30.1
04/08/2014 3:03:00 AM	3.78	31.3
04/08/2014 3:07:00 AM	3.51	32.1
04/08/2014 3:10:00 AM	3.81	32.9
04/08/2014 3:11:00 AM	3.88	33.3
04/08/2014 3:12:00 AM	3.88	32.6
04/08/2014 3:13:00 AM	3.65	37.1
04/08/2014 3:14:00 AM	4.72	36.2
04/08/2014 3:15:00 AM	4.56	34.9
04/08/2014 3:16:00 AM	4.03	34.7
04/08/2014 3:17:00 AM	4.19	44.2
04/08/2014 3:18:00 AM	3.73	33.5
04/08/2014 3:19:00 AM	3.96	33.4
04/08/2014 3:20:00 AM	4.20	33.2
04/08/2014 3:21:00 AM	4.06	33.7
04/08/2014 3:22:00 AM	3.63	33.7
04/08/2014 3:23:00 AM	4.10	33.8
04/08/2014 3:24:00 AM	4.06	31.9
04/08/2014 3:25:00 AM	3.81	31.9
04/08/2014 3:26:00 AM	3.75	35.0
04/08/2014 3:27:00 AM	3.89	35.5
04/08/2014 3:28:00 AM	3.84	32.5
04/08/2014 3:30:00 AM	3.79	31.9
04/08/2014 3:42:00 AM	3.59	35.1
04/08/2014 3:43:00 AM	4.22	34.0
04/08/2014 3:44:00 AM	3.69	33.3
04/08/2014 3:47:00 AM	4.39	44.5
04/08/2014 4:04:00 AM	4.17	35.9
04/08/2014 4:05:00 AM	4.20	35.8
04/08/2014 4:06:00 AM	4.26	37.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/09/2014 3:30:00 AM	3.54	27.1
04/09/2014 3:31:00 AM	3.56	29.9
04/09/2014 3:32:00 AM	3.64	34.7
04/09/2014 3:33:00 AM	3.74	31.7
04/09/2014 3:34:00 AM	3.73	22.7
04/09/2014 3:35:00 AM	3.70	22.6
04/09/2014 11:10:00 PM	3.58	29.6
04/09/2014 11:23:00 PM	3.55	28.3
04/10/2014 4:39:00 AM	7.13	45.3
04/10/2014 4:40:00 AM	6.67	50.6
04/10/2014 4:41:00 AM	7.12	49.6
04/10/2014 4:43:00 AM	7.17	45.0
04/10/2014 4:44:00 AM	6.24	47.6
04/10/2014 4:45:00 AM	6.53	47.5
04/10/2014 4:46:00 AM	6.56	46.6
04/10/2014 4:47:00 AM	5.89	48.1
04/10/2014 4:48:00 AM	5.85	44.3
04/10/2014 4:49:00 AM	5.36	42.4
04/10/2014 4:50:00 AM	5.65	48.2
04/10/2014 4:51:00 AM	5.87	47.7
04/10/2014 4:52:00 AM	6.88	46.3
04/10/2014 4:53:00 AM	6.89	43.8
04/10/2014 4:54:00 AM	6.50	40.2
04/10/2014 4:55:00 AM	5.62	41.2
04/10/2014 4:56:00 AM	5.33	44.5
04/10/2014 4:57:00 AM	5.88	46.9
04/10/2014 4:58:00 AM	6.82	46.9
04/10/2014 4:59:00 AM	6.56	46.7
04/15/2014 11:08:00 PM	3.56	37.4
04/15/2014 11:09:00 PM	3.59	39.2
04/15/2014 11:12:00 PM	4.88	37.7
04/15/2014 11:25:00 PM	3.97	31.2
04/15/2014 11:32:00 PM	3.92	31.6
04/15/2014 11:57:00 PM	4.54	36.0
04/16/2014 12:01:00 AM	3.72	32.7
04/16/2014 12:21:00 AM	4.15	33.0
04/16/2014 12:24:00 AM	3.79	42.7
04/16/2014 12:25:00 AM	4.20	33.1
04/16/2014 12:26:00 AM	3.94	39.2
04/16/2014 12:29:00 AM	4.36	37.0
04/16/2014 12:30:00 AM	5.14	37.1
04/16/2014 12:31:00 AM	4.85	34.5
04/16/2014 12:32:00 AM	4.32	35.2
04/16/2014 12:33:00 AM	4.35	38.3
04/16/2014 12:34:00 AM	4.82	34.5
04/16/2014 12:35:00 AM	3.96	33.3
04/16/2014 12:36:00 AM	4.25	34.2
04/16/2014 12:37:00 AM	4.51	34.8
04/16/2014 12:39:00 AM	4.80	37.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/16/2014 12:40:00 AM	4.91	36.6
04/16/2014 12:43:00 AM	4.55	36.2
04/16/2014 12:44:00 AM	4.50	32.8
04/16/2014 12:46:00 AM	4.48	36.3
04/16/2014 12:47:00 AM	4.52	34.4
04/16/2014 12:49:00 AM	4.48	36.2
04/16/2014 12:50:00 AM	4.62	38.4
04/16/2014 12:51:00 AM	4.94	37.5
04/16/2014 12:52:00 AM	5.11	36.5
04/16/2014 12:54:00 AM	5.06	35.7
04/16/2014 12:55:00 AM	4.69	34.4
04/16/2014 12:58:00 AM	3.86	33.9
04/16/2014 12:59:00 AM	4.17	37.4
04/16/2014 1:00:00 AM	5.17	31.5
04/16/2014 1:01:00 AM	4.11	32.7
04/16/2014 1:02:00 AM	3.69	33.5
04/16/2014 1:03:00 AM	4.25	33.8
04/16/2014 1:04:00 AM	4.15	32.5
04/16/2014 1:05:00 AM	4.15	33.3
04/16/2014 1:06:00 AM	4.20	31.9
04/16/2014 1:07:00 AM	3.68	33.7
04/16/2014 1:08:00 AM	4.01	34.5
04/16/2014 1:09:00 AM	4.40	32.5
04/16/2014 1:10:00 AM	3.83	34.1
04/16/2014 1:11:00 AM	4.59	32.4
04/16/2014 1:12:00 AM	4.00	35.3
04/16/2014 1:13:00 AM	4.65	35.1
04/16/2014 1:14:00 AM	4.49	34.1
04/16/2014 1:15:00 AM	4.26	33.2
04/16/2014 1:16:00 AM	3.88	32.1
04/16/2014 1:18:00 AM	4.19	34.2
04/16/2014 1:19:00 AM	4.62	41.6
04/16/2014 1:20:00 AM	3.58	35.0
04/16/2014 1:21:00 AM	4.34	35.0
04/16/2014 1:22:00 AM	3.98	35.1
04/16/2014 1:23:00 AM	4.61	35.9
04/16/2014 1:24:00 AM	4.11	35.0
04/16/2014 1:26:00 AM	3.64	34.5
04/16/2014 1:27:00 AM	4.18	33.5
04/16/2014 1:30:00 AM	3.94	34.0
04/16/2014 1:32:00 AM	4.08	33.7
04/16/2014 1:35:00 AM	4.11	34.1
04/16/2014 1:41:00 AM	4.02	35.8
04/16/2014 1:43:00 AM	4.38	34.6
04/16/2014 1:48:00 AM	4.67	36.0
04/16/2014 1:51:00 AM	4.73	36.6
04/16/2014 1:52:00 AM	4.47	35.4
04/16/2014 1:54:00 AM	4.00	34.8
04/16/2014 1:55:00 AM	4.25	37.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/16/2014 1:56:00 AM	4.59	35.8
04/16/2014 1:57:00 AM	4.39	33.8
04/16/2014 1:58:00 AM	3.77	35.6
04/16/2014 1:59:00 AM	4.26	35.3
04/16/2014 2:01:00 AM	4.09	34.6
04/16/2014 2:39:00 AM	3.83	31.6
04/16/2014 2:47:00 AM	3.91	33.6
04/16/2014 2:55:00 AM	3.65	32.5
04/16/2014 2:57:00 AM	4.16	33.9
04/16/2014 11:37:00 PM	3.64	32.6
04/16/2014 11:41:00 PM	3.94	43.9
04/16/2014 11:47:00 PM	3.66	33.3
04/16/2014 11:53:00 PM	3.58	34.1
04/16/2014 11:54:00 PM	3.69	35.2
04/16/2014 11:55:00 PM	3.58	48.8
04/16/2014 11:56:00 PM	3.69	36.4
04/16/2014 11:57:00 PM	4.02	36.0
04/16/2014 11:58:00 PM	3.75	35.5
04/16/2014 11:59:00 PM	4.08	35.7
04/17/2014 12:00:00 AM	3.59	36.1
04/17/2014 12:01:00 AM	4.12	37.3
04/17/2014 12:02:00 AM	4.34	39.8
04/17/2014 12:04:00 AM	3.94	37.1
04/17/2014 12:05:00 AM	4.60	36.4
04/17/2014 12:06:00 AM	3.73	36.0
04/17/2014 12:10:00 AM	3.76	37.1
04/17/2014 12:11:00 AM	3.56	37.0
04/17/2014 12:13:00 AM	3.52	37.3
04/17/2014 12:14:00 AM	3.95	37.5
04/17/2014 12:16:00 AM	3.74	37.6
04/17/2014 12:18:00 AM	3.86	38.0
04/17/2014 12:19:00 AM	4.18	38.4
04/17/2014 12:21:00 AM	3.52	39.9
04/17/2014 12:22:00 AM	3.84	39.1
04/17/2014 12:23:00 AM	3.83	38.5
04/17/2014 12:25:00 AM	3.92	38.2
04/17/2014 12:28:00 AM	3.75	37.7
04/17/2014 12:31:00 AM	3.85	38.3
04/17/2014 12:32:00 AM	3.88	37.8
04/17/2014 12:34:00 AM	3.53	38.5
04/17/2014 12:42:00 AM	3.68	37.9
04/17/2014 12:44:00 AM	3.57	38.5
04/17/2014 12:46:00 AM	4.22	37.8
04/17/2014 12:48:00 AM	4.64	44.3
04/17/2014 12:49:00 AM	3.70	38.2
04/17/2014 12:50:00 AM	3.53	38.1
04/17/2014 12:51:00 AM	3.74	39.0
04/17/2014 12:52:00 AM	4.00	40.6
04/17/2014 12:54:00 AM	3.84	37.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/17/2014 12:55:00 AM	4.00	38.0
04/17/2014 12:57:00 AM	4.41	37.7
04/17/2014 12:58:00 AM	3.80	37.2
04/17/2014 1:00:00 AM	4.60	45.8
04/17/2014 1:03:00 AM	3.75	37.5
04/17/2014 1:04:00 AM	4.08	37.3
04/17/2014 1:05:00 AM	3.61	37.3
04/17/2014 1:08:00 AM	4.17	37.6
04/17/2014 1:09:00 AM	4.63	37.5
04/17/2014 1:10:00 AM	4.30	38.6
04/17/2014 1:11:00 AM	5.37	38.0
04/17/2014 1:12:00 AM	4.59	36.7
04/17/2014 1:13:00 AM	4.13	37.0
04/17/2014 1:16:00 AM	4.68	42.2
04/17/2014 1:17:00 AM	3.90	38.3
04/17/2014 1:18:00 AM	3.96	38.9
04/17/2014 1:19:00 AM	3.98	44.6
04/17/2014 1:20:00 AM	3.84	38.3
04/17/2014 1:21:00 AM	3.93	38.5
04/17/2014 1:24:00 AM	3.54	45.2
04/17/2014 1:25:00 AM	3.81	43.0
04/17/2014 1:27:00 AM	3.97	37.3
04/17/2014 1:28:00 AM	4.01	41.8
04/17/2014 1:30:00 AM	3.79	37.9
04/17/2014 1:32:00 AM	3.71	37.8
04/17/2014 1:33:00 AM	3.79	38.4
04/17/2014 1:34:00 AM	4.81	39.0
04/17/2014 1:35:00 AM	4.56	38.0
04/17/2014 1:37:00 AM	3.50	37.3
04/17/2014 1:39:00 AM	3.60	44.5
04/17/2014 1:42:00 AM	4.14	37.3
04/17/2014 1:43:00 AM	3.57	38.4
04/17/2014 1:44:00 AM	4.88	37.7
04/17/2014 1:47:00 AM	4.05	37.8
04/17/2014 1:53:00 AM	3.61	37.7
04/17/2014 1:54:00 AM	3.51	37.6
04/17/2014 1:55:00 AM	3.65	37.6
04/17/2014 1:57:00 AM	4.17	38.1
04/17/2014 1:58:00 AM	3.52	37.6
04/17/2014 2:04:00 AM	3.95	38.5
04/17/2014 2:05:00 AM	3.81	38.0
04/17/2014 2:07:00 AM	3.77	38.6
04/17/2014 2:08:00 AM	3.52	38.4
04/17/2014 2:10:00 AM	3.80	38.4
04/17/2014 2:11:00 AM	3.94	38.8
04/17/2014 2:12:00 AM	4.11	38.4
04/17/2014 2:13:00 AM	4.23	38.1
04/17/2014 2:19:00 AM	4.47	38.3
04/17/2014 2:20:00 AM	3.99	38.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/17/2014 2:21:00 AM	4.22	38.0
04/17/2014 2:23:00 AM	3.96	41.9
04/17/2014 2:24:00 AM	4.45	39.5
04/17/2014 2:25:00 AM	4.19	38.5
04/17/2014 2:27:00 AM	4.08	38.9
04/17/2014 2:31:00 AM	4.60	38.9
04/17/2014 2:32:00 AM	3.56	44.1
04/17/2014 2:33:00 AM	3.83	38.6
04/17/2014 2:34:00 AM	4.17	38.8
04/17/2014 2:35:00 AM	3.90	38.7
04/17/2014 2:36:00 AM	3.99	37.8
04/17/2014 2:37:00 AM	3.65	38.9
04/17/2014 2:40:00 AM	3.95	38.7
04/17/2014 2:41:00 AM	3.65	38.6
04/17/2014 2:42:00 AM	3.98	38.7
04/17/2014 2:43:00 AM	3.98	39.3
04/17/2014 2:44:00 AM	4.75	38.7
04/17/2014 2:45:00 AM	4.12	38.7
04/17/2014 2:46:00 AM	3.82	38.5
04/17/2014 2:47:00 AM	4.16	38.3
04/17/2014 2:48:00 AM	4.57	38.0
04/17/2014 2:49:00 AM	3.79	37.9
04/17/2014 2:50:00 AM	3.73	37.9
04/17/2014 2:54:00 AM	4.81	38.4
04/17/2014 2:55:00 AM	4.26	38.0
04/17/2014 2:57:00 AM	3.91	38.7
04/17/2014 2:59:00 AM	4.25	38.7
04/17/2014 3:00:00 AM	3.82	38.9
04/17/2014 3:01:00 AM	3.79	38.5
04/17/2014 3:02:00 AM	4.55	38.3
04/17/2014 3:06:00 AM	3.82	38.4
04/17/2014 3:07:00 AM	4.25	39.0
04/17/2014 3:08:00 AM	4.41	38.2
04/17/2014 3:09:00 AM	4.05	38.4
04/17/2014 3:11:00 AM	3.85	39.1
04/17/2014 3:12:00 AM	4.70	38.9
04/17/2014 3:13:00 AM	4.31	39.3
04/17/2014 3:14:00 AM	4.79	38.8
04/17/2014 3:15:00 AM	4.45	37.9
04/17/2014 3:19:00 AM	3.85	39.1
04/17/2014 3:20:00 AM	3.94	38.5
04/17/2014 3:21:00 AM	3.62	38.9
04/17/2014 3:22:00 AM	3.89	39.0
04/17/2014 3:23:00 AM	3.82	38.5
04/17/2014 3:24:00 AM	3.93	39.1
04/17/2014 3:25:00 AM	4.15	39.4
04/17/2014 3:26:00 AM	3.60	42.5
04/17/2014 3:28:00 AM	4.34	40.4
04/17/2014 3:29:00 AM	4.51	40.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/17/2014 3:30:00 AM	3.85	39.6
04/17/2014 3:31:00 AM	4.00	38.6
04/17/2014 3:32:00 AM	4.18	39.1
04/17/2014 3:33:00 AM	4.51	39.6
04/17/2014 3:35:00 AM	5.47	39.3
04/17/2014 3:36:00 AM	5.16	40.2
04/17/2014 3:39:00 AM	4.16	41.3
04/17/2014 3:40:00 AM	4.82	40.5
04/17/2014 3:41:00 AM	5.18	41.5
04/17/2014 3:42:00 AM	5.45	40.2
04/17/2014 3:44:00 AM	4.48	46.7
04/17/2014 3:46:00 AM	4.89	47.9
04/17/2014 3:47:00 AM	4.95	39.0
04/17/2014 3:48:00 AM	3.85	39.6
04/17/2014 3:51:00 AM	4.72	39.4
04/17/2014 3:52:00 AM	3.57	39.3
04/17/2014 3:53:00 AM	3.51	39.8
04/17/2014 3:54:00 AM	3.87	39.3
04/17/2014 3:55:00 AM	4.45	39.6
04/17/2014 3:56:00 AM	4.58	39.5
04/17/2014 3:57:00 AM	4.52	39.0
04/17/2014 3:58:00 AM	4.34	39.6
04/17/2014 3:59:00 AM	4.23	39.7
04/17/2014 4:00:00 AM	5.04	39.0
04/17/2014 4:02:00 AM	4.20	39.4
04/17/2014 4:04:00 AM	4.51	39.6
04/17/2014 4:06:00 AM	4.70	39.3
04/17/2014 4:07:00 AM	4.07	39.2
04/17/2014 4:09:00 AM	4.96	50.7
04/17/2014 4:10:00 AM	4.36	42.2
04/17/2014 4:11:00 AM	4.41	41.2
04/17/2014 4:12:00 AM	3.85	42.7
04/17/2014 4:13:00 AM	3.81	44.2
04/17/2014 4:14:00 AM	4.21	42.7
04/17/2014 4:15:00 AM	4.04	38.8
04/17/2014 4:16:00 AM	4.25	38.9
04/17/2014 4:17:00 AM	4.18	42.8
04/17/2014 4:18:00 AM	3.78	47.0
04/17/2014 4:19:00 AM	4.23	41.9
04/17/2014 4:20:00 AM	3.61	39.7
04/17/2014 4:21:00 AM	4.44	39.3
04/17/2014 4:22:00 AM	4.43	39.3
04/17/2014 4:23:00 AM	4.66	39.3
04/17/2014 4:24:00 AM	3.81	39.2
04/17/2014 4:25:00 AM	4.43	39.9
04/17/2014 4:26:00 AM	4.78	42.8
04/17/2014 4:27:00 AM	3.76	40.8
04/17/2014 4:28:00 AM	3.68	45.7
04/17/2014 4:29:00 AM	4.36	55.3

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/17/2014 4:30:00 AM	4.45	43.6
04/17/2014 4:31:00 AM	4.63	39.2
04/17/2014 4:34:00 AM	3.67	48.9
04/17/2014 4:35:00 AM	3.50	38.8
04/17/2014 4:36:00 AM	4.16	38.8
04/17/2014 4:38:00 AM	4.07	38.7
04/17/2014 4:39:00 AM	3.86	38.6
04/17/2014 4:40:00 AM	3.71	39.3
04/17/2014 4:42:00 AM	4.16	40.1
04/17/2014 4:43:00 AM	3.59	49.1
04/17/2014 4:44:00 AM	4.79	47.1
04/17/2014 4:46:00 AM	4.68	39.7
04/17/2014 4:47:00 AM	3.51	48.4
04/17/2014 4:48:00 AM	4.00	40.5
04/17/2014 4:49:00 AM	4.15	39.0
04/17/2014 4:50:00 AM	3.94	40.1
04/17/2014 4:51:00 AM	4.52	49.2
04/17/2014 4:52:00 AM	4.70	43.7
04/17/2014 4:54:00 AM	4.48	41.6
04/17/2014 4:56:00 AM	4.06	40.0
04/17/2014 4:57:00 AM	4.56	42.5
04/17/2014 4:58:00 AM	4.40	47.3
04/17/2014 4:59:00 AM	3.68	41.9
04/18/2014 4:31:00 AM	3.83	39.5
04/18/2014 4:32:00 AM	4.69	38.6
04/18/2014 4:33:00 AM	4.72	40.3
04/19/2014 10:12:00 PM	3.83	50.0
04/19/2014 10:38:00 PM	3.58	33.2
04/19/2014 10:42:00 PM	3.58	35.7
04/19/2014 10:50:00 PM	3.60	34.4
04/19/2014 10:53:00 PM	3.63	36.6
04/19/2014 10:54:00 PM	3.77	34.5
04/19/2014 10:55:00 PM	3.70	42.0
04/19/2014 10:56:00 PM	3.75	43.7
04/19/2014 10:57:00 PM	3.85	35.0
04/19/2014 10:58:00 PM	3.58	35.4
04/19/2014 10:59:00 PM	4.03	36.2
04/19/2014 11:00:00 PM	4.02	41.6
04/19/2014 11:01:00 PM	4.57	42.3
04/19/2014 11:02:00 PM	3.92	39.4
04/19/2014 11:03:00 PM	3.74	51.7
04/19/2014 11:04:00 PM	4.81	37.7
04/19/2014 11:05:00 PM	3.86	36.4
04/19/2014 11:06:00 PM	3.88	35.2
04/19/2014 11:08:00 PM	4.02	37.2
04/19/2014 11:09:00 PM	4.25	45.1
04/19/2014 11:10:00 PM	3.94	44.5
04/19/2014 11:11:00 PM	4.13	37.9
04/19/2014 11:12:00 PM	3.95	48.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/19/2014 11:13:00 PM	3.67	37.4
04/19/2014 11:15:00 PM	3.58	35.2
04/19/2014 11:17:00 PM	3.89	35.3
04/19/2014 11:25:00 PM	3.80	44.0
04/19/2014 11:29:00 PM	3.77	51.3
04/19/2014 11:30:00 PM	3.78	40.7
04/19/2014 11:31:00 PM	4.22	37.0
04/19/2014 11:35:00 PM	4.24	44.1
04/19/2014 11:39:00 PM	3.51	43.5
04/19/2014 11:40:00 PM	4.40	37.5
04/19/2014 11:41:00 PM	4.80	38.4
04/19/2014 11:42:00 PM	4.31	37.0
04/19/2014 11:43:00 PM	4.35	38.9
04/19/2014 11:44:00 PM	4.60	39.0
04/19/2014 11:45:00 PM	4.01	37.6
04/19/2014 11:49:00 PM	3.92	38.5
04/19/2014 11:50:00 PM	5.07	37.4
04/19/2014 11:51:00 PM	4.30	37.7
04/19/2014 11:52:00 PM	4.20	37.6
04/19/2014 11:53:00 PM	4.30	38.6
04/19/2014 11:54:00 PM	3.83	38.2
04/19/2014 11:56:00 PM	3.94	38.7
04/19/2014 11:58:00 PM	3.97	38.1
04/19/2014 11:59:00 PM	4.95	37.6
04/20/2014 12:00:00 AM	4.51	44.2
04/20/2014 12:01:00 AM	3.94	38.6
04/20/2014 12:02:00 AM	4.12	43.7
04/20/2014 12:05:00 AM	3.65	47.8
04/20/2014 12:07:00 AM	5.04	38.2
04/20/2014 12:11:00 AM	4.08	37.7
04/20/2014 12:12:00 AM	4.25	37.0
04/20/2014 12:13:00 AM	4.57	44.6
04/20/2014 12:14:00 AM	3.99	36.7
04/20/2014 12:15:00 AM	3.54	36.0
04/20/2014 12:17:00 AM	3.68	37.5
04/20/2014 12:18:00 AM	3.99	36.7
04/20/2014 12:19:00 AM	3.68	37.0
04/20/2014 12:20:00 AM	3.76	36.9
04/20/2014 12:21:00 AM	4.42	36.1
04/20/2014 12:22:00 AM	3.93	36.1
04/20/2014 12:23:00 AM	3.94	36.7
04/20/2014 12:24:00 AM	3.81	36.8
04/20/2014 12:25:00 AM	3.92	36.5
04/20/2014 12:27:00 AM	4.05	36.1
04/20/2014 12:30:00 AM	3.62	36.9
04/20/2014 12:31:00 AM	3.57	36.1
04/20/2014 12:33:00 AM	3.52	36.3
04/20/2014 12:35:00 AM	4.15	37.4
04/20/2014 12:36:00 AM	3.73	37.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/20/2014 12:39:00 AM	3.57	36.6
04/20/2014 12:42:00 AM	3.84	37.2
04/20/2014 12:43:00 AM	4.52	41.1
04/20/2014 12:44:00 AM	3.60	44.8
04/20/2014 12:45:00 AM	4.04	37.0
04/20/2014 12:51:00 AM	3.64	37.2
04/20/2014 12:52:00 AM	3.78	37.4
04/20/2014 12:53:00 AM	3.85	44.9
04/20/2014 12:54:00 AM	4.21	45.7
04/20/2014 12:56:00 AM	3.82	36.2
04/20/2014 12:58:00 AM	4.24	39.1
04/20/2014 12:59:00 AM	4.35	37.9
04/20/2014 1:00:00 AM	4.75	45.0
04/20/2014 1:01:00 AM	4.13	42.0
04/20/2014 1:02:00 AM	3.90	37.9
04/20/2014 1:03:00 AM	3.92	45.3
04/20/2014 1:04:00 AM	3.78	51.5
04/20/2014 1:05:00 AM	4.15	38.6
04/20/2014 1:06:00 AM	4.11	40.4
04/20/2014 1:07:00 AM	3.76	44.6
04/20/2014 1:08:00 AM	3.80	39.5
04/20/2014 1:09:00 AM	4.17	38.1
04/20/2014 1:10:00 AM	4.12	38.2
04/20/2014 1:11:00 AM	4.80	37.0
04/20/2014 1:12:00 AM	3.83	38.0
04/20/2014 1:13:00 AM	4.74	36.7
04/20/2014 1:14:00 AM	3.61	37.4
04/20/2014 1:15:00 AM	3.72	43.7
04/20/2014 1:16:00 AM	4.41	39.4
04/20/2014 1:17:00 AM	4.17	42.2
04/20/2014 1:18:00 AM	3.57	45.4
04/20/2014 1:19:00 AM	4.76	38.0
04/20/2014 1:20:00 AM	4.44	37.8
04/20/2014 1:21:00 AM	4.92	37.8
04/20/2014 1:22:00 AM	5.08	37.5
04/20/2014 1:23:00 AM	4.54	38.0
04/20/2014 1:24:00 AM	4.85	37.5
04/20/2014 1:25:00 AM	4.70	37.8
04/20/2014 1:26:00 AM	4.74	37.0
04/20/2014 1:27:00 AM	4.43	37.3
04/20/2014 1:28:00 AM	4.37	38.0
04/20/2014 1:29:00 AM	4.41	39.4
04/20/2014 1:30:00 AM	4.72	37.9
04/20/2014 1:31:00 AM	4.79	37.9
04/20/2014 1:32:00 AM	4.59	37.6
04/20/2014 1:33:00 AM	4.62	38.0
04/20/2014 1:34:00 AM	4.59	37.2
04/20/2014 1:35:00 AM	4.47	37.8
04/20/2014 1:36:00 AM	4.98	37.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/20/2014 1:37:00 AM	4.92	38.3
04/20/2014 1:38:00 AM	5.01	38.0
04/20/2014 1:39:00 AM	4.45	37.7
04/20/2014 1:40:00 AM	4.62	37.6
04/20/2014 1:41:00 AM	3.98	37.8
04/20/2014 1:42:00 AM	3.87	37.9
04/20/2014 1:43:00 AM	3.88	37.5
04/20/2014 1:44:00 AM	4.05	38.4
04/20/2014 1:45:00 AM	4.68	37.7
04/20/2014 1:46:00 AM	4.31	37.7
04/20/2014 1:47:00 AM	3.93	37.7
04/20/2014 1:48:00 AM	3.89	36.9
04/20/2014 1:50:00 AM	3.60	45.2
04/20/2014 1:51:00 AM	4.03	39.4
04/20/2014 1:52:00 AM	3.86	44.5
04/20/2014 1:53:00 AM	3.85	37.9
04/20/2014 1:54:00 AM	3.54	37.6
04/20/2014 1:56:00 AM	3.68	37.9
04/20/2014 1:57:00 AM	4.24	38.1
04/20/2014 1:58:00 AM	4.07	37.7
04/20/2014 1:59:00 AM	3.82	38.2
04/20/2014 2:00:00 AM	4.00	37.6
04/20/2014 2:01:00 AM	3.74	37.7
04/20/2014 2:03:00 AM	3.56	40.6
04/20/2014 2:04:00 AM	3.99	38.9
04/20/2014 2:05:00 AM	3.99	38.1
04/20/2014 2:06:00 AM	3.66	37.8
04/20/2014 2:07:00 AM	4.19	38.1
04/20/2014 2:08:00 AM	4.12	37.7
04/20/2014 2:10:00 AM	4.24	39.4
04/20/2014 2:11:00 AM	4.24	37.6
04/20/2014 2:12:00 AM	3.88	38.1
04/20/2014 2:13:00 AM	3.59	38.2
04/20/2014 2:14:00 AM	3.95	38.4
04/20/2014 2:15:00 AM	4.14	38.0
04/20/2014 2:17:00 AM	4.20	38.4
04/20/2014 2:18:00 AM	3.85	37.9
04/20/2014 2:19:00 AM	3.71	37.8
04/20/2014 2:20:00 AM	3.90	37.9
04/20/2014 2:21:00 AM	3.96	38.2
04/20/2014 2:22:00 AM	3.96	38.7
04/20/2014 2:23:00 AM	4.09	39.4
04/20/2014 2:24:00 AM	5.17	39.5
04/20/2014 2:25:00 AM	5.39	38.7
04/20/2014 2:26:00 AM	4.02	39.8
04/20/2014 2:27:00 AM	5.14	39.1
04/20/2014 2:28:00 AM	5.52	39.2
04/20/2014 2:32:00 AM	4.55	39.5
04/20/2014 2:34:00 AM	5.55	43.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/20/2014 2:35:00 AM	6.27	42.0
04/20/2014 2:38:00 AM	5.43	42.5
04/20/2014 2:39:00 AM	6.66	41.4
04/20/2014 2:40:00 AM	5.83	39.6
04/20/2014 2:42:00 AM	4.89	39.8
04/20/2014 2:45:00 AM	4.23	39.9
04/20/2014 2:46:00 AM	5.00	39.7
04/20/2014 2:47:00 AM	3.83	39.7
04/20/2014 2:48:00 AM	4.26	40.6
04/20/2014 2:50:00 AM	5.72	39.7
04/20/2014 2:51:00 AM	4.67	39.8
04/20/2014 2:52:00 AM	4.21	39.8
04/20/2014 2:53:00 AM	3.95	39.7
04/20/2014 2:55:00 AM	4.93	39.2
04/20/2014 2:56:00 AM	3.57	39.0
04/20/2014 2:58:00 AM	3.66	49.1
04/20/2014 2:59:00 AM	4.77	39.6
04/20/2014 3:00:00 AM	4.61	39.0
04/20/2014 3:01:00 AM	4.21	39.6
04/20/2014 3:03:00 AM	4.74	39.3
04/20/2014 3:05:00 AM	4.13	38.9
04/20/2014 3:06:00 AM	4.45	38.9
04/20/2014 3:07:00 AM	4.72	38.2
04/20/2014 3:08:00 AM	4.38	38.8
04/20/2014 3:09:00 AM	3.96	38.1
04/20/2014 3:11:00 AM	3.70	37.9
04/20/2014 3:13:00 AM	3.50	37.6
04/20/2014 3:14:00 AM	3.74	38.2
04/20/2014 3:15:00 AM	3.83	39.2
04/20/2014 3:17:00 AM	4.79	37.7
04/20/2014 3:19:00 AM	4.91	38.1
04/20/2014 3:20:00 AM	4.50	38.8
04/20/2014 3:23:00 AM	4.26	37.5
04/20/2014 3:25:00 AM	4.12	37.0
04/20/2014 3:26:00 AM	4.06	36.5
04/20/2014 3:30:00 AM	3.72	35.8
04/20/2014 3:33:00 AM	3.75	35.4
04/20/2014 3:36:00 AM	4.09	36.2
04/20/2014 3:37:00 AM	3.54	36.0
04/20/2014 3:39:00 AM	3.86	37.0
04/20/2014 3:41:00 AM	3.67	35.4
04/20/2014 3:55:00 AM	3.61	35.7
04/20/2014 3:57:00 AM	3.73	36.0
04/20/2014 3:58:00 AM	4.15	36.1
04/20/2014 3:59:00 AM	3.73	36.0
04/20/2014 4:06:00 AM	3.76	35.2
04/20/2014 4:18:00 AM	3.54	35.5
04/20/2014 4:25:00 AM	3.72	35.0
04/20/2014 4:28:00 AM	4.02	34.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/20/2014 4:31:00 AM	3.97	36.7
04/20/2014 4:32:00 AM	3.71	36.7
04/20/2014 4:33:00 AM	3.59	37.1
04/20/2014 4:36:00 AM	3.62	36.9
04/20/2014 4:37:00 AM	4.10	37.1
04/20/2014 4:38:00 AM	3.54	37.9
04/20/2014 4:39:00 AM	4.18	36.8
04/20/2014 4:40:00 AM	4.01	36.4
04/20/2014 4:43:00 AM	3.71	36.3
04/20/2014 4:44:00 AM	3.65	36.3
04/20/2014 4:45:00 AM	3.72	35.8
04/20/2014 4:47:00 AM	3.63	35.3
04/20/2014 4:49:00 AM	3.81	36.0
04/21/2014 10:07:00 PM	3.63	37.5
04/21/2014 10:08:00 PM	4.35	37.6
04/21/2014 10:09:00 PM	4.04	37.4
04/21/2014 10:10:00 PM	4.03	36.2
04/21/2014 10:11:00 PM	3.73	35.5
04/21/2014 10:12:00 PM	4.14	37.2
04/21/2014 10:13:00 PM	4.39	39.2
04/21/2014 10:14:00 PM	4.67	42.9
04/21/2014 10:15:00 PM	4.50	36.8
04/21/2014 10:16:00 PM	4.44	37.7
04/21/2014 10:18:00 PM	4.44	38.1
04/21/2014 10:19:00 PM	4.79	35.8
04/21/2014 10:20:00 PM	4.02	38.5
04/21/2014 10:21:00 PM	3.67	39.3
04/21/2014 10:22:00 PM	3.73	37.1
04/21/2014 10:24:00 PM	3.63	37.8
04/21/2014 10:25:00 PM	4.01	36.1
04/21/2014 10:26:00 PM	4.16	36.4
04/21/2014 10:27:00 PM	4.06	38.3
04/21/2014 10:28:00 PM	4.38	37.6
04/21/2014 10:29:00 PM	4.14	36.9
04/21/2014 10:30:00 PM	4.15	36.4
04/21/2014 10:31:00 PM	3.87	41.8
04/21/2014 10:32:00 PM	4.01	38.7
04/21/2014 10:33:00 PM	3.74	36.6
04/21/2014 10:34:00 PM	3.85	42.7
04/21/2014 10:35:00 PM	3.91	44.8
04/21/2014 10:36:00 PM	3.64	37.0
04/21/2014 10:37:00 PM	4.22	36.8
04/21/2014 10:38:00 PM	4.38	37.4
04/21/2014 10:39:00 PM	4.35	36.4
04/21/2014 10:40:00 PM	3.97	37.5
04/21/2014 10:41:00 PM	3.67	36.0
04/21/2014 10:42:00 PM	3.79	36.0
04/21/2014 10:43:00 PM	3.75	39.6
04/21/2014 10:44:00 PM	3.87	49.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/21/2014 10:45:00 PM	3.76	44.3
04/21/2014 10:46:00 PM	3.92	38.4
04/21/2014 10:47:00 PM	4.22	44.5
04/21/2014 10:48:00 PM	4.10	41.4
04/21/2014 10:49:00 PM	4.20	38.6
04/21/2014 10:50:00 PM	4.11	38.1
04/21/2014 10:51:00 PM	4.37	40.8
04/21/2014 10:52:00 PM	4.09	37.7
04/21/2014 10:53:00 PM	3.57	36.8
04/21/2014 11:06:00 PM	3.63	45.5
04/21/2014 11:07:00 PM	3.50	46.1
04/21/2014 11:23:00 PM	3.95	40.6
04/21/2014 11:24:00 PM	3.96	38.6
04/21/2014 11:25:00 PM	4.07	38.2
04/21/2014 11:26:00 PM	4.00	37.5
04/21/2014 11:27:00 PM	3.92	37.9
04/21/2014 11:28:00 PM	4.03	38.8
04/21/2014 11:29:00 PM	4.22	40.4
04/21/2014 11:30:00 PM	4.07	38.1
04/21/2014 11:31:00 PM	4.16	37.1
04/21/2014 11:32:00 PM	3.88	39.6
04/21/2014 11:33:00 PM	3.69	44.0
04/21/2014 11:34:00 PM	3.80	37.9
04/21/2014 11:35:00 PM	3.89	37.2
04/21/2014 11:36:00 PM	3.94	37.2
04/21/2014 11:37:00 PM	3.90	38.4
04/21/2014 11:38:00 PM	3.65	40.0
04/21/2014 11:39:00 PM	3.56	37.0
04/21/2014 11:41:00 PM	3.50	39.0
04/21/2014 11:42:00 PM	3.70	39.5
04/21/2014 11:43:00 PM	3.73	46.3
04/21/2014 11:44:00 PM	3.68	42.1
04/21/2014 11:45:00 PM	3.79	37.5
04/21/2014 11:46:00 PM	3.58	36.7
04/21/2014 11:47:00 PM	3.61	36.4
04/21/2014 11:48:00 PM	3.69	35.7
04/21/2014 11:52:00 PM	3.85	48.5
04/21/2014 11:53:00 PM	3.71	43.8
04/21/2014 11:54:00 PM	3.66	37.3
04/21/2014 11:55:00 PM	3.93	37.4
04/21/2014 11:56:00 PM	3.76	38.0
04/21/2014 11:57:00 PM	4.19	48.4
04/21/2014 11:58:00 PM	4.58	40.7
04/21/2014 11:59:00 PM	4.37	38.4
04/22/2014 12:00:00 AM	3.97	38.3
04/22/2014 12:01:00 AM	4.34	37.7
04/22/2014 12:02:00 AM	4.08	39.3
04/22/2014 12:03:00 AM	4.50	38.1
04/22/2014 12:04:00 AM	4.31	38.1

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/22/2014 12:05:00 AM	4.29	38.4
04/22/2014 12:06:00 AM	4.62	39.1
04/22/2014 12:07:00 AM	4.53	38.4
04/22/2014 12:08:00 AM	4.60	38.5
04/22/2014 12:09:00 AM	4.48	39.0
04/22/2014 12:10:00 AM	4.05	42.4
04/22/2014 12:11:00 AM	3.94	39.0
04/22/2014 12:12:00 AM	4.05	38.6
04/22/2014 12:13:00 AM	3.69	38.3
04/22/2014 12:14:00 AM	3.73	38.7
04/22/2014 12:15:00 AM	3.81	38.6
04/22/2014 12:16:00 AM	3.77	41.6
04/22/2014 12:17:00 AM	3.64	39.2
04/22/2014 12:18:00 AM	3.58	38.2
04/22/2014 12:19:00 AM	3.52	38.3
04/22/2014 12:20:00 AM	3.78	38.9
04/22/2014 12:21:00 AM	3.65	39.3
04/22/2014 12:22:00 AM	4.27	39.6
04/22/2014 12:23:00 AM	4.16	39.4
04/22/2014 12:24:00 AM	4.41	39.7
04/22/2014 12:25:00 AM	3.95	39.7
04/22/2014 12:26:00 AM	4.11	39.7
04/22/2014 12:27:00 AM	4.16	39.1
04/22/2014 12:28:00 AM	4.09	40.1
04/22/2014 12:29:00 AM	4.18	49.2
04/22/2014 12:30:00 AM	3.82	39.5
04/22/2014 12:31:00 AM	3.84	38.8
04/22/2014 12:32:00 AM	3.96	38.9
04/22/2014 12:33:00 AM	3.63	39.3
04/22/2014 12:34:00 AM	3.82	38.6
04/22/2014 12:35:00 AM	3.79	38.1
04/22/2014 12:37:00 AM	3.58	38.5
04/22/2014 12:38:00 AM	3.60	39.8
04/22/2014 12:40:00 AM	3.68	39.6
04/22/2014 12:41:00 AM	3.59	38.4
04/22/2014 12:51:00 AM	3.60	36.4
04/22/2014 12:52:00 AM	3.71	37.2
04/22/2014 12:53:00 AM	4.13	37.7
04/22/2014 12:54:00 AM	4.46	36.8
04/22/2014 12:55:00 AM	4.42	40.9
04/22/2014 12:56:00 AM	4.40	37.6
04/22/2014 12:57:00 AM	4.45	37.0
04/22/2014 12:58:00 AM	4.22	36.5
04/22/2014 12:59:00 AM	3.84	36.8
04/22/2014 1:00:00 AM	3.98	36.5
04/22/2014 1:01:00 AM	3.94	36.7
04/22/2014 1:02:00 AM	4.20	36.6
04/22/2014 1:03:00 AM	4.13	38.3
04/22/2014 1:04:00 AM	4.58	38.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/22/2014 1:05:00 AM	4.81	39.3
04/22/2014 1:06:00 AM	4.98	37.4
04/22/2014 1:07:00 AM	4.43	38.0
04/22/2014 1:08:00 AM	4.47	36.8
04/22/2014 1:09:00 AM	4.43	38.0
04/22/2014 1:10:00 AM	4.37	38.4
04/22/2014 1:11:00 AM	4.49	37.7
04/22/2014 1:12:00 AM	4.58	37.9
04/22/2014 1:13:00 AM	4.48	38.1
04/22/2014 1:14:00 AM	4.58	44.0
04/22/2014 1:15:00 AM	4.29	46.3
04/22/2014 1:16:00 AM	4.55	38.9
04/22/2014 1:17:00 AM	4.52	39.2
04/22/2014 1:18:00 AM	4.71	39.1
04/22/2014 1:19:00 AM	4.51	39.5
04/22/2014 1:20:00 AM	4.56	39.2
04/22/2014 1:21:00 AM	4.65	41.6
04/22/2014 1:22:00 AM	5.27	40.0
04/22/2014 1:23:00 AM	4.76	41.8
04/22/2014 1:24:00 AM	5.26	40.8
04/22/2014 1:25:00 AM	5.17	41.8
04/22/2014 1:26:00 AM	5.37	41.2
04/22/2014 1:27:00 AM	4.85	41.1
04/22/2014 1:28:00 AM	4.75	41.4
04/22/2014 1:29:00 AM	5.09	41.6
04/22/2014 1:30:00 AM	5.13	40.4
04/22/2014 1:31:00 AM	5.02	43.6
04/22/2014 1:32:00 AM	5.60	43.5
04/22/2014 1:33:00 AM	6.26	42.2
04/22/2014 1:34:00 AM	5.37	43.1
04/22/2014 1:35:00 AM	5.64	41.7
04/22/2014 1:36:00 AM	4.90	46.0
04/22/2014 1:37:00 AM	6.15	44.1
04/22/2014 1:39:00 AM	6.12	43.0
04/22/2014 1:40:00 AM	5.80	41.1
04/22/2014 1:41:00 AM	5.35	43.4
04/22/2014 1:42:00 AM	5.93	44.5
04/22/2014 1:43:00 AM	6.12	44.3
04/22/2014 1:44:00 AM	6.24	45.5
04/22/2014 1:45:00 AM	6.11	44.4
04/22/2014 1:46:00 AM	6.10	46.2
04/22/2014 1:47:00 AM	6.30	44.2
04/22/2014 1:48:00 AM	5.76	50.1
04/22/2014 1:49:00 AM	7.28	47.0
04/22/2014 1:50:00 AM	6.75	48.0
04/22/2014 1:51:00 AM	7.26	45.6
04/22/2014 1:52:00 AM	6.76	46.2
04/22/2014 1:53:00 AM	6.58	46.1
04/22/2014 1:54:00 AM	6.85	47.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/22/2014 1:55:00 AM	6.79	48.1
04/22/2014 1:56:00 AM	7.20	45.9
04/22/2014 1:57:00 AM	6.72	46.6
04/22/2014 1:58:00 AM	6.64	45.2
04/22/2014 1:59:00 AM	6.56	46.6
04/22/2014 2:00:00 AM	6.21	49.4
04/22/2014 2:01:00 AM	7.11	49.1
04/22/2014 2:02:00 AM	7.30	48.3
04/22/2014 2:03:00 AM	7.18	48.9
04/22/2014 2:06:00 AM	7.04	47.1
04/22/2014 2:07:00 AM	7.43	47.2
04/22/2014 2:08:00 AM	6.77	48.9
04/22/2014 2:09:00 AM	7.27	45.4
04/22/2014 2:10:00 AM	6.76	45.4
04/22/2014 2:11:00 AM	6.15	45.1
04/22/2014 2:12:00 AM	6.35	43.4
04/22/2014 2:13:00 AM	6.00	42.0
04/22/2014 2:14:00 AM	5.33	42.2
04/22/2014 2:15:00 AM	5.71	41.1
04/22/2014 2:16:00 AM	5.09	40.3
04/22/2014 2:17:00 AM	4.78	40.4
04/22/2014 2:18:00 AM	4.75	41.8
04/22/2014 2:19:00 AM	5.16	41.4
04/22/2014 2:20:00 AM	5.01	42.1
04/22/2014 2:21:00 AM	5.23	41.9
04/22/2014 2:22:00 AM	5.66	41.5
04/22/2014 2:23:00 AM	5.51	41.2
04/22/2014 2:24:00 AM	5.02	41.2
04/22/2014 2:25:00 AM	5.33	42.2
04/22/2014 2:26:00 AM	5.61	40.9
04/22/2014 2:27:00 AM	5.64	42.1
04/22/2014 2:28:00 AM	5.54	40.6
04/22/2014 2:29:00 AM	5.10	41.0
04/22/2014 2:30:00 AM	5.16	41.2
04/22/2014 2:31:00 AM	5.39	40.2
04/22/2014 2:32:00 AM	4.99	40.8
04/22/2014 2:33:00 AM	5.07	40.9
04/22/2014 2:34:00 AM	4.66	40.4
04/22/2014 2:35:00 AM	4.73	41.2
04/22/2014 2:36:00 AM	4.75	40.2
04/22/2014 2:37:00 AM	4.93	40.5
04/22/2014 2:38:00 AM	4.97	40.4
04/22/2014 2:39:00 AM	5.15	40.1
04/22/2014 2:40:00 AM	4.64	40.5
04/22/2014 2:41:00 AM	5.09	40.0
04/22/2014 2:42:00 AM	4.70	40.0
04/22/2014 2:43:00 AM	4.85	41.3
04/22/2014 2:44:00 AM	5.27	43.7
04/22/2014 2:45:00 AM	5.54	42.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/22/2014 2:46:00 AM	6.03	41.1
04/22/2014 2:47:00 AM	5.35	40.6
04/22/2014 2:48:00 AM	5.06	39.7
04/22/2014 2:49:00 AM	4.86	41.3
04/22/2014 2:50:00 AM	4.29	40.7
04/22/2014 2:51:00 AM	4.87	42.3
04/22/2014 2:52:00 AM	5.14	42.2
04/22/2014 2:53:00 AM	5.43	43.4
04/22/2014 2:54:00 AM	5.81	43.6
04/22/2014 2:55:00 AM	5.55	43.0
04/22/2014 2:56:00 AM	5.54	43.3
04/22/2014 2:57:00 AM	5.62	43.9
04/22/2014 2:58:00 AM	6.35	48.1
04/22/2014 2:59:00 AM	6.70	50.1
04/22/2014 3:02:00 AM	7.27	49.9
04/22/2014 3:07:00 AM	7.00	50.2
04/22/2014 3:10:00 AM	6.97	51.6
04/22/2014 4:00:00 AM	6.26	43.2
04/22/2014 4:01:00 AM	6.88	43.2
04/22/2014 4:02:00 AM	6.90	41.6
04/22/2014 4:03:00 AM	6.46	41.6
04/22/2014 4:04:00 AM	6.30	42.1
04/22/2014 4:05:00 AM	6.20	41.7
04/22/2014 4:06:00 AM	6.32	40.6
04/22/2014 4:07:00 AM	5.72	41.0
04/22/2014 4:08:00 AM	5.82	41.0
04/22/2014 4:09:00 AM	6.00	43.8
04/22/2014 4:10:00 AM	6.05	44.1
04/22/2014 4:11:00 AM	5.62	41.1
04/22/2014 4:12:00 AM	5.68	44.2
04/22/2014 4:13:00 AM	5.77	43.5
04/22/2014 4:14:00 AM	5.84	45.2
04/22/2014 4:15:00 AM	6.77	46.3
04/22/2014 4:16:00 AM	7.44	46.7
04/22/2014 4:17:00 AM	6.64	45.3
04/22/2014 4:18:00 AM	6.78	44.3
04/22/2014 4:19:00 AM	6.73	45.1
04/22/2014 4:20:00 AM	6.60	43.8
04/22/2014 4:21:00 AM	6.38	43.1
04/22/2014 4:22:00 AM	6.34	42.9
04/22/2014 4:23:00 AM	6.93	43.5
04/22/2014 4:24:00 AM	6.31	40.8
04/22/2014 4:25:00 AM	6.46	41.0
04/22/2014 4:26:00 AM	5.73	39.8
04/22/2014 4:27:00 AM	5.69	39.2
04/22/2014 4:28:00 AM	5.58	39.7
04/22/2014 4:29:00 AM	5.47	38.6
04/22/2014 4:30:00 AM	4.91	38.8
04/22/2014 4:31:00 AM	4.57	43.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/22/2014 4:32:00 AM	5.20	40.2
04/22/2014 4:33:00 AM	5.27	37.4
04/22/2014 4:34:00 AM	4.73	36.8
04/22/2014 4:35:00 AM	4.82	36.1
04/22/2014 4:36:00 AM	4.55	35.6
04/22/2014 4:37:00 AM	3.77	36.0
04/22/2014 4:38:00 AM	3.84	38.2
04/22/2014 4:39:00 AM	3.74	38.7
04/22/2014 4:40:00 AM	3.80	34.0
04/22/2014 4:41:00 AM	3.61	35.0
04/22/2014 4:42:00 AM	3.59	43.4
04/22/2014 4:43:00 AM	3.59	41.4
04/22/2014 4:44:00 AM	3.76	34.3
04/22/2014 4:45:00 AM	3.79	44.0
04/22/2014 4:46:00 AM	3.82	37.5
04/22/2014 4:47:00 AM	3.63	34.2
04/22/2014 4:48:00 AM	3.51	33.8
04/22/2014 4:53:00 AM	3.60	33.3
04/22/2014 4:56:00 AM	3.55	36.8
04/22/2014 4:58:00 AM	3.56	37.3
04/24/2014 11:37:00 PM	3.57	39.0
04/24/2014 11:39:00 PM	3.57	43.5
04/24/2014 11:43:00 PM	3.53	35.0
04/24/2014 11:45:00 PM	3.63	41.3
04/24/2014 11:46:00 PM	3.68	37.7
04/24/2014 11:47:00 PM	3.64	35.0
04/24/2014 11:48:00 PM	3.84	41.4
04/24/2014 11:49:00 PM	3.59	43.9
04/24/2014 11:52:00 PM	3.91	36.3
04/24/2014 11:54:00 PM	4.26	36.0
04/24/2014 11:55:00 PM	4.12	35.0
04/24/2014 11:57:00 PM	3.53	35.1
04/24/2014 11:59:00 PM	3.59	35.6
04/25/2014 12:00:00 AM	3.51	36.2
04/25/2014 12:02:00 AM	4.09	44.9
04/25/2014 12:05:00 AM	3.88	35.3
04/25/2014 12:09:00 AM	4.35	43.4
04/25/2014 12:10:00 AM	4.05	45.2
04/25/2014 12:11:00 AM	3.73	44.5
04/25/2014 12:12:00 AM	3.88	41.7
04/25/2014 12:13:00 AM	4.33	42.2
04/25/2014 12:14:00 AM	3.88	45.5
04/25/2014 12:15:00 AM	3.88	46.5
04/25/2014 12:16:00 AM	4.23	39.7
04/25/2014 12:17:00 AM	4.21	41.8
04/25/2014 12:18:00 AM	4.62	47.0
04/25/2014 12:19:00 AM	4.46	43.3
04/25/2014 12:20:00 AM	3.55	41.5
04/25/2014 12:21:00 AM	3.97	39.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/25/2014 12:22:00 AM	3.65	37.8
04/25/2014 12:23:00 AM	4.21	37.5
04/25/2014 12:24:00 AM	3.81	43.9
04/25/2014 12:26:00 AM	5.07	38.9
04/25/2014 12:27:00 AM	5.02	38.0
04/25/2014 12:29:00 AM	5.49	37.9
04/25/2014 12:30:00 AM	5.05	38.0
04/25/2014 12:31:00 AM	4.72	38.4
04/25/2014 12:33:00 AM	4.54	38.9
04/25/2014 12:34:00 AM	3.96	42.2
04/25/2014 12:35:00 AM	4.49	45.4
04/25/2014 12:36:00 AM	4.36	46.5
04/25/2014 12:37:00 AM	4.62	45.2
04/25/2014 12:38:00 AM	4.88	45.4
04/25/2014 12:39:00 AM	5.32	41.7
04/25/2014 12:40:00 AM	5.00	40.4
04/25/2014 12:41:00 AM	5.26	39.6
04/25/2014 12:42:00 AM	4.58	40.2
04/25/2014 12:43:00 AM	4.52	39.3
04/25/2014 12:44:00 AM	4.32	46.6
04/25/2014 12:45:00 AM	4.21	40.1
04/25/2014 12:46:00 AM	3.66	38.8
04/25/2014 12:48:00 AM	3.61	40.7
04/25/2014 12:50:00 AM	3.76	37.3
04/25/2014 12:51:00 AM	3.53	42.6
04/25/2014 12:55:00 AM	4.23	36.7
04/25/2014 12:56:00 AM	4.05	36.8
04/25/2014 12:57:00 AM	3.67	37.4
04/25/2014 12:58:00 AM	3.97	38.0
04/25/2014 12:59:00 AM	4.40	37.3
04/25/2014 1:00:00 AM	3.75	37.7
04/25/2014 1:02:00 AM	3.60	42.8
04/25/2014 1:03:00 AM	4.36	42.4
04/25/2014 1:04:00 AM	4.56	41.4
04/25/2014 1:05:00 AM	3.70	41.1
04/25/2014 1:07:00 AM	4.05	37.0
04/25/2014 1:08:00 AM	3.62	37.2
04/25/2014 1:09:00 AM	3.78	36.9
04/25/2014 1:16:00 AM	3.59	36.7
04/25/2014 1:28:00 AM	3.67	35.7
04/25/2014 1:31:00 AM	3.55	36.6
04/25/2014 1:35:00 AM	4.14	37.0
04/25/2014 1:38:00 AM	3.57	35.9
04/25/2014 2:06:00 AM	3.75	35.3
04/25/2014 2:12:00 AM	3.54	41.7
04/25/2014 2:21:00 AM	3.89	35.7
04/25/2014 2:32:00 AM	3.53	42.5
04/25/2014 2:33:00 AM	3.81	38.5
04/25/2014 2:35:00 AM	4.72	37.1

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/25/2014 2:36:00 AM	4.48	36.8
04/25/2014 2:37:00 AM	3.78	36.8
04/25/2014 2:38:00 AM	3.78	38.6
04/25/2014 2:40:00 AM	4.28	40.1
04/25/2014 2:41:00 AM	4.72	37.9
04/25/2014 2:42:00 AM	4.46	37.4
04/25/2014 2:43:00 AM	3.84	37.9
04/25/2014 2:44:00 AM	4.16	37.2
04/25/2014 2:45:00 AM	3.74	37.6
04/25/2014 2:46:00 AM	3.87	38.2
04/25/2014 2:47:00 AM	4.32	38.2
04/25/2014 2:48:00 AM	3.66	40.2
04/25/2014 2:49:00 AM	4.54	38.2
04/25/2014 2:50:00 AM	3.77	42.9
04/25/2014 2:52:00 AM	4.55	39.4
04/25/2014 2:53:00 AM	4.48	39.9
04/25/2014 2:55:00 AM	4.93	38.8
04/25/2014 2:56:00 AM	4.48	39.2
04/25/2014 3:00:00 AM	4.64	39.4
04/25/2014 3:01:00 AM	5.00	38.6
04/25/2014 3:02:00 AM	4.97	38.5
04/25/2014 3:03:00 AM	4.76	38.4
04/25/2014 3:04:00 AM	4.39	39.3
04/25/2014 3:06:00 AM	3.77	45.4
04/25/2014 3:07:00 AM	3.71	38.9
04/25/2014 3:08:00 AM	4.74	38.6
04/25/2014 3:09:00 AM	4.45	37.9
04/25/2014 3:10:00 AM	4.65	38.4
04/25/2014 3:11:00 AM	4.26	37.9
04/25/2014 3:13:00 AM	4.04	38.5
04/25/2014 3:14:00 AM	4.06	38.3
04/25/2014 3:16:00 AM	3.60	37.8
04/25/2014 3:18:00 AM	4.17	41.4
04/25/2014 3:19:00 AM	4.37	39.6
04/25/2014 3:20:00 AM	5.13	38.9
04/25/2014 3:21:00 AM	4.92	41.7
04/25/2014 3:22:00 AM	3.98	40.6
04/25/2014 3:24:00 AM	4.31	39.3
04/25/2014 3:25:00 AM	4.75	38.7
04/25/2014 3:26:00 AM	3.66	38.5
04/25/2014 3:28:00 AM	4.57	38.5
04/25/2014 3:29:00 AM	4.45	39.2
04/25/2014 3:31:00 AM	4.48	43.2
04/25/2014 3:32:00 AM	4.32	39.0
04/25/2014 3:33:00 AM	4.73	38.1
04/25/2014 3:34:00 AM	3.87	38.2
04/25/2014 3:35:00 AM	3.79	38.7
04/25/2014 3:36:00 AM	4.53	38.7
04/25/2014 3:37:00 AM	4.62	44.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/25/2014 3:40:00 AM	4.83	38.1
04/25/2014 3:43:00 AM	4.02	37.8
04/25/2014 3:44:00 AM	4.17	37.1
04/25/2014 3:45:00 AM	4.00	40.5
04/25/2014 3:46:00 AM	4.14	45.9
04/25/2014 3:48:00 AM	3.90	38.6
04/25/2014 3:49:00 AM	5.00	38.3
04/25/2014 3:50:00 AM	4.24	37.7
04/25/2014 3:51:00 AM	4.58	44.4
04/25/2014 3:52:00 AM	3.68	38.2
04/25/2014 3:54:00 AM	3.89	37.8
04/25/2014 3:55:00 AM	4.70	37.8
04/25/2014 3:56:00 AM	4.25	37.7
04/25/2014 3:57:00 AM	4.37	37.3
04/25/2014 3:58:00 AM	3.76	38.3
04/25/2014 3:59:00 AM	4.80	38.2
04/25/2014 4:03:00 AM	4.64	37.5
04/25/2014 4:04:00 AM	4.27	37.7
04/25/2014 4:05:00 AM	4.00	37.7
04/25/2014 4:06:00 AM	3.58	39.0
04/25/2014 4:07:00 AM	4.47	46.4
04/25/2014 4:08:00 AM	4.64	40.6
04/25/2014 4:09:00 AM	4.14	38.6
04/25/2014 4:10:00 AM	4.53	38.1
04/25/2014 4:11:00 AM	3.85	39.5
04/25/2014 4:12:00 AM	5.19	40.9
04/25/2014 4:14:00 AM	4.20	41.8
04/25/2014 4:15:00 AM	3.65	38.1
04/25/2014 4:16:00 AM	4.02	37.8
04/25/2014 4:17:00 AM	4.66	38.9
04/25/2014 4:18:00 AM	5.15	42.3
04/25/2014 4:19:00 AM	4.51	39.8
04/25/2014 4:21:00 AM	5.09	37.8
04/25/2014 4:22:00 AM	4.65	38.1
04/25/2014 4:23:00 AM	5.00	38.0
04/25/2014 4:24:00 AM	5.12	38.5
04/25/2014 4:25:00 AM	4.98	44.5
04/25/2014 4:26:00 AM	4.99	38.4
04/25/2014 4:27:00 AM	4.59	38.0
04/25/2014 4:28:00 AM	5.34	37.7
04/25/2014 4:29:00 AM	4.25	38.0
04/25/2014 4:30:00 AM	4.64	38.4
04/25/2014 4:33:00 AM	4.54	38.7
04/25/2014 4:35:00 AM	4.70	46.8
04/25/2014 4:36:00 AM	4.07	39.6
04/25/2014 4:37:00 AM	3.57	47.2
04/25/2014 4:39:00 AM	4.75	37.5
04/25/2014 4:40:00 AM	4.66	43.3
04/25/2014 4:41:00 AM	4.26	48.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/25/2014 4:43:00 AM	5.24	38.7
04/25/2014 4:44:00 AM	4.26	38.4
04/25/2014 4:45:00 AM	4.59	38.8
04/25/2014 4:46:00 AM	5.18	45.3
04/25/2014 4:47:00 AM	4.49	39.2
04/25/2014 4:49:00 AM	4.19	46.3
04/25/2014 4:50:00 AM	4.37	39.4
04/25/2014 4:51:00 AM	5.34	38.8
04/25/2014 4:52:00 AM	4.85	38.6
04/25/2014 4:53:00 AM	4.48	43.3
04/25/2014 4:57:00 AM	5.36	48.0
04/25/2014 4:58:00 AM	5.34	41.6
04/27/2014 11:29:00 PM	3.69	33.8
04/27/2014 11:30:00 PM	3.88	34.8
04/27/2014 11:31:00 PM	4.03	36.8
04/27/2014 11:32:00 PM	4.21	37.7
04/27/2014 11:33:00 PM	4.20	36.3
04/27/2014 11:34:00 PM	4.35	37.7
04/27/2014 11:35:00 PM	4.22	45.5
04/27/2014 11:36:00 PM	4.17	45.1
04/27/2014 11:37:00 PM	4.08	45.5
04/27/2014 11:38:00 PM	4.03	36.4
04/27/2014 11:39:00 PM	3.93	40.1
04/27/2014 11:40:00 PM	3.94	41.3
04/27/2014 11:41:00 PM	3.75	36.2
04/28/2014 12:03:00 AM	3.59	36.3
04/28/2014 12:04:00 AM	3.81	37.0
04/28/2014 12:05:00 AM	3.72	36.6
04/28/2014 12:06:00 AM	3.65	37.2
04/28/2014 12:07:00 AM	3.61	37.2
04/28/2014 12:08:00 AM	3.66	47.7
04/28/2014 12:09:00 AM	3.66	37.2
04/28/2014 12:10:00 AM	3.59	36.8
04/28/2014 12:11:00 AM	3.91	36.6
04/28/2014 12:12:00 AM	3.94	36.7
04/28/2014 12:13:00 AM	3.73	36.6
04/28/2014 12:14:00 AM	3.87	37.0
04/28/2014 12:15:00 AM	3.59	35.9
04/28/2014 12:16:00 AM	3.54	36.8
04/28/2014 12:17:00 AM	3.67	36.4
04/28/2014 12:18:00 AM	3.78	48.0
04/28/2014 12:19:00 AM	4.07	44.4
04/28/2014 12:20:00 AM	4.10	36.7
04/28/2014 12:21:00 AM	4.02	37.3
04/28/2014 12:22:00 AM	4.28	37.2
04/28/2014 12:23:00 AM	4.16	36.2
04/28/2014 12:24:00 AM	3.87	37.2
04/28/2014 12:25:00 AM	3.99	36.9
04/28/2014 12:26:00 AM	3.71	37.3

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/28/2014 12:27:00 AM	3.81	36.7
04/28/2014 12:28:00 AM	3.64	37.5
04/28/2014 12:29:00 AM	3.82	41.0
04/28/2014 12:30:00 AM	3.54	43.1
04/28/2014 12:31:00 AM	3.69	37.9
04/28/2014 12:32:00 AM	3.99	37.5
04/28/2014 12:33:00 AM	4.60	37.1
04/28/2014 12:34:00 AM	4.03	37.5
04/28/2014 12:35:00 AM	4.30	37.2
04/28/2014 12:36:00 AM	3.93	37.9
04/28/2014 12:37:00 AM	3.56	38.1
04/28/2014 12:38:00 AM	3.79	38.5
04/28/2014 12:39:00 AM	3.86	37.9
04/28/2014 12:40:00 AM	3.53	38.5
04/28/2014 12:41:00 AM	3.89	38.4
04/28/2014 12:42:00 AM	3.98	38.4
04/28/2014 12:43:00 AM	3.88	38.7
04/28/2014 12:44:00 AM	4.17	39.0
04/28/2014 12:45:00 AM	4.42	38.8
04/28/2014 12:46:00 AM	4.53	38.6
04/28/2014 12:47:00 AM	4.35	38.5
04/28/2014 12:48:00 AM	4.51	38.7
04/28/2014 12:49:00 AM	4.33	37.8
04/28/2014 12:50:00 AM	4.25	38.3
04/28/2014 12:51:00 AM	4.33	38.3
04/28/2014 12:52:00 AM	4.84	38.4
04/28/2014 12:53:00 AM	4.98	37.4
04/28/2014 12:54:00 AM	4.19	37.6
04/28/2014 12:55:00 AM	3.54	37.7
04/28/2014 1:04:00 AM	4.27	37.6
04/28/2014 1:05:00 AM	4.37	36.8
04/28/2014 1:06:00 AM	4.25	36.5
04/28/2014 1:07:00 AM	3.98	36.1
04/28/2014 1:08:00 AM	3.88	36.6
04/28/2014 1:09:00 AM	3.93	36.4
04/28/2014 1:10:00 AM	4.00	36.1
04/28/2014 1:11:00 AM	3.66	36.2
04/28/2014 1:12:00 AM	3.58	35.8
04/28/2014 1:13:00 AM	3.55	35.5
04/28/2014 1:14:00 AM	3.63	36.3
04/28/2014 1:15:00 AM	3.71	36.9
04/28/2014 1:16:00 AM	3.89	38.6
04/28/2014 1:17:00 AM	4.18	54.5
04/28/2014 1:18:00 AM	4.28	44.6
04/28/2014 1:19:00 AM	4.35	41.6
04/28/2014 1:20:00 AM	4.56	38.4
04/28/2014 1:21:00 AM	4.56	38.3
04/28/2014 1:22:00 AM	4.83	38.6
04/28/2014 1:23:00 AM	4.77	38.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/28/2014 1:24:00 AM	4.80	38.7
04/28/2014 1:25:00 AM	4.68	39.1
04/28/2014 1:26:00 AM	4.90	39.1
04/28/2014 1:27:00 AM	4.87	39.3
04/28/2014 1:28:00 AM	5.15	39.3
04/28/2014 1:29:00 AM	5.08	39.2
04/28/2014 1:30:00 AM	5.11	39.0
04/28/2014 1:31:00 AM	4.79	39.2
04/28/2014 1:32:00 AM	5.11	39.2
04/28/2014 1:33:00 AM	5.00	38.9
04/28/2014 1:34:00 AM	5.20	38.7
04/28/2014 1:35:00 AM	5.15	39.9
04/28/2014 1:36:00 AM	5.17	41.8
04/28/2014 1:37:00 AM	6.07	40.4
04/28/2014 1:38:00 AM	5.51	40.2
04/28/2014 1:39:00 AM	5.61	40.2
04/28/2014 1:40:00 AM	5.65	40.2
04/28/2014 1:41:00 AM	5.47	40.8
04/28/2014 1:42:00 AM	5.59	41.6
04/28/2014 1:43:00 AM	5.17	53.2
04/28/2014 1:44:00 AM	5.52	43.4
04/28/2014 1:45:00 AM	5.46	41.3
04/28/2014 1:46:00 AM	5.73	43.3
04/28/2014 1:47:00 AM	6.23	42.0
04/28/2014 1:48:00 AM	6.07	43.4
04/28/2014 1:49:00 AM	6.00	44.5
04/28/2014 1:50:00 AM	5.12	43.0
04/28/2014 1:51:00 AM	5.43	40.8
04/28/2014 1:52:00 AM	4.67	41.8
04/28/2014 1:53:00 AM	5.48	41.0
04/28/2014 1:54:00 AM	4.76	41.5
04/28/2014 1:55:00 AM	5.40	42.0
04/28/2014 1:56:00 AM	6.01	41.2
04/28/2014 1:57:00 AM	5.47	41.1
04/28/2014 1:58:00 AM	5.55	42.2
04/28/2014 1:59:00 AM	5.74	41.1
04/28/2014 2:00:00 AM	5.66	40.3
04/28/2014 2:01:00 AM	5.22	41.9
04/28/2014 2:02:00 AM	5.96	41.6
04/28/2014 2:03:00 AM	5.43	41.6
04/28/2014 2:04:00 AM	5.52	41.2
04/28/2014 2:05:00 AM	6.08	42.7
04/28/2014 2:06:00 AM	5.42	41.6
04/28/2014 2:07:00 AM	5.15	40.3
04/28/2014 2:08:00 AM	4.65	40.6
04/28/2014 2:09:00 AM	4.64	40.7
04/28/2014 2:10:00 AM	4.03	41.0
04/28/2014 2:11:00 AM	4.26	40.8
04/28/2014 2:12:00 AM	4.34	41.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/28/2014 2:13:00 AM	4.71	40.8
04/28/2014 2:14:00 AM	4.25	41.8
04/28/2014 2:15:00 AM	5.25	42.3
04/28/2014 2:16:00 AM	5.02	41.0
04/28/2014 2:17:00 AM	4.74	40.6
04/28/2014 2:18:00 AM	4.66	40.7
04/28/2014 2:19:00 AM	4.54	40.5
04/28/2014 2:20:00 AM	4.76	40.3
04/28/2014 2:21:00 AM	4.90	40.4
04/28/2014 2:22:00 AM	5.49	39.3
04/28/2014 2:23:00 AM	5.08	39.5
04/28/2014 2:24:00 AM	4.53	39.2
04/28/2014 2:25:00 AM	4.32	39.4
04/28/2014 2:26:00 AM	4.55	39.3
04/28/2014 2:27:00 AM	4.10	40.4
04/28/2014 2:28:00 AM	4.06	38.7
04/28/2014 2:29:00 AM	4.16	38.7
04/28/2014 2:30:00 AM	4.38	38.3
04/28/2014 2:31:00 AM	4.09	38.1
04/28/2014 2:32:00 AM	4.51	38.1
04/28/2014 2:33:00 AM	4.16	37.8
04/28/2014 2:34:00 AM	4.79	37.9
04/28/2014 2:35:00 AM	4.32	37.6
04/28/2014 2:36:00 AM	4.37	37.2
04/28/2014 2:37:00 AM	4.19	37.0
04/28/2014 2:38:00 AM	3.84	37.0
04/28/2014 2:39:00 AM	4.36	37.0
04/28/2014 2:40:00 AM	4.51	37.1
04/28/2014 2:41:00 AM	3.59	37.3
04/28/2014 2:42:00 AM	4.11	37.8
04/28/2014 2:43:00 AM	3.97	37.5
04/28/2014 2:44:00 AM	4.05	37.5
04/28/2014 2:45:00 AM	4.02	38.1
04/28/2014 2:46:00 AM	4.09	38.7
04/28/2014 2:47:00 AM	4.61	38.9
04/28/2014 2:48:00 AM	4.50	38.8
04/28/2014 2:49:00 AM	4.26	38.1
04/28/2014 2:50:00 AM	4.19	38.0
04/28/2014 2:51:00 AM	3.89	37.9
04/28/2014 2:52:00 AM	4.15	37.5
04/28/2014 2:53:00 AM	3.68	37.0
04/28/2014 2:55:00 AM	3.50	36.3
04/28/2014 2:57:00 AM	3.54	37.1
04/28/2014 2:58:00 AM	3.74	37.3
04/28/2014 3:04:00 AM	3.66	38.0
04/28/2014 3:05:00 AM	3.88	37.5
04/28/2014 3:06:00 AM	3.70	37.3
04/28/2014 3:07:00 AM	3.98	37.3
04/28/2014 3:08:00 AM	4.31	37.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/28/2014 3:09:00 AM	3.91	37.3
04/28/2014 3:10:00 AM	3.65	37.8
04/28/2014 3:11:00 AM	3.84	38.0
04/28/2014 3:12:00 AM	3.90	37.9
04/28/2014 3:13:00 AM	3.66	37.4
04/28/2014 3:15:00 AM	3.98	37.8
04/28/2014 3:18:00 AM	3.68	36.9
04/28/2014 3:19:00 AM	3.67	37.3
04/28/2014 3:25:00 AM	4.28	39.6
04/28/2014 3:26:00 AM	3.54	38.1
04/28/2014 3:27:00 AM	3.86	38.3
04/28/2014 3:28:00 AM	4.29	38.1
04/28/2014 3:29:00 AM	4.01	38.1
04/28/2014 3:30:00 AM	3.93	38.3
04/28/2014 3:31:00 AM	3.92	38.0
04/28/2014 3:32:00 AM	3.65	38.5
04/28/2014 3:33:00 AM	3.53	38.7
04/28/2014 3:34:00 AM	3.61	39.1
04/28/2014 3:35:00 AM	4.32	39.2
04/28/2014 3:36:00 AM	4.36	38.9
04/28/2014 3:41:00 AM	4.01	39.1
04/28/2014 3:43:00 AM	3.72	48.2
04/28/2014 3:45:00 AM	4.15	39.7
04/28/2014 3:48:00 AM	4.87	38.6
04/28/2014 3:50:00 AM	4.36	38.4
04/28/2014 3:53:00 AM	3.73	40.5
04/28/2014 3:54:00 AM	3.80	41.3
04/28/2014 3:55:00 AM	4.39	39.4
04/28/2014 3:56:00 AM	4.41	39.1
04/28/2014 3:57:00 AM	4.33	39.5
04/28/2014 3:58:00 AM	4.47	39.3
04/28/2014 3:59:00 AM	4.06	42.0
04/28/2014 4:00:00 AM	3.51	42.1
04/28/2014 4:02:00 AM	4.04	39.9
04/28/2014 4:03:00 AM	4.18	39.3
04/28/2014 4:04:00 AM	4.02	39.6
04/28/2014 4:05:00 AM	4.20	40.2
04/28/2014 4:06:00 AM	4.75	40.1
04/28/2014 4:07:00 AM	5.62	39.7
04/28/2014 4:08:00 AM	4.64	39.9
04/28/2014 4:09:00 AM	4.76	44.2
04/28/2014 4:13:00 AM	4.77	40.1
04/28/2014 4:14:00 AM	3.86	40.7
04/28/2014 4:16:00 AM	5.11	40.0
04/28/2014 4:18:00 AM	4.48	39.8
04/28/2014 4:19:00 AM	3.89	39.8
04/28/2014 4:20:00 AM	4.13	43.0
04/28/2014 4:23:00 AM	4.93	41.7
04/28/2014 4:25:00 AM	4.60	39.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/28/2014 4:26:00 AM	3.89	39.3
04/28/2014 4:28:00 AM	4.35	45.4
04/28/2014 4:29:00 AM	4.52	40.0
04/28/2014 4:30:00 AM	4.18	47.5
04/28/2014 4:34:00 AM	3.51	38.0
04/28/2014 4:35:00 AM	3.55	37.4
04/28/2014 4:37:00 AM	3.80	37.3
04/28/2014 4:39:00 AM	4.00	36.2
04/28/2014 4:47:00 AM	3.59	39.1
04/28/2014 4:55:00 AM	3.77	48.4
04/28/2014 4:56:00 AM	3.91	39.1
04/28/2014 4:58:00 AM	4.26	39.4
04/28/2014 4:59:00 AM	4.06	40.0
04/28/2014 10:02:00 PM	5.66	44.1
04/28/2014 10:04:00 PM	5.48	41.8
04/28/2014 10:07:00 PM	5.33	42.1
04/28/2014 10:09:00 PM	4.96	42.2
04/28/2014 10:11:00 PM	5.81	44.2
04/28/2014 10:13:00 PM	4.22	41.3
04/28/2014 10:15:00 PM	4.88	45.8
04/28/2014 10:16:00 PM	6.32	48.5
04/28/2014 10:17:00 PM	6.05	48.7
04/28/2014 10:19:00 PM	7.01	41.0
04/28/2014 10:20:00 PM	4.70	40.8
04/28/2014 10:21:00 PM	4.76	43.1
04/28/2014 10:23:00 PM	4.49	40.9
04/28/2014 10:24:00 PM	4.40	41.0
04/28/2014 10:26:00 PM	5.23	41.2
04/28/2014 10:27:00 PM	4.21	40.4
04/28/2014 10:28:00 PM	4.32	42.4
04/28/2014 10:29:00 PM	3.85	48.8
04/28/2014 10:32:00 PM	4.31	46.6
04/28/2014 10:34:00 PM	4.69	46.1
04/28/2014 10:35:00 PM	3.69	44.3
04/28/2014 10:36:00 PM	4.61	41.4
04/28/2014 10:37:00 PM	5.24	44.1
04/28/2014 10:38:00 PM	4.65	49.6
04/28/2014 10:39:00 PM	4.38	43.1
04/28/2014 10:42:00 PM	6.58	43.7
04/28/2014 10:45:00 PM	5.80	41.6
04/28/2014 10:48:00 PM	5.66	41.5
04/28/2014 10:49:00 PM	5.23	41.6
04/28/2014 10:50:00 PM	5.60	43.5
04/28/2014 10:51:00 PM	5.63	42.3
04/28/2014 10:52:00 PM	6.23	41.6
04/28/2014 10:53:00 PM	4.84	46.0
04/28/2014 10:54:00 PM	5.06	42.5
04/28/2014 10:55:00 PM	5.55	41.4
04/28/2014 10:56:00 PM	4.68	42.3

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/28/2014 10:57:00 PM	4.95	48.9
04/28/2014 10:59:00 PM	4.66	41.9
04/28/2014 11:00:00 PM	5.14	41.8
04/28/2014 11:01:00 PM	4.35	41.4
04/28/2014 11:02:00 PM	5.10	41.8
04/28/2014 11:04:00 PM	6.02	46.2
04/28/2014 11:06:00 PM	5.33	45.8
04/28/2014 11:07:00 PM	5.16	43.5
04/28/2014 11:08:00 PM	5.51	46.5
04/28/2014 11:12:00 PM	5.69	43.0
04/28/2014 11:15:00 PM	6.54	41.8
04/28/2014 11:16:00 PM	5.25	41.6
04/28/2014 11:18:00 PM	5.68	41.7
04/28/2014 11:19:00 PM	4.42	42.4
04/28/2014 11:20:00 PM	4.86	42.2
04/28/2014 11:21:00 PM	4.91	43.2
04/28/2014 11:27:00 PM	5.65	43.1
04/28/2014 11:29:00 PM	5.43	46.0
04/28/2014 11:30:00 PM	6.04	43.0
04/28/2014 11:35:00 PM	4.73	47.5
04/28/2014 11:39:00 PM	6.24	41.9
04/28/2014 11:44:00 PM	4.66	42.0
04/28/2014 11:50:00 PM	5.38	44.2
04/28/2014 11:51:00 PM	6.53	42.7
04/28/2014 11:56:00 PM	5.57	42.7
04/28/2014 11:57:00 PM	5.55	44.9
04/28/2014 11:59:00 PM	5.64	43.5
04/29/2014 12:03:00 AM	5.70	46.4
04/29/2014 12:05:00 AM	6.84	45.6
04/29/2014 12:11:00 AM	5.86	45.7
04/29/2014 12:17:00 AM	5.02	42.6
04/29/2014 12:18:00 AM	5.00	47.1
04/29/2014 12:20:00 AM	5.51	43.0
04/29/2014 12:21:00 AM	6.94	43.5
04/29/2014 12:24:00 AM	4.96	41.6
04/29/2014 12:28:00 AM	5.95	43.5
04/29/2014 12:31:00 AM	6.01	42.1
04/29/2014 12:32:00 AM	4.96	41.6
04/29/2014 12:33:00 AM	5.46	42.2
04/29/2014 12:34:00 AM	4.47	43.0
04/29/2014 12:36:00 AM	5.56	42.6
04/29/2014 12:39:00 AM	6.03	42.3
04/29/2014 12:41:00 AM	5.48	42.1
04/29/2014 12:43:00 AM	4.05	41.6
04/29/2014 12:44:00 AM	3.59	41.5
04/29/2014 12:46:00 AM	5.23	41.7
04/29/2014 12:47:00 AM	5.76	41.1
04/29/2014 12:48:00 AM	4.69	41.2
04/29/2014 12:50:00 AM	4.48	42.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/29/2014 12:51:00 AM	6.68	41.0
04/29/2014 12:52:00 AM	5.41	43.6
04/29/2014 12:56:00 AM	5.58	42.9
04/29/2014 12:57:00 AM	6.63	48.5
04/29/2014 1:02:00 AM	6.25	42.3
04/29/2014 1:04:00 AM	5.76	42.4
04/29/2014 1:07:00 AM	5.24	43.3
04/29/2014 1:09:00 AM	6.19	41.5
04/29/2014 1:14:00 AM	5.91	44.0
04/29/2014 1:15:00 AM	5.31	42.8
04/29/2014 1:17:00 AM	5.57	42.1
04/29/2014 1:19:00 AM	5.46	43.5
04/29/2014 1:27:00 AM	5.61	41.9
04/29/2014 1:30:00 AM	5.91	42.4
04/29/2014 1:31:00 AM	5.84	41.3
04/29/2014 1:32:00 AM	4.36	42.0
04/29/2014 1:34:00 AM	5.95	43.5
04/29/2014 1:35:00 AM	6.42	41.9
04/29/2014 1:36:00 AM	5.51	41.4
04/29/2014 1:37:00 AM	5.72	40.2
04/29/2014 1:39:00 AM	3.58	40.0
04/29/2014 1:40:00 AM	4.26	40.2
04/29/2014 1:42:00 AM	4.83	39.9
04/29/2014 1:43:00 AM	4.41	41.0
04/29/2014 1:45:00 AM	5.16	40.3
04/29/2014 1:46:00 AM	4.64	41.0
04/29/2014 1:47:00 AM	4.24	40.4
04/29/2014 1:48:00 AM	4.40	41.4
04/29/2014 1:54:00 AM	5.40	41.1
04/29/2014 1:55:00 AM	5.04	43.4
04/29/2014 1:57:00 AM	5.06	40.7
04/29/2014 1:58:00 AM	4.02	42.5
04/29/2014 1:59:00 AM	4.67	41.2
04/29/2014 2:01:00 AM	4.56	41.6
04/29/2014 2:03:00 AM	4.53	42.2
04/29/2014 2:05:00 AM	5.26	42.0
04/29/2014 2:08:00 AM	6.43	40.7
04/29/2014 2:11:00 AM	4.66	40.8
04/29/2014 2:12:00 AM	4.99	41.2
04/29/2014 2:13:00 AM	4.97	40.6
04/29/2014 2:15:00 AM	4.59	41.0
04/29/2014 2:16:00 AM	5.67	40.7
04/29/2014 2:17:00 AM	4.11	39.9
04/29/2014 2:19:00 AM	4.58	40.2
04/29/2014 2:20:00 AM	4.27	48.9
04/29/2014 2:21:00 AM	4.07	39.0
04/29/2014 2:22:00 AM	3.84	38.0
04/29/2014 2:23:00 AM	3.78	39.3
04/29/2014 2:24:00 AM	4.43	38.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/29/2014 2:25:00 AM	4.10	38.1
04/29/2014 2:27:00 AM	4.46	39.1
04/29/2014 2:28:00 AM	4.13	39.0
04/29/2014 2:29:00 AM	3.91	41.1
04/29/2014 2:31:00 AM	5.98	41.7
04/29/2014 2:32:00 AM	4.54	40.9
04/29/2014 2:33:00 AM	4.26	38.7
04/29/2014 2:35:00 AM	4.74	40.8
04/29/2014 2:37:00 AM	4.51	39.5
04/29/2014 2:39:00 AM	4.79	41.1
04/29/2014 2:40:00 AM	4.10	40.4
04/29/2014 2:41:00 AM	5.08	40.1
04/29/2014 2:42:00 AM	4.96	39.8
04/29/2014 2:43:00 AM	3.60	40.9
04/29/2014 2:45:00 AM	5.49	41.1
04/29/2014 2:46:00 AM	5.13	42.2
04/29/2014 2:47:00 AM	5.58	41.3
04/29/2014 2:50:00 AM	4.55	41.9
04/29/2014 2:51:00 AM	5.09	41.2
04/29/2014 2:52:00 AM	5.56	42.3
04/29/2014 2:53:00 AM	6.16	40.4
04/29/2014 2:54:00 AM	5.01	41.0
04/29/2014 2:55:00 AM	5.20	41.4
04/29/2014 2:58:00 AM	3.99	41.1
04/29/2014 2:59:00 AM	4.21	40.8
04/29/2014 3:00:00 AM	4.37	41.4
04/29/2014 3:01:00 AM	4.91	40.3
04/29/2014 3:03:00 AM	4.79	40.8
04/29/2014 3:06:00 AM	5.43	40.8
04/29/2014 3:07:00 AM	5.48	40.9
04/29/2014 3:08:00 AM	4.70	41.1
04/29/2014 3:09:00 AM	5.65	40.3
04/29/2014 3:11:00 AM	4.56	40.8
04/29/2014 3:14:00 AM	4.98	41.1
04/29/2014 3:15:00 AM	5.35	39.9
04/29/2014 3:16:00 AM	4.39	40.8
04/29/2014 3:19:00 AM	4.43	39.6
04/29/2014 3:20:00 AM	4.85	39.6
04/29/2014 3:21:00 AM	4.57	39.1
04/29/2014 3:22:00 AM	3.98	39.6
04/29/2014 3:23:00 AM	4.84	39.7
04/29/2014 3:24:00 AM	4.11	39.1
04/29/2014 3:25:00 AM	4.12	38.4
04/29/2014 3:27:00 AM	4.30	39.4
04/29/2014 3:28:00 AM	5.01	39.0
04/29/2014 3:29:00 AM	4.99	40.1
04/29/2014 3:31:00 AM	4.11	39.2
04/29/2014 3:32:00 AM	4.15	42.8
04/29/2014 3:33:00 AM	4.25	40.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/29/2014 3:34:00 AM	4.69	46.7
04/29/2014 3:35:00 AM	4.54	48.0
04/29/2014 3:36:00 AM	4.90	40.7
04/29/2014 3:37:00 AM	4.50	41.9
04/29/2014 3:38:00 AM	4.15	42.3
04/29/2014 3:40:00 AM	4.58	40.0
04/29/2014 3:41:00 AM	4.03	39.6
04/29/2014 3:42:00 AM	4.48	39.9
04/29/2014 3:43:00 AM	4.51	40.0
04/29/2014 3:44:00 AM	4.93	44.0
04/29/2014 3:45:00 AM	4.99	40.8
04/29/2014 3:46:00 AM	5.24	40.7
04/29/2014 3:47:00 AM	4.79	41.0
04/29/2014 3:48:00 AM	4.63	46.4
04/29/2014 3:49:00 AM	5.34	46.8
04/29/2014 3:50:00 AM	6.37	42.6
04/29/2014 3:51:00 AM	6.24	41.2
04/29/2014 3:52:00 AM	6.20	40.8
04/29/2014 3:53:00 AM	5.72	41.1
04/29/2014 3:54:00 AM	5.47	40.7
04/29/2014 3:55:00 AM	4.92	41.5
04/29/2014 3:56:00 AM	5.76	41.3
04/29/2014 3:57:00 AM	5.90	40.6
04/29/2014 4:00:00 AM	4.91	41.1
04/29/2014 4:02:00 AM	5.48	42.3
04/29/2014 4:03:00 AM	6.33	41.0
04/29/2014 4:04:00 AM	5.66	40.5
04/29/2014 4:05:00 AM	5.19	41.1
04/29/2014 4:06:00 AM	5.13	41.8
04/29/2014 4:07:00 AM	5.62	41.3
04/29/2014 4:08:00 AM	6.13	42.5
04/29/2014 4:10:00 AM	6.13	43.7
04/29/2014 4:11:00 AM	5.31	43.3
04/29/2014 4:12:00 AM	6.30	42.4
04/29/2014 4:13:00 AM	6.40	40.4
04/29/2014 4:16:00 AM	5.19	44.1
04/29/2014 4:17:00 AM	4.63	42.1
04/29/2014 4:18:00 AM	4.92	41.3
04/29/2014 4:20:00 AM	4.51	45.0
04/29/2014 4:21:00 AM	4.09	43.1
04/29/2014 4:22:00 AM	5.62	41.1
04/29/2014 4:25:00 AM	5.45	41.9
04/29/2014 4:26:00 AM	5.28	41.8
04/29/2014 4:27:00 AM	5.12	43.3
04/29/2014 4:28:00 AM	4.79	44.0
04/29/2014 4:29:00 AM	4.02	41.7
04/29/2014 4:31:00 AM	5.38	42.3
04/29/2014 4:32:00 AM	4.99	40.3
04/29/2014 4:33:00 AM	5.31	47.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/29/2014 4:35:00 AM	4.78	45.8
04/29/2014 4:36:00 AM	3.98	41.2
04/29/2014 4:37:00 AM	4.73	39.8
04/29/2014 4:38:00 AM	4.71	40.9
04/29/2014 4:39:00 AM	4.59	40.4
04/29/2014 4:43:00 AM	4.93	40.6
04/29/2014 4:44:00 AM	4.68	40.2
04/29/2014 4:45:00 AM	4.20	40.3
04/29/2014 4:46:00 AM	4.99	41.2
04/29/2014 4:48:00 AM	5.55	45.3
04/29/2014 4:49:00 AM	5.92	43.6
04/29/2014 4:50:00 AM	5.45	40.8
04/29/2014 4:51:00 AM	6.20	40.7
04/29/2014 4:52:00 AM	5.08	41.0
04/29/2014 4:53:00 AM	6.24	40.5
04/29/2014 4:54:00 AM	5.32	40.5
04/29/2014 4:55:00 AM	4.37	48.2
04/29/2014 4:56:00 AM	5.07	42.9
04/29/2014 4:58:00 AM	4.20	41.3
04/29/2014 4:59:00 AM	5.53	46.9
05/01/2014 4:46:00 AM	5.66	45.2
05/01/2014 4:47:00 AM	5.44	43.9
05/01/2014 4:48:00 AM	5.43	40.8
05/01/2014 4:49:00 AM	4.84	47.7
05/01/2014 4:50:00 AM	4.96	42.2
05/01/2014 4:51:00 AM	4.69	43.7
05/01/2014 4:52:00 AM	4.18	38.6
05/01/2014 4:53:00 AM	4.06	47.1
05/01/2014 4:54:00 AM	4.54	41.6
05/01/2014 4:55:00 AM	4.50	42.4
05/01/2014 4:56:00 AM	4.52	45.6
05/01/2014 4:57:00 AM	5.60	42.0
05/01/2014 4:58:00 AM	4.96	41.3
05/01/2014 4:59:00 AM	5.00	47.7
05/01/2014 10:00:00 PM	5.62	49.2
05/01/2014 10:02:00 PM	6.64	45.3
05/01/2014 10:03:00 PM	6.74	49.4
05/01/2014 10:04:00 PM	6.52	48.3
05/01/2014 10:05:00 PM	6.92	47.1
05/01/2014 10:06:00 PM	7.24	46.9
05/01/2014 10:07:00 PM	6.88	45.7
05/01/2014 10:08:00 PM	6.74	46.5
05/01/2014 10:09:00 PM	6.41	45.7
05/01/2014 10:10:00 PM	7.00	46.5
05/01/2014 10:11:00 PM	6.15	49.7
05/01/2014 10:12:00 PM	7.28	47.6
05/01/2014 10:13:00 PM	7.02	45.0
05/01/2014 10:14:00 PM	6.37	49.0
05/01/2014 10:15:00 PM	6.71	45.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/01/2014 10:16:00 PM	7.14	47.0
05/01/2014 10:17:00 PM	5.83	47.6
05/01/2014 10:18:00 PM	6.44	47.4
05/01/2014 10:19:00 PM	6.84	49.6
05/01/2014 10:20:00 PM	7.21	48.2
05/01/2014 10:21:00 PM	7.24	44.3
05/01/2014 10:22:00 PM	5.61	48.0
05/01/2014 10:23:00 PM	6.26	47.5
05/01/2014 10:24:00 PM	7.22	47.9
05/01/2014 10:25:00 PM	6.27	42.3
05/01/2014 10:26:00 PM	6.23	43.9
05/01/2014 10:27:00 PM	4.79	44.1
05/01/2014 10:28:00 PM	5.98	40.8
05/01/2014 10:29:00 PM	5.43	40.0
05/01/2014 10:30:00 PM	5.06	42.6
05/01/2014 10:31:00 PM	5.28	44.7
05/01/2014 10:32:00 PM	6.26	42.5
05/01/2014 10:33:00 PM	5.67	43.1
05/01/2014 10:34:00 PM	5.75	44.9
05/01/2014 10:35:00 PM	5.83	45.0
05/01/2014 10:36:00 PM	6.22	43.4
05/01/2014 10:37:00 PM	6.05	43.9
05/01/2014 10:38:00 PM	6.07	45.1
05/01/2014 10:39:00 PM	6.07	44.7
05/01/2014 10:40:00 PM	6.68	45.0
05/01/2014 10:41:00 PM	6.18	44.8
05/01/2014 10:42:00 PM	6.48	41.2
05/01/2014 10:43:00 PM	5.35	41.8
05/01/2014 10:44:00 PM	5.33	40.9
05/01/2014 10:45:00 PM	4.83	43.4
05/01/2014 10:46:00 PM	5.27	42.5
05/01/2014 10:47:00 PM	5.28	45.2
05/01/2014 10:48:00 PM	6.38	47.6
05/01/2014 10:49:00 PM	6.28	43.5
05/01/2014 10:50:00 PM	5.19	43.7
05/01/2014 10:51:00 PM	5.42	45.1
05/01/2014 10:52:00 PM	5.61	49.0
05/01/2014 10:53:00 PM	6.56	47.2
05/01/2014 10:54:00 PM	6.46	44.6
05/01/2014 10:55:00 PM	6.78	45.4
05/01/2014 10:56:00 PM	6.28	41.4
05/01/2014 10:57:00 PM	5.40	41.4
05/01/2014 10:58:00 PM	5.05	43.2
05/01/2014 10:59:00 PM	5.20	44.6
05/01/2014 11:00:00 PM	5.92	44.8
05/01/2014 11:01:00 PM	5.63	45.9
05/01/2014 11:02:00 PM	6.46	43.3
05/01/2014 11:03:00 PM	6.56	41.9
05/01/2014 11:27:00 PM	5.42	43.1

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/01/2014 11:28:00 PM	5.20	41.7
05/01/2014 11:29:00 PM	5.26	40.7
05/01/2014 11:30:00 PM	5.01	43.5
05/01/2014 11:31:00 PM	4.71	40.5
05/01/2014 11:32:00 PM	4.71	39.1
05/01/2014 11:33:00 PM	4.36	40.7
05/01/2014 11:34:00 PM	4.54	44.9
05/01/2014 11:35:00 PM	5.91	45.2
05/01/2014 11:36:00 PM	6.45	44.5
05/01/2014 11:37:00 PM	5.53	43.5
05/01/2014 11:38:00 PM	5.53	45.3
05/01/2014 11:39:00 PM	5.23	46.5
05/01/2014 11:40:00 PM	4.96	44.8
05/01/2014 11:41:00 PM	5.04	39.4
05/01/2014 11:42:00 PM	4.67	40.8
05/01/2014 11:43:00 PM	4.52	42.8
05/01/2014 11:44:00 PM	5.47	41.6
05/01/2014 11:45:00 PM	5.35	43.5
05/01/2014 11:46:00 PM	5.39	42.8
05/01/2014 11:47:00 PM	5.62	44.7
05/01/2014 11:58:00 PM	6.76	43.8
05/01/2014 11:59:00 PM	6.62	45.9
05/02/2014 12:00:00 AM	5.60	44.0
05/02/2014 12:01:00 AM	5.28	45.5
05/02/2014 12:02:00 AM	5.90	43.7
05/02/2014 12:03:00 AM	5.35	48.2
05/02/2014 12:04:00 AM	5.69	46.0
05/02/2014 12:05:00 AM	5.70	41.6
05/02/2014 12:06:00 AM	5.94	40.9
05/02/2014 12:07:00 AM	5.36	43.1
05/02/2014 12:08:00 AM	5.31	45.2
05/02/2014 12:09:00 AM	6.08	46.0
05/02/2014 12:10:00 AM	6.51	46.7
05/02/2014 12:11:00 AM	6.37	45.5
05/02/2014 12:12:00 AM	6.06	43.4
05/02/2014 12:13:00 AM	5.34	45.4
05/02/2014 12:14:00 AM	6.32	47.7
05/02/2014 12:15:00 AM	6.48	48.5
05/02/2014 12:16:00 AM	6.71	50.6
05/02/2014 12:17:00 AM	6.95	50.8
05/02/2014 12:19:00 AM	7.11	48.5
05/02/2014 12:20:00 AM	7.47	44.5
05/02/2014 12:21:00 AM	5.84	45.3
05/02/2014 12:22:00 AM	5.95	42.0
05/02/2014 12:23:00 AM	5.46	45.0
05/02/2014 12:24:00 AM	5.52	44.3
05/02/2014 12:25:00 AM	6.03	45.7
05/02/2014 12:26:00 AM	6.33	43.3
05/02/2014 12:27:00 AM	5.72	43.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/02/2014 12:28:00 AM	6.23	43.6
05/02/2014 12:29:00 AM	5.69	45.9
05/02/2014 12:30:00 AM	6.44	42.6
05/02/2014 12:31:00 AM	5.89	42.6
05/02/2014 12:32:00 AM	5.19	41.9
05/02/2014 12:33:00 AM	5.35	45.4
05/02/2014 12:34:00 AM	5.79	49.5
05/02/2014 12:35:00 AM	7.12	47.6
05/02/2014 12:37:00 AM	6.03	45.3
05/02/2014 12:38:00 AM	6.34	43.9
05/02/2014 12:39:00 AM	6.19	48.1
05/02/2014 12:40:00 AM	6.50	45.4
05/02/2014 12:41:00 AM	6.44	44.1
05/02/2014 12:42:00 AM	6.00	44.0
05/02/2014 12:43:00 AM	5.57	47.3
05/02/2014 12:44:00 AM	5.76	43.2
05/02/2014 12:45:00 AM	5.66	42.3
05/02/2014 12:46:00 AM	5.75	40.2
05/02/2014 12:47:00 AM	5.29	40.7
05/02/2014 12:48:00 AM	5.02	40.0
05/02/2014 12:49:00 AM	4.77	46.5
05/02/2014 12:50:00 AM	5.31	39.5
05/02/2014 12:51:00 AM	4.59	39.1
05/02/2014 12:52:00 AM	4.36	41.0
05/02/2014 12:53:00 AM	4.89	41.6
05/02/2014 12:54:00 AM	4.95	41.2
05/02/2014 12:55:00 AM	5.34	39.1
05/02/2014 12:56:00 AM	4.87	41.8
05/02/2014 12:57:00 AM	4.59	41.4
05/02/2014 12:58:00 AM	5.71	42.5
05/02/2014 12:59:00 AM	5.29	43.1
05/02/2014 1:00:00 AM	5.47	41.6
05/02/2014 1:01:00 AM	5.71	40.2
05/02/2014 1:02:00 AM	4.80	41.1
05/02/2014 1:03:00 AM	5.51	40.9
05/02/2014 1:04:00 AM	5.14	41.9
05/02/2014 1:05:00 AM	5.53	41.4
05/02/2014 1:06:00 AM	5.39	41.1
05/02/2014 1:07:00 AM	5.30	41.7
05/02/2014 1:08:00 AM	5.35	40.6
05/02/2014 1:09:00 AM	4.95	42.1
05/02/2014 1:10:00 AM	5.39	41.8
05/02/2014 1:11:00 AM	5.41	43.7
05/02/2014 1:12:00 AM	5.93	40.8
05/02/2014 1:13:00 AM	5.69	45.4
05/02/2014 1:14:00 AM	5.76	42.9
05/02/2014 1:15:00 AM	5.91	45.0
05/02/2014 1:16:00 AM	6.05	44.8
05/02/2014 1:17:00 AM	6.18	44.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/02/2014 1:18:00 AM	6.34	46.9
05/02/2014 1:19:00 AM	6.44	44.2
05/02/2014 1:20:00 AM	6.62	45.8
05/02/2014 1:21:00 AM	6.62	43.0
05/02/2014 1:22:00 AM	5.94	42.6
05/02/2014 1:23:00 AM	5.51	42.5
05/02/2014 1:24:00 AM	5.80	41.9
05/02/2014 1:25:00 AM	5.36	43.5
05/02/2014 1:26:00 AM	6.11	45.2
05/02/2014 1:27:00 AM	5.98	42.9
05/02/2014 1:28:00 AM	5.87	42.4
05/02/2014 1:29:00 AM	5.35	43.6
05/02/2014 1:30:00 AM	5.90	42.1
05/02/2014 1:31:00 AM	5.76	43.4
05/02/2014 1:32:00 AM	5.74	44.4
05/02/2014 1:33:00 AM	5.44	44.3
05/02/2014 1:34:00 AM	6.19	43.4
05/02/2014 1:35:00 AM	5.99	41.0
05/02/2014 1:36:00 AM	4.94	40.4
05/02/2014 1:37:00 AM	5.42	39.1
05/02/2014 1:38:00 AM	5.02	39.4
05/02/2014 1:39:00 AM	4.29	40.2
05/02/2014 1:40:00 AM	5.12	39.2
05/02/2014 1:41:00 AM	4.71	39.5
05/02/2014 1:42:00 AM	4.57	39.5
05/02/2014 1:43:00 AM	4.38	38.6
05/02/2014 1:44:00 AM	4.32	39.1
05/02/2014 1:45:00 AM	4.18	37.9
05/02/2014 1:46:00 AM	3.83	38.5
05/02/2014 1:47:00 AM	4.38	37.6
05/02/2014 1:48:00 AM	3.73	38.0
05/02/2014 1:49:00 AM	4.01	45.6
05/02/2014 1:50:00 AM	4.15	43.5
05/02/2014 1:51:00 AM	4.08	39.8
05/02/2014 1:52:00 AM	4.64	44.8
05/02/2014 1:53:00 AM	4.26	42.8
05/02/2014 1:54:00 AM	4.88	41.0
05/02/2014 1:55:00 AM	4.72	42.7
05/02/2014 1:56:00 AM	4.98	41.1
05/02/2014 1:57:00 AM	5.31	39.2
05/02/2014 1:58:00 AM	4.73	42.7
05/02/2014 1:59:00 AM	5.02	42.0
05/02/2014 2:00:00 AM	5.75	41.4
05/02/2014 2:01:00 AM	5.25	40.9
05/02/2014 2:02:00 AM	5.17	43.2
05/02/2014 2:03:00 AM	5.14	41.9
05/02/2014 2:04:00 AM	5.65	39.5
05/02/2014 2:05:00 AM	5.06	43.8
05/02/2014 2:06:00 AM	5.43	46.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/02/2014 2:07:00 AM	6.49	44.1
05/02/2014 2:08:00 AM	6.08	44.2
05/02/2014 2:09:00 AM	5.81	44.4
05/02/2014 2:10:00 AM	5.89	44.8
05/02/2014 2:11:00 AM	6.07	41.1
05/02/2014 2:12:00 AM	5.16	44.4
05/02/2014 2:13:00 AM	5.87	39.6
05/02/2014 2:15:00 AM	5.60	45.0
05/02/2014 2:16:00 AM	6.15	40.9
05/02/2014 2:17:00 AM	5.51	43.6
05/02/2014 2:18:00 AM	5.16	45.6
05/02/2014 2:19:00 AM	6.19	44.2
05/02/2014 2:20:00 AM	6.26	42.6
05/02/2014 2:21:00 AM	5.95	42.0
05/02/2014 2:22:00 AM	5.06	45.3
05/02/2014 2:23:00 AM	5.40	45.1
05/02/2014 2:24:00 AM	6.37	45.4
05/02/2014 2:26:00 AM	6.85	46.9
05/02/2014 2:27:00 AM	6.84	53.7
05/02/2014 2:29:00 AM	7.15	45.7
05/02/2014 2:30:00 AM	6.03	43.9
05/02/2014 2:31:00 AM	6.32	46.3
05/02/2014 2:32:00 AM	6.39	45.6
05/02/2014 2:33:00 AM	6.23	46.2
05/02/2014 2:34:00 AM	6.43	43.2
05/02/2014 2:35:00 AM	6.17	43.2
05/02/2014 2:36:00 AM	5.65	41.9
05/02/2014 2:37:00 AM	5.70	42.0
05/02/2014 2:38:00 AM	5.37	41.2
05/02/2014 2:39:00 AM	5.64	44.9
05/02/2014 2:40:00 AM	5.67	42.4
05/02/2014 2:41:00 AM	5.68	40.6
05/02/2014 2:42:00 AM	5.26	40.4
05/02/2014 2:43:00 AM	4.82	40.4
05/02/2014 2:44:00 AM	4.51	44.9
05/02/2014 2:45:00 AM	6.36	39.7
05/02/2014 2:46:00 AM	4.91	42.7
05/02/2014 2:47:00 AM	5.29	42.5
05/02/2014 2:48:00 AM	5.62	42.2
05/02/2014 2:49:00 AM	5.78	43.7
05/02/2014 2:50:00 AM	5.63	43.0
05/02/2014 2:51:00 AM	5.85	39.2
05/02/2014 2:52:00 AM	4.70	42.9
05/02/2014 2:53:00 AM	5.44	42.5
05/02/2014 2:54:00 AM	5.62	45.0
05/02/2014 2:55:00 AM	6.26	41.7
05/02/2014 2:56:00 AM	5.60	42.5
05/02/2014 2:57:00 AM	5.53	42.2
05/02/2014 2:58:00 AM	5.50	44.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/02/2014 2:59:00 AM	5.70	42.2
05/02/2014 3:00:00 AM	5.51	42.8
05/02/2014 3:01:00 AM	5.55	44.6
05/02/2014 3:02:00 AM	5.87	47.3
05/02/2014 3:03:00 AM	6.50	47.2
05/02/2014 3:04:00 AM	6.70	47.8
05/02/2014 3:05:00 AM	7.12	46.7
05/02/2014 3:06:00 AM	6.41	44.6
05/02/2014 3:07:00 AM	6.44	46.1
05/02/2014 3:08:00 AM	6.25	47.7
05/02/2014 3:09:00 AM	6.87	47.3
05/02/2014 3:10:00 AM	6.94	46.4
05/02/2014 3:11:00 AM	5.86	44.5
05/02/2014 3:12:00 AM	6.44	48.9
05/02/2014 3:13:00 AM	6.59	47.6
05/02/2014 3:14:00 AM	6.97	49.0
05/02/2014 3:15:00 AM	6.95	48.2
05/02/2014 3:16:00 AM	7.36	49.4
05/02/2014 3:17:00 AM	6.96	50.1
05/02/2014 3:18:00 AM	6.82	50.4
05/02/2014 3:19:00 AM	7.47	47.7
05/02/2014 3:20:00 AM	7.35	49.6
05/02/2014 3:21:00 AM	6.93	48.0
05/02/2014 3:22:00 AM	6.87	48.3
05/02/2014 3:23:00 AM	6.86	46.3
05/02/2014 3:24:00 AM	6.71	50.4
05/02/2014 3:25:00 AM	7.30	46.4
05/02/2014 3:26:00 AM	7.13	45.5
05/02/2014 3:27:00 AM	6.27	43.2
05/02/2014 3:28:00 AM	5.68	44.7
05/02/2014 3:29:00 AM	5.66	43.1
05/02/2014 3:30:00 AM	5.63	47.6
05/02/2014 3:31:00 AM	6.19	46.0
05/02/2014 3:32:00 AM	6.31	48.7
05/02/2014 3:33:00 AM	6.80	46.7
05/02/2014 3:34:00 AM	7.05	46.8
05/02/2014 3:35:00 AM	6.65	49.2
05/02/2014 3:36:00 AM	6.63	49.0
05/02/2014 3:37:00 AM	7.28	45.9
05/02/2014 3:38:00 AM	6.52	47.1
05/02/2014 3:39:00 AM	6.44	50.4
05/02/2014 3:40:00 AM	6.72	49.1
05/02/2014 3:42:00 AM	6.78	50.9
05/02/2014 3:43:00 AM	7.30	46.1
05/02/2014 3:44:00 AM	7.19	48.9
05/02/2014 3:45:00 AM	6.38	49.9
05/02/2014 3:46:00 AM	7.32	49.1
05/02/2014 3:47:00 AM	7.22	46.9
05/02/2014 3:48:00 AM	6.51	49.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/02/2014 3:49:00 AM	6.68	46.8
05/02/2014 3:50:00 AM	7.17	49.0
05/02/2014 3:51:00 AM	6.82	48.6
05/02/2014 3:52:00 AM	7.16	46.0
05/02/2014 3:53:00 AM	6.79	44.6
05/02/2014 3:54:00 AM	5.40	43.9
05/02/2014 3:55:00 AM	5.57	42.6
05/02/2014 3:56:00 AM	5.80	44.0
05/02/2014 3:57:00 AM	5.37	40.9
05/02/2014 3:58:00 AM	5.35	40.9
05/02/2014 3:59:00 AM	5.26	43.7
05/02/2014 4:00:00 AM	5.10	46.2
05/02/2014 4:01:00 AM	6.48	43.0
05/02/2014 4:02:00 AM	5.79	43.6
05/02/2014 4:03:00 AM	5.54	45.5
05/02/2014 4:04:00 AM	6.16	47.0
05/02/2014 4:05:00 AM	6.60	47.8
05/02/2014 4:06:00 AM	6.66	45.6
05/02/2014 4:07:00 AM	6.53	47.8
05/02/2014 4:08:00 AM	6.34	50.7
05/02/2014 4:09:00 AM	7.22	47.1
05/02/2014 4:10:00 AM	6.77	47.5
05/02/2014 4:11:00 AM	6.65	50.0
05/02/2014 4:17:00 AM	6.48	45.4
05/02/2014 4:18:00 AM	6.86	42.7
05/02/2014 4:19:00 AM	5.69	48.1
05/02/2014 4:20:00 AM	6.21	51.8
05/02/2014 4:22:00 AM	6.86	44.5
05/02/2014 4:23:00 AM	6.23	46.1
05/02/2014 4:24:00 AM	6.24	48.6
05/02/2014 4:28:00 AM	7.02	48.5
05/02/2014 4:29:00 AM	7.14	46.8
05/02/2014 4:30:00 AM	7.18	49.7
05/02/2014 4:31:00 AM	6.57	50.3
05/02/2014 4:33:00 AM	7.09	46.0
05/02/2014 4:34:00 AM	6.64	48.9
05/02/2014 4:35:00 AM	6.93	47.4
05/02/2014 4:36:00 AM	6.81	50.5
05/02/2014 4:37:00 AM	6.93	46.5
05/02/2014 4:38:00 AM	6.97	46.9
05/02/2014 4:39:00 AM	6.57	45.0
05/02/2014 4:40:00 AM	6.59	46.5
05/02/2014 4:41:00 AM	6.67	45.9
05/02/2014 4:42:00 AM	6.35	44.9
05/02/2014 4:43:00 AM	6.24	45.8
05/02/2014 4:44:00 AM	6.26	46.5
05/02/2014 4:45:00 AM	6.29	49.0
05/02/2014 4:46:00 AM	6.77	48.2
05/02/2014 4:47:00 AM	6.37	47.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/02/2014 4:48:00 AM	6.63	47.9
05/02/2014 4:49:00 AM	6.31	50.6
05/02/2014 4:50:00 AM	7.27	48.0
05/02/2014 4:51:00 AM	6.85	48.0
05/02/2014 4:52:00 AM	6.15	50.7
05/02/2014 4:54:00 AM	6.09	51.9
05/02/2014 4:56:00 AM	7.14	46.4
05/02/2014 4:57:00 AM	5.83	47.6
05/02/2014 4:58:00 AM	6.31	44.9
05/02/2014 4:59:00 AM	6.42	46.4
05/02/2014 10:00:00 PM	6.22	47.1
05/02/2014 10:01:00 PM	6.53	50.2
05/02/2014 10:02:00 PM	7.03	50.3
05/02/2014 10:04:00 PM	6.60	48.4
05/02/2014 10:05:00 PM	6.50	45.9
05/02/2014 10:06:00 PM	6.00	44.4
05/02/2014 10:07:00 PM	6.37	44.2
05/02/2014 10:08:00 PM	5.69	43.0
05/02/2014 10:09:00 PM	6.16	43.5
05/02/2014 10:10:00 PM	5.67	44.7
05/02/2014 10:11:00 PM	6.21	47.2
05/02/2014 10:12:00 PM	6.11	45.3
05/02/2014 10:13:00 PM	6.35	46.9
05/02/2014 10:14:00 PM	6.06	46.8
05/02/2014 10:15:00 PM	6.75	43.1
05/02/2014 10:16:00 PM	6.07	46.2
05/02/2014 10:17:00 PM	6.21	49.0
05/02/2014 10:18:00 PM	6.89	46.4
05/02/2014 10:19:00 PM	6.55	45.3
05/02/2014 10:20:00 PM	6.41	43.1
05/02/2014 10:21:00 PM	5.55	45.2
05/02/2014 10:22:00 PM	5.70	47.0
05/02/2014 10:23:00 PM	5.16	46.0
05/02/2014 10:24:00 PM	6.36	44.7
05/02/2014 10:25:00 PM	5.70	44.7
05/02/2014 10:26:00 PM	5.92	45.7
05/02/2014 10:27:00 PM	6.36	45.4
05/02/2014 10:28:00 PM	5.69	43.2
05/02/2014 10:29:00 PM	6.09	42.7
05/02/2014 10:30:00 PM	5.51	47.0
05/02/2014 10:31:00 PM	5.67	47.0
05/02/2014 10:32:00 PM	6.64	45.6
05/02/2014 10:33:00 PM	6.42	45.5
05/02/2014 10:34:00 PM	6.41	43.5
05/02/2014 10:35:00 PM	5.64	45.1
05/02/2014 10:36:00 PM	6.08	44.2
05/02/2014 10:37:00 PM	5.93	42.1
05/02/2014 10:38:00 PM	5.44	45.7
05/02/2014 10:39:00 PM	5.58	43.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/02/2014 10:40:00 PM	5.86	43.6
05/02/2014 10:41:00 PM	5.23	43.0
05/02/2014 10:42:00 PM	5.82	45.0
05/02/2014 10:43:00 PM	5.50	46.0
05/02/2014 10:44:00 PM	5.46	43.5
05/02/2014 10:45:00 PM	5.47	43.1
05/02/2014 10:46:00 PM	5.89	45.4
05/02/2014 10:47:00 PM	6.07	46.1
05/02/2014 10:48:00 PM	6.60	46.5
05/02/2014 10:49:00 PM	6.80	47.7
05/02/2014 10:50:00 PM	6.30	45.2
05/02/2014 10:51:00 PM	6.94	46.4
05/02/2014 10:52:00 PM	6.45	44.9
05/02/2014 10:53:00 PM	6.02	42.6
05/02/2014 10:54:00 PM	5.44	45.1
05/02/2014 10:55:00 PM	5.68	43.9
05/02/2014 10:56:00 PM	6.21	46.5
05/02/2014 10:57:00 PM	6.07	46.6
05/02/2014 10:58:00 PM	5.99	47.3
05/02/2014 10:59:00 PM	6.17	47.5
05/02/2014 11:00:00 PM	6.43	50.0
05/02/2014 11:02:00 PM	7.12	50.3
05/02/2014 11:03:00 PM	7.00	50.8
05/02/2014 11:07:00 PM	7.02	52.7
05/02/2014 11:08:00 PM	7.46	47.1
05/02/2014 11:10:00 PM	6.46	44.1
05/02/2014 11:11:00 PM	5.97	44.0
05/02/2014 11:12:00 PM	6.21	46.5
05/02/2014 11:13:00 PM	5.79	45.8
05/02/2014 11:14:00 PM	6.69	44.1
05/02/2014 11:15:00 PM	5.96	45.0
05/02/2014 11:16:00 PM	6.63	46.1
05/02/2014 11:17:00 PM	5.75	45.2
05/02/2014 11:18:00 PM	6.01	44.2
05/02/2014 11:19:00 PM	5.91	44.6
05/02/2014 11:20:00 PM	5.64	44.7
05/02/2014 11:21:00 PM	6.26	45.1
05/02/2014 11:22:00 PM	6.27	42.9
05/02/2014 11:23:00 PM	5.14	38.6
05/02/2014 11:24:00 PM	4.71	41.1
05/02/2014 11:25:00 PM	5.28	41.3
05/02/2014 11:26:00 PM	4.64	40.2
05/02/2014 11:27:00 PM	5.39	38.7
05/02/2014 11:28:00 PM	4.97	39.4
05/02/2014 11:29:00 PM	4.48	41.2
05/02/2014 11:30:00 PM	5.13	39.8
05/02/2014 11:31:00 PM	4.47	41.9
05/02/2014 11:32:00 PM	4.22	42.7
05/02/2014 11:33:00 PM	5.26	40.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/02/2014 11:34:00 PM	4.82	42.2
05/02/2014 11:35:00 PM	5.21	42.0
05/02/2014 11:36:00 PM	5.40	42.9
05/02/2014 11:37:00 PM	5.18	48.2
05/02/2014 11:38:00 PM	5.11	43.8
05/02/2014 11:39:00 PM	5.47	44.4
05/02/2014 11:40:00 PM	5.08	42.5
05/02/2014 11:41:00 PM	5.59	43.3
05/02/2014 11:42:00 PM	5.13	46.1
05/02/2014 11:43:00 PM	6.28	41.5
05/02/2014 11:44:00 PM	5.41	44.5
05/02/2014 11:45:00 PM	5.92	44.3
05/02/2014 11:46:00 PM	5.89	46.1
05/02/2014 11:47:00 PM	6.43	43.2
05/02/2014 11:48:00 PM	5.94	47.0
05/02/2014 11:50:00 PM	7.01	45.6
05/02/2014 11:51:00 PM	6.44	45.4
05/02/2014 11:52:00 PM	6.19	45.9
05/02/2014 11:53:00 PM	6.31	44.9
05/02/2014 11:54:00 PM	6.42	45.2
05/02/2014 11:55:00 PM	5.60	44.3
05/02/2014 11:56:00 PM	6.36	42.0
05/02/2014 11:57:00 PM	5.45	43.0
05/02/2014 11:58:00 PM	5.37	46.7
05/02/2014 11:59:00 PM	5.44	43.2
05/03/2014 12:00:00 AM	6.54	44.4
05/03/2014 12:01:00 AM	5.91	40.7
05/03/2014 12:02:00 AM	5.08	43.8
05/03/2014 12:03:00 AM	5.52	41.5
05/03/2014 12:04:00 AM	5.50	42.2
05/03/2014 12:05:00 AM	5.21	43.5
05/03/2014 12:06:00 AM	5.64	41.6
05/03/2014 12:07:00 AM	5.31	42.4
05/03/2014 12:08:00 AM	5.46	45.6
05/03/2014 12:09:00 AM	5.84	44.3
05/03/2014 12:10:00 AM	6.36	45.2
05/03/2014 12:11:00 AM	6.16	43.8
05/03/2014 12:12:00 AM	5.93	46.1
05/03/2014 12:13:00 AM	6.01	44.9
05/03/2014 12:14:00 AM	6.14	41.8
05/03/2014 12:15:00 AM	5.02	45.4
05/03/2014 12:16:00 AM	5.70	45.3
05/03/2014 12:17:00 AM	6.37	47.3
05/03/2014 12:18:00 AM	6.48	44.9
05/03/2014 12:19:00 AM	6.86	39.8
05/03/2014 12:20:00 AM	4.87	42.0
05/03/2014 12:21:00 AM	5.34	47.4
05/03/2014 12:22:00 AM	6.40	43.8
05/03/2014 12:23:00 AM	6.25	46.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/03/2014 12:24:00 AM	5.96	43.7
05/03/2014 12:25:00 AM	6.38	43.7
05/03/2014 12:26:00 AM	5.61	43.6
05/03/2014 12:27:00 AM	6.13	41.5
05/03/2014 12:28:00 AM	5.17	42.2
05/03/2014 12:29:00 AM	5.27	43.1
05/03/2014 12:30:00 AM	5.76	41.6
05/03/2014 12:31:00 AM	5.48	41.5
05/03/2014 12:32:00 AM	5.02	43.1
05/03/2014 12:33:00 AM	5.68	41.9
05/03/2014 12:34:00 AM	5.57	45.3
05/03/2014 12:35:00 AM	5.87	42.2
05/03/2014 12:36:00 AM	5.86	41.8
05/03/2014 12:37:00 AM	4.89	44.2
05/03/2014 12:38:00 AM	5.84	45.8
05/03/2014 12:39:00 AM	5.90	41.5
05/03/2014 12:40:00 AM	5.52	43.7
05/03/2014 12:41:00 AM	5.71	43.8
05/03/2014 12:42:00 AM	5.35	41.9
05/03/2014 12:43:00 AM	5.73	44.8
05/03/2014 12:44:00 AM	5.58	43.5
05/03/2014 12:45:00 AM	5.51	40.4
05/03/2014 12:46:00 AM	5.17	42.6
05/03/2014 12:48:00 AM	5.76	42.7
05/03/2014 12:49:00 AM	5.69	41.6
05/03/2014 12:50:00 AM	5.52	39.7
05/03/2014 12:51:00 AM	4.10	40.1
05/03/2014 12:52:00 AM	4.46	39.5
05/03/2014 12:53:00 AM	4.77	42.1
05/03/2014 12:54:00 AM	4.81	41.3
05/03/2014 12:55:00 AM	5.54	42.2
05/03/2014 12:56:00 AM	5.07	44.3
05/03/2014 12:57:00 AM	5.90	45.5
05/03/2014 12:58:00 AM	6.45	43.3
05/03/2014 12:59:00 AM	5.86	41.3
05/03/2014 1:00:00 AM	5.14	45.2
05/03/2014 1:01:00 AM	5.53	43.3
05/03/2014 1:02:00 AM	5.84	43.4
05/03/2014 1:03:00 AM	5.20	43.9
05/03/2014 1:04:00 AM	5.05	46.3
05/03/2014 1:05:00 AM	5.39	47.4
05/03/2014 1:06:00 AM	6.74	45.8
05/03/2014 1:07:00 AM	6.15	41.9
05/03/2014 1:08:00 AM	5.86	42.6
05/03/2014 1:09:00 AM	5.40	43.5
05/03/2014 1:10:00 AM	5.28	44.1
05/03/2014 1:11:00 AM	5.85	42.8
05/03/2014 1:12:00 AM	5.39	47.8
05/03/2014 1:13:00 AM	5.82	44.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/03/2014 1:14:00 AM	5.76	39.5
05/03/2014 1:15:00 AM	4.70	42.4
05/03/2014 1:16:00 AM	4.87	42.2
05/03/2014 1:17:00 AM	5.66	47.3
05/03/2014 1:18:00 AM	6.35	42.0
05/03/2014 1:19:00 AM	5.76	42.3
05/03/2014 1:20:00 AM	5.87	39.6
05/03/2014 1:21:00 AM	4.80	40.6
05/03/2014 1:22:00 AM	4.96	39.4
05/03/2014 1:23:00 AM	4.92	40.4
05/03/2014 1:24:00 AM	4.66	42.6
05/03/2014 1:25:00 AM	5.08	41.0
05/03/2014 1:26:00 AM	5.00	40.2
05/03/2014 1:27:00 AM	4.69	40.5
05/03/2014 1:28:00 AM	4.21	45.1
05/03/2014 1:29:00 AM	5.34	43.2
05/03/2014 1:30:00 AM	5.76	42.7
05/03/2014 1:31:00 AM	5.36	43.6
05/03/2014 1:32:00 AM	5.66	42.0
05/03/2014 1:33:00 AM	5.69	38.7
05/03/2014 1:34:00 AM	5.02	38.6
05/03/2014 1:35:00 AM	4.13	39.9
05/03/2014 1:36:00 AM	4.71	42.0
05/03/2014 1:37:00 AM	5.18	41.2
05/03/2014 1:38:00 AM	4.75	39.4
05/03/2014 1:39:00 AM	4.57	41.0
05/03/2014 1:40:00 AM	5.13	38.9
05/03/2014 1:41:00 AM	4.83	40.3
05/03/2014 1:42:00 AM	4.86	41.2
05/03/2014 1:43:00 AM	4.36	41.1
05/03/2014 1:44:00 AM	5.23	38.3
05/03/2014 1:45:00 AM	4.66	38.1
05/03/2014 1:46:00 AM	4.39	39.5
05/03/2014 1:47:00 AM	5.06	38.6
05/03/2014 1:48:00 AM	4.51	39.4
05/03/2014 1:49:00 AM	4.30	40.9
05/03/2014 1:50:00 AM	5.18	39.9
05/03/2014 1:51:00 AM	5.11	39.9
05/03/2014 1:52:00 AM	4.51	39.4
05/03/2014 1:53:00 AM	5.12	38.0
05/03/2014 1:54:00 AM	4.31	38.5
05/03/2014 1:55:00 AM	4.08	37.9
05/03/2014 1:56:00 AM	4.35	39.2
05/03/2014 1:57:00 AM	3.84	42.0
05/03/2014 1:58:00 AM	4.80	41.3
05/03/2014 1:59:00 AM	5.00	40.7
05/03/2014 2:00:00 AM	5.00	41.1
05/03/2014 2:01:00 AM	5.05	37.8
05/03/2014 2:02:00 AM	4.60	42.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/03/2014 2:03:00 AM	4.69	40.2
05/03/2014 2:04:00 AM	4.74	41.1
05/03/2014 2:05:00 AM	5.30	38.4
05/03/2014 2:06:00 AM	4.94	42.1
05/03/2014 2:07:00 AM	4.29	42.1
05/03/2014 2:08:00 AM	4.85	39.4
05/03/2014 2:09:00 AM	4.31	40.8
05/03/2014 2:10:00 AM	4.59	41.8
05/03/2014 2:11:00 AM	4.88	40.5
05/03/2014 2:12:00 AM	4.42	38.1
05/03/2014 2:13:00 AM	4.21	44.9
05/03/2014 2:14:00 AM	4.20	39.8
05/03/2014 2:15:00 AM	4.58	38.7
05/03/2014 2:16:00 AM	4.73	38.1
05/03/2014 2:17:00 AM	4.42	39.2
05/03/2014 2:18:00 AM	4.85	37.6
05/03/2014 2:19:00 AM	4.45	38.4
05/03/2014 2:20:00 AM	4.61	37.4
05/03/2014 2:21:00 AM	4.24	42.2
05/03/2014 2:22:00 AM	4.90	39.5
05/03/2014 2:23:00 AM	5.38	42.2
05/03/2014 2:24:00 AM	4.95	42.5
05/03/2014 2:25:00 AM	5.66	42.2
05/03/2014 2:26:00 AM	5.84	40.9
05/03/2014 2:27:00 AM	5.62	38.9
05/03/2014 2:28:00 AM	5.07	38.2
05/03/2014 2:29:00 AM	4.79	38.6
05/03/2014 2:30:00 AM	4.66	38.7
05/03/2014 2:31:00 AM	4.62	41.7
05/03/2014 2:32:00 AM	5.27	40.9
05/03/2014 2:33:00 AM	5.44	39.7
05/03/2014 2:34:00 AM	4.67	37.9
05/03/2014 2:35:00 AM	4.02	39.7
05/03/2014 2:36:00 AM	4.64	38.2
05/03/2014 2:37:00 AM	4.70	37.8
05/03/2014 2:38:00 AM	4.79	38.9
05/03/2014 2:39:00 AM	4.96	39.3
05/03/2014 2:40:00 AM	4.84	38.0
05/03/2014 2:41:00 AM	4.72	40.6
05/03/2014 2:42:00 AM	5.00	40.2
05/03/2014 2:43:00 AM	5.28	44.0
05/03/2014 2:44:00 AM	5.11	39.9
05/03/2014 2:45:00 AM	4.77	40.4
05/03/2014 2:46:00 AM	5.25	39.4
05/03/2014 2:47:00 AM	4.43	40.9
05/03/2014 2:48:00 AM	5.39	42.7
05/03/2014 2:49:00 AM	4.81	40.2
05/03/2014 2:50:00 AM	4.43	38.6
05/03/2014 2:51:00 AM	4.29	35.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/03/2014 2:52:00 AM	4.62	36.7
05/03/2014 2:53:00 AM	4.05	37.1
05/03/2014 2:54:00 AM	4.07	37.5
05/03/2014 2:55:00 AM	4.12	40.9
05/03/2014 2:56:00 AM	3.69	36.9
05/03/2014 2:58:00 AM	3.97	36.4
05/03/2014 2:59:00 AM	4.18	35.0
05/03/2014 3:00:00 AM	4.16	34.4
05/03/2014 3:01:00 AM	3.82	35.7
05/03/2014 3:02:00 AM	4.06	34.4
05/03/2014 3:03:00 AM	3.82	35.2
05/03/2014 3:04:00 AM	3.88	35.1
05/03/2014 3:05:00 AM	3.81	34.7
05/03/2014 3:06:00 AM	3.86	36.9
05/03/2014 3:07:00 AM	3.85	37.0
05/03/2014 3:08:00 AM	3.63	38.8
05/03/2014 3:09:00 AM	3.95	40.0
05/03/2014 3:10:00 AM	3.69	36.5
05/03/2014 3:11:00 AM	4.23	38.5
05/03/2014 3:12:00 AM	4.26	35.7
05/03/2014 3:13:00 AM	3.70	35.1
05/03/2014 3:14:00 AM	3.85	35.1
05/03/2014 3:15:00 AM	3.67	35.5
05/03/2014 3:16:00 AM	4.00	35.8
05/03/2014 3:17:00 AM	4.08	35.2
05/03/2014 3:18:00 AM	3.76	36.8
05/03/2014 3:19:00 AM	4.11	35.9
05/03/2014 3:20:00 AM	4.11	34.8
05/03/2014 3:21:00 AM	3.78	37.1
05/03/2014 3:22:00 AM	3.66	36.8
05/03/2014 3:23:00 AM	4.17	35.4
05/03/2014 3:24:00 AM	3.70	35.1
05/03/2014 3:27:00 AM	3.77	35.6
05/03/2014 3:28:00 AM	3.92	35.8
05/03/2014 3:29:00 AM	3.94	35.0
05/03/2014 3:31:00 AM	3.60	35.3
05/03/2014 3:32:00 AM	3.87	34.2
05/03/2014 3:33:00 AM	3.83	34.4
05/03/2014 3:34:00 AM	3.58	34.3
05/03/2014 3:35:00 AM	3.54	36.4
05/03/2014 3:36:00 AM	3.81	35.3
05/03/2014 3:37:00 AM	3.95	36.3
05/03/2014 3:38:00 AM	4.05	35.4
05/03/2014 3:39:00 AM	3.89	35.3
05/03/2014 3:40:00 AM	3.75	44.8
05/03/2014 3:41:00 AM	3.59	46.3
05/03/2014 3:42:00 AM	3.73	40.3
05/03/2014 3:43:00 AM	3.72	42.2
05/03/2014 3:45:00 AM	3.66	34.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/03/2014 3:47:00 AM	4.17	36.4
05/03/2014 3:48:00 AM	3.92	36.8
05/03/2014 3:49:00 AM	4.03	37.9
05/03/2014 3:50:00 AM	4.17	39.8
05/03/2014 3:52:00 AM	3.85	36.6
05/03/2014 3:53:00 AM	3.85	37.4
05/03/2014 3:54:00 AM	4.22	40.0
05/03/2014 3:55:00 AM	3.53	43.7
05/03/2014 3:56:00 AM	3.78	38.0
05/03/2014 3:57:00 AM	4.04	40.6
05/03/2014 3:58:00 AM	4.00	36.8
05/03/2014 3:59:00 AM	3.69	36.7
05/03/2014 4:00:00 AM	3.92	37.3
05/03/2014 4:01:00 AM	3.87	37.6
05/03/2014 4:02:00 AM	4.21	37.9
05/03/2014 4:03:00 AM	4.14	38.7
05/03/2014 4:04:00 AM	4.26	38.7
05/03/2014 4:06:00 AM	5.05	41.4
05/03/2014 4:08:00 AM	5.48	41.2
05/03/2014 4:10:00 AM	5.67	42.2
05/03/2014 4:11:00 AM	5.58	41.7
05/03/2014 4:12:00 AM	5.49	39.2
05/03/2014 4:13:00 AM	4.79	40.1
05/03/2014 4:14:00 AM	4.49	40.4
05/03/2014 4:15:00 AM	5.10	40.6
05/03/2014 4:16:00 AM	5.43	41.7
05/03/2014 4:17:00 AM	5.13	40.8
05/03/2014 4:18:00 AM	5.24	40.2
05/03/2014 4:19:00 AM	4.99	40.5
05/03/2014 4:20:00 AM	4.36	43.0
05/03/2014 4:21:00 AM	4.52	45.6
05/03/2014 4:22:00 AM	4.37	38.7
05/03/2014 4:23:00 AM	4.04	36.0
05/03/2014 4:24:00 AM	4.08	36.7
05/03/2014 4:25:00 AM	3.69	43.3
05/03/2014 4:27:00 AM	4.35	37.1
05/03/2014 4:28:00 AM	4.17	41.0
05/03/2014 4:29:00 AM	3.65	39.4
05/03/2014 4:30:00 AM	4.20	36.8
05/03/2014 4:31:00 AM	4.03	37.9
05/03/2014 4:32:00 AM	4.17	39.2
05/03/2014 4:38:00 AM	5.02	38.5
05/03/2014 4:39:00 AM	4.87	41.8
05/03/2014 4:40:00 AM	5.16	38.7
05/03/2014 4:41:00 AM	4.84	40.0
05/03/2014 4:42:00 AM	4.94	42.1
05/03/2014 4:43:00 AM	5.33	42.5
05/03/2014 4:44:00 AM	5.42	39.1
05/03/2014 4:45:00 AM	5.03	40.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/03/2014 4:46:00 AM	4.66	39.0
05/03/2014 4:47:00 AM	5.05	39.9
05/03/2014 4:48:00 AM	4.53	42.0
05/03/2014 4:49:00 AM	5.32	38.6
05/03/2014 4:50:00 AM	4.60	39.5
05/03/2014 4:51:00 AM	4.65	44.1
05/03/2014 4:52:00 AM	4.73	46.8
05/03/2014 4:53:00 AM	5.37	46.8
05/03/2014 4:54:00 AM	4.75	40.2
05/03/2014 4:55:00 AM	4.61	40.9
05/03/2014 4:56:00 AM	5.09	42.2
05/03/2014 4:57:00 AM	5.56	41.9
05/03/2014 4:58:00 AM	5.11	44.9
05/03/2014 4:59:00 AM	4.75	41.4
05/07/2014 12:18:00 AM	3.51	31.2
05/07/2014 12:19:00 AM	3.65	31.5
05/07/2014 12:29:00 AM	3.56	33.8
05/07/2014 12:30:00 AM	3.69	37.3
05/07/2014 12:31:00 AM	3.50	36.5
05/07/2014 12:32:00 AM	3.58	42.9
05/07/2014 12:33:00 AM	3.59	36.3
05/07/2014 12:34:00 AM	3.64	33.5
05/07/2014 12:36:00 AM	3.74	34.4
05/07/2014 12:37:00 AM	4.09	33.9
05/07/2014 12:38:00 AM	4.27	34.1
05/07/2014 12:39:00 AM	3.60	33.9
05/07/2014 12:40:00 AM	4.09	34.0
05/07/2014 12:41:00 AM	4.22	34.1
05/07/2014 12:42:00 AM	3.95	34.3
05/07/2014 12:43:00 AM	3.95	43.3
05/07/2014 12:44:00 AM	3.91	37.5
05/07/2014 12:45:00 AM	4.25	35.5
05/07/2014 12:46:00 AM	3.60	34.7
05/07/2014 12:47:00 AM	4.55	34.8
05/07/2014 12:48:00 AM	4.30	35.2
05/07/2014 12:49:00 AM	4.50	36.1
05/07/2014 12:50:00 AM	4.57	35.5
05/07/2014 12:51:00 AM	5.01	41.9
05/07/2014 12:52:00 AM	4.48	48.0
05/07/2014 12:53:00 AM	4.98	43.3
05/07/2014 12:54:00 AM	4.57	36.4
05/07/2014 12:55:00 AM	4.88	43.9
05/07/2014 12:56:00 AM	4.67	37.2
05/07/2014 12:57:00 AM	4.80	37.7
05/07/2014 12:58:00 AM	4.42	39.6
05/07/2014 12:59:00 AM	5.46	39.3
05/07/2014 1:00:00 AM	5.79	39.3
05/07/2014 1:01:00 AM	5.88	38.3
05/07/2014 1:02:00 AM	5.17	37.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/07/2014 1:03:00 AM	4.85	38.4
05/07/2014 1:04:00 AM	5.00	38.3
05/07/2014 1:05:00 AM	5.38	38.4
05/07/2014 1:06:00 AM	5.47	38.4
05/07/2014 1:07:00 AM	5.50	37.8
05/07/2014 1:08:00 AM	5.35	39.4
05/07/2014 1:09:00 AM	4.78	41.0
05/07/2014 1:10:00 AM	5.47	38.5
05/07/2014 1:11:00 AM	4.97	38.4
05/07/2014 1:12:00 AM	5.04	38.5
05/07/2014 1:13:00 AM	5.30	38.3
05/07/2014 1:14:00 AM	5.34	38.2
05/07/2014 1:15:00 AM	5.16	40.6
05/07/2014 1:16:00 AM	5.38	38.4
05/07/2014 1:17:00 AM	5.06	37.7
05/07/2014 1:18:00 AM	4.78	38.0
05/07/2014 1:19:00 AM	4.92	37.6
05/07/2014 1:20:00 AM	5.05	37.2
05/07/2014 1:21:00 AM	4.35	38.1
05/07/2014 1:22:00 AM	4.53	38.1
05/07/2014 1:23:00 AM	4.49	37.9
05/07/2014 1:24:00 AM	4.38	37.8
05/07/2014 1:25:00 AM	4.74	38.5
05/07/2014 1:26:00 AM	5.18	38.4
05/07/2014 1:27:00 AM	4.87	38.0
05/07/2014 1:28:00 AM	4.90	38.1
05/07/2014 1:29:00 AM	4.99	38.5
05/07/2014 1:30:00 AM	4.84	38.5
05/07/2014 1:31:00 AM	4.42	40.5
05/07/2014 1:32:00 AM	4.76	39.8
05/07/2014 1:33:00 AM	4.62	38.7
05/07/2014 1:34:00 AM	4.70	38.1
05/07/2014 1:35:00 AM	4.62	39.1
05/07/2014 1:36:00 AM	4.70	39.5
05/07/2014 1:37:00 AM	5.25	39.3
05/07/2014 1:38:00 AM	5.12	40.3
05/07/2014 1:39:00 AM	5.37	38.9
05/07/2014 1:40:00 AM	4.90	39.5
05/07/2014 1:41:00 AM	4.88	38.7
05/07/2014 1:42:00 AM	4.96	39.5
05/07/2014 1:43:00 AM	4.99	40.3
05/07/2014 1:44:00 AM	5.11	38.9
05/07/2014 1:45:00 AM	4.35	36.6
05/07/2014 1:46:00 AM	4.37	36.5
05/07/2014 1:47:00 AM	3.92	35.5
05/07/2014 1:48:00 AM	4.01	35.6
05/07/2014 1:49:00 AM	3.87	35.1
05/07/2014 1:50:00 AM	3.62	36.6
05/07/2014 1:51:00 AM	3.94	36.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/07/2014 1:52:00 AM	4.45	37.5
05/07/2014 1:53:00 AM	4.24	37.5
05/07/2014 1:54:00 AM	4.52	38.6
05/07/2014 1:55:00 AM	4.62	38.8
05/07/2014 1:56:00 AM	5.02	39.1
05/07/2014 1:57:00 AM	4.79	38.9
05/07/2014 1:58:00 AM	4.30	39.1
05/07/2014 1:59:00 AM	4.38	38.9
05/07/2014 2:00:00 AM	4.60	39.4
05/07/2014 2:01:00 AM	4.88	39.2
05/07/2014 2:02:00 AM	4.70	40.2
05/07/2014 2:03:00 AM	4.77	41.5
05/07/2014 2:04:00 AM	5.19	40.7
05/07/2014 2:05:00 AM	5.42	41.3
05/07/2014 2:06:00 AM	5.25	40.5
05/07/2014 2:07:00 AM	5.48	40.3
05/07/2014 2:08:00 AM	5.51	39.8
05/07/2014 2:09:00 AM	5.14	40.4
05/07/2014 2:10:00 AM	5.11	40.6
05/07/2014 2:11:00 AM	5.47	40.6
05/07/2014 2:12:00 AM	5.32	40.4
05/07/2014 2:13:00 AM	5.14	40.5
05/07/2014 2:14:00 AM	5.47	40.6
05/07/2014 2:15:00 AM	5.20	40.8
05/07/2014 2:16:00 AM	5.24	40.8
05/07/2014 2:17:00 AM	5.04	41.2
05/07/2014 2:18:00 AM	5.21	40.7
05/07/2014 2:19:00 AM	5.24	40.1
05/07/2014 2:20:00 AM	4.97	40.8
05/07/2014 2:21:00 AM	4.94	40.7
05/07/2014 2:22:00 AM	5.03	41.9
05/07/2014 2:23:00 AM	5.13	43.8
05/07/2014 2:24:00 AM	4.71	40.5
05/07/2014 2:25:00 AM	4.73	40.5
05/07/2014 2:26:00 AM	4.75	40.7
05/07/2014 2:27:00 AM	4.97	40.3
05/07/2014 2:28:00 AM	4.97	40.2
05/07/2014 2:29:00 AM	4.82	46.8
05/07/2014 2:30:00 AM	4.49	40.1
05/07/2014 2:31:00 AM	4.92	40.9
05/07/2014 2:32:00 AM	4.78	41.4
05/07/2014 2:33:00 AM	4.91	40.9
05/07/2014 2:34:00 AM	5.09	40.5
05/07/2014 2:35:00 AM	5.40	41.0
05/07/2014 2:36:00 AM	5.05	40.3
05/07/2014 2:37:00 AM	5.06	40.7
05/07/2014 2:38:00 AM	5.12	41.1
05/07/2014 2:39:00 AM	5.17	41.2
05/07/2014 2:40:00 AM	5.43	41.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/07/2014 2:41:00 AM	5.26	48.1
05/07/2014 2:42:00 AM	5.84	41.3
05/07/2014 2:43:00 AM	5.58	42.8
05/07/2014 2:44:00 AM	5.52	41.5
05/07/2014 2:45:00 AM	5.38	45.0
05/07/2014 2:46:00 AM	6.02	40.3
05/07/2014 2:47:00 AM	5.57	39.8
05/07/2014 2:48:00 AM	4.93	40.6
05/07/2014 2:49:00 AM	4.70	40.5
05/07/2014 2:50:00 AM	5.20	41.1
05/07/2014 2:51:00 AM	5.19	40.5
05/07/2014 2:52:00 AM	5.13	40.4
05/07/2014 2:53:00 AM	4.88	40.2
05/07/2014 2:54:00 AM	5.03	40.2
05/07/2014 2:55:00 AM	4.98	41.0
05/07/2014 2:56:00 AM	4.87	40.1
05/07/2014 2:57:00 AM	4.99	40.3
05/07/2014 2:58:00 AM	4.94	40.5
05/07/2014 2:59:00 AM	4.79	40.3
05/07/2014 3:00:00 AM	4.87	40.0
05/07/2014 3:01:00 AM	5.25	39.2
05/07/2014 3:02:00 AM	5.13	39.1
05/07/2014 3:03:00 AM	5.29	39.5
05/07/2014 3:04:00 AM	5.02	40.5
05/07/2014 3:05:00 AM	5.27	40.6
05/07/2014 3:06:00 AM	5.32	41.7
05/07/2014 3:07:00 AM	5.65	40.6
05/07/2014 3:08:00 AM	5.72	40.3
05/07/2014 3:09:00 AM	4.90	40.3
05/07/2014 3:10:00 AM	4.64	40.6
05/07/2014 3:11:00 AM	4.88	40.0
05/07/2014 3:12:00 AM	4.80	40.6
05/07/2014 3:13:00 AM	5.11	42.1
05/07/2014 3:14:00 AM	4.99	40.4
05/07/2014 3:15:00 AM	4.75	42.5
05/07/2014 3:16:00 AM	4.74	42.0
05/07/2014 3:17:00 AM	4.78	40.4
05/07/2014 3:18:00 AM	4.81	39.9
05/07/2014 3:19:00 AM	4.99	40.2
05/07/2014 3:20:00 AM	5.00	39.2
05/07/2014 3:21:00 AM	4.54	45.5
05/07/2014 3:22:00 AM	4.93	40.5
05/07/2014 3:23:00 AM	4.94	39.4
05/07/2014 3:24:00 AM	4.71	39.8
05/07/2014 3:25:00 AM	5.32	39.4
05/07/2014 3:26:00 AM	5.31	39.1
05/07/2014 3:27:00 AM	4.75	38.6
05/07/2014 3:28:00 AM	4.66	38.8
05/07/2014 3:29:00 AM	4.67	38.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/07/2014 3:30:00 AM	4.42	39.2
05/07/2014 3:31:00 AM	4.58	39.7
05/07/2014 3:32:00 AM	4.52	47.2
05/07/2014 3:33:00 AM	4.63	40.2
05/07/2014 3:34:00 AM	4.77	39.8
05/07/2014 3:35:00 AM	5.09	40.7
05/07/2014 3:36:00 AM	5.22	40.8
05/07/2014 3:37:00 AM	6.06	40.2
05/07/2014 3:38:00 AM	5.40	40.0
05/07/2014 3:39:00 AM	5.11	40.1
05/07/2014 3:40:00 AM	5.35	40.0
05/07/2014 3:41:00 AM	5.14	40.6
05/07/2014 3:42:00 AM	5.71	40.2
05/07/2014 3:43:00 AM	5.16	40.4
05/07/2014 3:44:00 AM	5.36	41.0
05/07/2014 3:45:00 AM	5.80	40.6
05/07/2014 3:46:00 AM	4.99	40.3
05/07/2014 3:47:00 AM	5.31	41.0
05/07/2014 3:48:00 AM	5.30	41.0
05/07/2014 3:49:00 AM	5.60	44.5
05/07/2014 3:50:00 AM	5.12	40.2
05/07/2014 3:51:00 AM	4.54	40.2
05/07/2014 3:52:00 AM	5.45	41.0
05/07/2014 3:53:00 AM	5.05	40.0
05/07/2014 3:54:00 AM	4.60	40.0
05/07/2014 3:55:00 AM	4.42	40.3
05/07/2014 3:56:00 AM	4.22	38.7
05/07/2014 3:57:00 AM	4.07	39.2
05/07/2014 3:58:00 AM	4.01	39.3
05/07/2014 3:59:00 AM	4.50	38.8
05/07/2014 4:00:00 AM	3.88	38.3
05/07/2014 4:01:00 AM	4.44	38.6
05/07/2014 4:02:00 AM	4.41	39.3
05/07/2014 4:03:00 AM	4.52	41.6
05/07/2014 4:04:00 AM	4.53	38.4
05/07/2014 4:05:00 AM	4.08	39.4
05/07/2014 4:06:00 AM	4.82	39.8
05/07/2014 4:07:00 AM	4.67	48.1
05/07/2014 4:08:00 AM	4.72	39.9
05/07/2014 4:09:00 AM	4.28	39.4
05/07/2014 4:10:00 AM	4.35	40.0
05/07/2014 4:11:00 AM	4.47	40.2
05/07/2014 4:12:00 AM	4.58	38.9
05/07/2014 4:13:00 AM	4.63	39.9
05/07/2014 4:14:00 AM	4.51	39.1
05/07/2014 4:15:00 AM	4.60	39.4
05/07/2014 4:16:00 AM	4.40	38.4
05/07/2014 4:17:00 AM	4.19	38.2
05/07/2014 4:18:00 AM	4.09	38.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/07/2014 4:19:00 AM	3.96	37.7
05/07/2014 4:20:00 AM	3.50	37.6
05/07/2014 4:22:00 AM	3.92	36.3
05/07/2014 4:23:00 AM	4.11	36.9
05/07/2014 4:24:00 AM	3.87	36.4
05/07/2014 4:26:00 AM	4.08	39.1
05/07/2014 4:27:00 AM	4.14	38.8
05/07/2014 4:28:00 AM	3.99	49.3
05/07/2014 4:29:00 AM	3.72	37.0
05/07/2014 4:35:00 AM	3.58	47.6
05/07/2014 4:59:00 AM	3.58	37.9
05/07/2014 10:00:00 PM	4.48	40.2
05/07/2014 10:01:00 PM	4.87	43.4
05/07/2014 10:02:00 PM	5.39	41.8
05/07/2014 10:03:00 PM	5.63	46.9
05/07/2014 10:04:00 PM	5.05	40.4
05/07/2014 10:05:00 PM	5.08	40.1
05/07/2014 10:06:00 PM	4.78	39.8
05/07/2014 10:07:00 PM	4.23	40.1
05/07/2014 10:08:00 PM	4.20	45.7
05/07/2014 10:09:00 PM	4.12	41.7
05/07/2014 10:10:00 PM	4.51	39.9
05/07/2014 10:11:00 PM	4.64	42.8
05/07/2014 10:12:00 PM	4.76	46.3
05/07/2014 10:13:00 PM	4.95	48.3
05/07/2014 10:14:00 PM	5.46	44.1
05/07/2014 10:15:00 PM	5.76	42.8
05/07/2014 10:16:00 PM	5.39	47.6
05/07/2014 10:17:00 PM	5.52	50.0
05/07/2014 10:18:00 PM	6.45	43.0
05/07/2014 10:19:00 PM	6.24	42.4
05/07/2014 10:20:00 PM	5.47	41.7
05/07/2014 10:21:00 PM	5.12	44.8
05/07/2014 10:22:00 PM	4.89	43.8
05/07/2014 10:23:00 PM	5.22	40.0
05/07/2014 10:24:00 PM	4.78	41.9
05/07/2014 10:25:00 PM	5.00	41.6
05/07/2014 10:26:00 PM	5.50	42.0
05/07/2014 10:27:00 PM	5.31	42.5
05/07/2014 10:28:00 PM	5.53	41.6
05/07/2014 10:29:00 PM	5.53	40.5
05/07/2014 10:30:00 PM	5.21	40.9
05/07/2014 10:31:00 PM	4.94	41.6
05/07/2014 10:32:00 PM	5.27	40.6
05/07/2014 10:33:00 PM	4.84	41.9
05/07/2014 10:34:00 PM	5.78	42.6
05/07/2014 10:35:00 PM	5.62	44.8
05/07/2014 10:36:00 PM	5.81	42.7
05/07/2014 10:37:00 PM	5.75	42.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/07/2014 10:38:00 PM	5.95	41.6
05/07/2014 10:39:00 PM	5.68	40.7
05/07/2014 10:40:00 PM	5.22	41.5
05/07/2014 10:41:00 PM	4.82	41.3
05/07/2014 10:42:00 PM	5.59	41.4
05/07/2014 10:43:00 PM	4.68	40.9
05/07/2014 10:44:00 PM	5.04	40.8
05/07/2014 10:45:00 PM	5.28	41.0
05/07/2014 10:46:00 PM	5.21	42.0
05/07/2014 10:47:00 PM	4.98	44.3
05/07/2014 10:48:00 PM	5.41	46.9
05/07/2014 10:49:00 PM	4.67	41.4
05/07/2014 10:50:00 PM	4.45	40.9
05/07/2014 10:51:00 PM	5.03	41.0
05/07/2014 10:52:00 PM	4.72	41.5
05/07/2014 10:53:00 PM	4.99	42.4
05/07/2014 10:54:00 PM	5.77	42.1
05/07/2014 10:55:00 PM	5.38	46.5
05/07/2014 10:56:00 PM	5.40	54.5
05/07/2014 10:57:00 PM	5.99	53.6
05/07/2014 10:58:00 PM	5.20	42.1
05/07/2014 10:59:00 PM	5.30	41.3
05/07/2014 11:00:00 PM	4.89	46.8
05/07/2014 11:01:00 PM	4.22	41.6
05/07/2014 11:02:00 PM	4.96	41.4
05/07/2014 11:03:00 PM	4.28	41.1
05/07/2014 11:04:00 PM	4.38	41.6
05/07/2014 11:05:00 PM	4.04	44.2
05/07/2014 11:06:00 PM	4.26	41.9
05/07/2014 11:07:00 PM	4.87	41.4
05/07/2014 11:08:00 PM	4.93	44.8
05/07/2014 11:09:00 PM	4.77	41.7
05/07/2014 11:10:00 PM	4.67	41.4
05/07/2014 11:11:00 PM	4.76	49.3
05/07/2014 11:12:00 PM	4.54	41.6
05/07/2014 11:13:00 PM	4.64	40.7
05/07/2014 11:14:00 PM	4.91	44.0
05/07/2014 11:15:00 PM	5.23	49.3
05/07/2014 11:16:00 PM	5.68	41.2
05/07/2014 11:17:00 PM	5.59	44.7
05/07/2014 11:18:00 PM	5.66	48.7
05/07/2014 11:19:00 PM	5.93	46.7
05/07/2014 11:20:00 PM	6.12	42.1
05/07/2014 11:21:00 PM	5.71	42.8
05/07/2014 11:22:00 PM	5.80	41.3
05/07/2014 11:23:00 PM	5.31	41.1
05/07/2014 11:24:00 PM	5.07	41.2
05/07/2014 11:25:00 PM	5.23	42.3
05/07/2014 11:26:00 PM	5.70	41.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/07/2014 11:27:00 PM	5.40	45.8
05/07/2014 11:28:00 PM	4.99	43.9
05/07/2014 11:29:00 PM	5.03	40.0
05/07/2014 11:30:00 PM	4.86	40.3
05/07/2014 11:31:00 PM	4.96	39.3
05/07/2014 11:32:00 PM	4.77	39.0
05/07/2014 11:33:00 PM	5.09	38.8
05/07/2014 11:34:00 PM	4.86	37.8
05/07/2014 11:35:00 PM	4.61	39.3
05/07/2014 11:36:00 PM	4.88	38.3
05/07/2014 11:37:00 PM	4.71	37.9
05/07/2014 11:38:00 PM	4.71	37.5
05/07/2014 11:39:00 PM	4.63	37.5
05/07/2014 11:40:00 PM	4.35	41.3
05/07/2014 11:41:00 PM	4.52	42.7
05/07/2014 11:42:00 PM	4.26	38.4
05/07/2014 11:43:00 PM	4.54	38.0
05/07/2014 11:44:00 PM	5.08	37.6
05/07/2014 11:45:00 PM	4.43	43.0
05/07/2014 11:46:00 PM	4.77	43.8
05/07/2014 11:47:00 PM	4.57	37.2
05/07/2014 11:48:00 PM	4.39	40.8
05/07/2014 11:49:00 PM	3.77	47.6
05/07/2014 11:50:00 PM	4.35	41.6
05/07/2014 11:51:00 PM	4.33	44.6
05/07/2014 11:52:00 PM	4.33	38.8
05/07/2014 11:53:00 PM	4.82	38.6
05/07/2014 11:54:00 PM	4.44	38.5
05/07/2014 11:55:00 PM	4.90	45.5
05/07/2014 11:56:00 PM	4.69	46.1
05/07/2014 11:57:00 PM	4.88	41.9
05/07/2014 11:58:00 PM	4.91	40.4
05/07/2014 11:59:00 PM	4.79	45.3
05/08/2014 12:00:00 AM	4.41	36.9
05/08/2014 12:01:00 AM	4.40	38.7
05/08/2014 12:02:00 AM	3.86	36.3
05/08/2014 12:03:00 AM	3.75	35.7
05/08/2014 12:04:00 AM	3.54	35.5
05/08/2014 12:05:00 AM	3.59	44.6
05/08/2014 12:06:00 AM	3.68	38.1
05/08/2014 12:07:00 AM	3.75	34.6
05/08/2014 12:08:00 AM	3.56	35.0
05/08/2014 12:09:00 AM	3.53	34.1
05/08/2014 12:10:00 AM	3.61	33.7
05/08/2014 12:17:00 AM	3.68	35.0
05/08/2014 12:18:00 AM	3.80	35.3
05/08/2014 12:19:00 AM	3.84	36.1
05/08/2014 12:20:00 AM	3.97	36.2
05/08/2014 12:21:00 AM	4.21	36.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/08/2014 12:22:00 AM	4.45	36.6
05/08/2014 12:23:00 AM	4.45	35.4
05/08/2014 12:36:00 AM	5.32	46.2
05/08/2014 12:37:00 AM	6.34	41.5
05/08/2014 12:38:00 AM	5.23	43.4
05/08/2014 12:39:00 AM	5.43	46.2
05/08/2014 12:41:00 AM	5.50	43.1
05/08/2014 12:42:00 AM	5.94	40.7
05/08/2014 12:43:00 AM	5.05	41.7
05/08/2014 12:44:00 AM	5.66	40.7
05/08/2014 12:45:00 AM	5.78	40.9
05/08/2014 12:46:00 AM	5.40	42.5
05/08/2014 12:47:00 AM	5.97	41.7
05/08/2014 12:48:00 AM	5.76	42.2
05/08/2014 12:49:00 AM	6.19	41.5
05/08/2014 12:50:00 AM	5.80	40.5
05/08/2014 12:51:00 AM	5.49	41.1
05/08/2014 12:52:00 AM	4.90	50.4
05/08/2014 12:53:00 AM	5.42	42.7
05/08/2014 12:54:00 AM	5.61	41.9
05/08/2014 12:55:00 AM	6.32	42.2
05/08/2014 12:56:00 AM	5.98	41.1
05/08/2014 12:57:00 AM	5.79	40.3
05/08/2014 12:58:00 AM	5.85	38.7
05/08/2014 12:59:00 AM	4.79	39.0
05/08/2014 1:00:00 AM	4.84	39.7
05/08/2014 1:01:00 AM	5.21	40.4
05/08/2014 1:02:00 AM	5.38	39.0
05/08/2014 1:03:00 AM	4.95	39.3
05/08/2014 1:04:00 AM	4.95	38.9
05/08/2014 1:05:00 AM	4.92	39.4
05/08/2014 1:06:00 AM	5.09	38.5
05/08/2014 1:07:00 AM	4.78	38.8
05/08/2014 1:08:00 AM	4.42	38.4
05/08/2014 1:09:00 AM	4.54	38.3
05/08/2014 1:10:00 AM	4.40	38.5
05/08/2014 1:11:00 AM	4.53	37.1
05/08/2014 1:12:00 AM	4.28	38.3
05/08/2014 1:13:00 AM	4.52	39.2
05/08/2014 1:14:00 AM	4.60	39.3
05/08/2014 1:15:00 AM	4.99	43.2
05/08/2014 1:16:00 AM	4.16	37.4
05/08/2014 1:18:00 AM	4.47	38.1
05/08/2014 1:19:00 AM	4.83	37.5
05/08/2014 1:20:00 AM	4.28	37.7
05/08/2014 1:21:00 AM	4.23	36.9
05/08/2014 1:22:00 AM	3.95	37.8
05/08/2014 1:43:00 AM	4.45	38.2
05/08/2014 1:44:00 AM	4.50	38.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/08/2014 1:45:00 AM	4.52	37.5
05/08/2014 1:46:00 AM	4.88	37.4
05/08/2014 1:47:00 AM	4.64	36.3
05/08/2014 1:48:00 AM	4.14	38.1
05/08/2014 1:49:00 AM	3.93	40.2
05/08/2014 1:50:00 AM	3.85	39.3
05/08/2014 2:06:00 AM	3.70	34.2
05/08/2014 2:07:00 AM	3.90	34.2
05/08/2014 2:08:00 AM	4.40	34.6
05/08/2014 2:09:00 AM	4.35	33.0
05/08/2014 2:10:00 AM	4.14	33.4
05/08/2014 2:11:00 AM	4.16	34.2
05/08/2014 2:12:00 AM	4.47	34.8
05/08/2014 2:13:00 AM	4.54	35.2
05/08/2014 2:14:00 AM	4.53	34.0
05/08/2014 2:15:00 AM	4.54	31.9
05/08/2014 2:16:00 AM	4.05	33.4
05/08/2014 2:17:00 AM	3.78	32.3
05/08/2014 2:18:00 AM	3.74	39.9
05/08/2014 2:19:00 AM	3.80	43.5
05/08/2014 2:20:00 AM	4.01	41.1
05/08/2014 2:21:00 AM	3.81	37.1
05/08/2014 2:22:00 AM	4.11	42.1
05/08/2014 2:23:00 AM	4.09	32.0
05/08/2014 2:24:00 AM	4.03	38.3
05/08/2014 2:25:00 AM	3.65	33.6
05/08/2014 2:52:00 AM	3.92	32.0
05/08/2014 2:53:00 AM	3.84	39.6
05/08/2014 2:54:00 AM	3.56	34.1
05/08/2014 3:04:00 AM	4.43	37.1
05/08/2014 3:05:00 AM	4.53	37.5
05/08/2014 3:06:00 AM	4.66	37.9
05/08/2014 3:07:00 AM	4.52	36.7
05/08/2014 3:08:00 AM	4.43	35.7
05/08/2014 3:09:00 AM	4.56	37.3
05/08/2014 3:10:00 AM	4.58	36.3
05/08/2014 3:11:00 AM	4.44	35.5
05/08/2014 3:12:00 AM	4.23	35.1
05/08/2014 3:13:00 AM	4.28	34.1
05/08/2014 3:14:00 AM	4.20	36.9
05/08/2014 3:15:00 AM	4.09	40.3
05/08/2014 3:16:00 AM	4.03	34.7
05/08/2014 3:17:00 AM	3.91	35.8
05/08/2014 3:18:00 AM	4.16	35.0
05/08/2014 3:19:00 AM	4.51	35.1
05/08/2014 3:20:00 AM	4.08	31.8
05/08/2014 3:22:00 AM	3.72	32.7
05/08/2014 3:23:00 AM	3.92	35.5
05/08/2014 3:24:00 AM	4.38	36.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/08/2014 3:25:00 AM	4.56	35.5
05/08/2014 3:26:00 AM	4.71	36.7
05/08/2014 3:27:00 AM	4.70	36.1
05/08/2014 3:28:00 AM	4.67	40.5
05/08/2014 3:29:00 AM	4.32	36.2
05/08/2014 3:30:00 AM	4.12	36.8
05/08/2014 3:31:00 AM	4.15	35.7
05/08/2014 3:32:00 AM	3.95	33.8
05/08/2014 3:33:00 AM	3.69	35.2
05/08/2014 3:34:00 AM	3.80	36.6
05/08/2014 3:35:00 AM	3.94	37.9
05/08/2014 3:36:00 AM	4.21	38.3
05/08/2014 3:37:00 AM	4.50	42.2
05/08/2014 3:38:00 AM	4.31	38.9
05/08/2014 3:39:00 AM	4.14	38.1
05/08/2014 3:40:00 AM	4.07	37.9
05/08/2014 3:41:00 AM	3.72	43.8
05/08/2014 3:42:00 AM	3.59	39.3
05/08/2014 3:43:00 AM	3.80	42.6
05/08/2014 3:44:00 AM	4.04	38.2
05/08/2014 3:45:00 AM	4.04	39.6
05/08/2014 3:46:00 AM	4.07	38.6
05/08/2014 3:47:00 AM	3.81	39.0
05/08/2014 3:48:00 AM	3.63	40.5
05/08/2014 3:49:00 AM	3.98	42.8
05/08/2014 3:50:00 AM	4.01	41.7
05/08/2014 3:51:00 AM	4.27	40.1
05/08/2014 3:52:00 AM	4.26	38.6
05/08/2014 3:53:00 AM	4.06	38.7
05/08/2014 3:54:00 AM	3.84	40.0
05/08/2014 3:55:00 AM	3.64	43.5
05/08/2014 3:56:00 AM	3.99	42.0
05/08/2014 3:57:00 AM	4.13	41.9
05/08/2014 3:58:00 AM	4.24	42.8
05/08/2014 3:59:00 AM	4.22	39.2
05/08/2014 4:00:00 AM	4.08	39.6
05/08/2014 4:01:00 AM	4.40	39.8
05/08/2014 4:02:00 AM	4.35	38.8
05/08/2014 4:03:00 AM	3.99	46.7
05/08/2014 4:04:00 AM	3.73	49.2
05/08/2014 4:05:00 AM	3.69	39.4
05/08/2014 4:06:00 AM	3.65	43.8
05/08/2014 4:07:00 AM	3.55	39.1
05/08/2014 4:11:00 AM	3.66	39.0
05/08/2014 4:12:00 AM	3.76	38.3
05/08/2014 4:13:00 AM	3.51	40.0
05/08/2014 4:14:00 AM	3.92	45.2
05/08/2014 4:15:00 AM	3.92	38.6
05/08/2014 4:16:00 AM	3.80	38.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/08/2014 4:17:00 AM	3.83	39.0
05/08/2014 4:18:00 AM	3.72	38.7
05/08/2014 4:19:00 AM	3.72	39.2
05/08/2014 4:20:00 AM	3.87	38.5
05/08/2014 4:21:00 AM	3.70	38.7
05/08/2014 4:22:00 AM	3.90	38.4
05/08/2014 4:23:00 AM	4.09	38.7
05/08/2014 4:24:00 AM	4.21	38.7
05/08/2014 4:25:00 AM	4.06	39.3
05/08/2014 4:26:00 AM	4.03	46.2
05/08/2014 4:27:00 AM	3.92	44.2
05/08/2014 4:28:00 AM	4.02	37.8
05/08/2014 4:29:00 AM	3.83	38.3
05/08/2014 4:37:00 AM	3.57	44.3
05/08/2014 4:38:00 AM	3.60	50.0
05/08/2014 4:39:00 AM	3.81	39.3
05/08/2014 4:40:00 AM	3.91	42.9
05/08/2014 4:41:00 AM	3.91	38.6
05/08/2014 4:42:00 AM	3.91	39.6
05/08/2014 4:43:00 AM	3.87	46.1
05/08/2014 4:44:00 AM	3.74	38.4
05/08/2014 4:45:00 AM	3.75	42.5
05/08/2014 4:46:00 AM	3.69	47.8
05/08/2014 4:47:00 AM	3.54	46.8
05/08/2014 4:59:00 AM	3.59	45.4
05/08/2014 10:55:00 PM	3.58	35.5
05/08/2014 11:36:00 PM	3.67	36.7
05/08/2014 11:37:00 PM	3.80	36.7
05/08/2014 11:38:00 PM	3.94	33.3
05/08/2014 11:39:00 PM	3.80	32.9
05/09/2014 1:16:00 AM	3.66	34.8
05/09/2014 3:12:00 AM	3.70	31.3
05/09/2014 10:00:00 PM	4.14	41.0
05/09/2014 10:01:00 PM	4.11	39.6
05/09/2014 10:02:00 PM	4.24	40.1
05/09/2014 10:03:00 PM	4.57	47.4
05/09/2014 10:04:00 PM	3.94	44.7
05/09/2014 10:05:00 PM	3.78	41.3
05/09/2014 10:06:00 PM	4.09	42.4
05/09/2014 10:07:00 PM	4.52	40.6
05/09/2014 10:08:00 PM	4.54	41.2
05/09/2014 10:09:00 PM	4.43	41.3
05/09/2014 10:10:00 PM	4.21	43.1
05/09/2014 10:11:00 PM	3.99	41.9
05/09/2014 10:12:00 PM	3.84	39.6
05/09/2014 10:13:00 PM	4.31	42.8
05/09/2014 10:17:00 PM	4.51	41.9
05/09/2014 10:22:00 PM	5.50	41.6
05/09/2014 10:23:00 PM	4.71	47.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/09/2014 10:24:00 PM	4.34	44.1
05/09/2014 10:25:00 PM	4.96	42.3
05/09/2014 10:26:00 PM	4.98	41.2
05/09/2014 10:27:00 PM	5.28	45.8
05/09/2014 10:28:00 PM	4.31	41.5
05/09/2014 10:29:00 PM	4.63	40.3
05/09/2014 10:30:00 PM	4.29	50.8
05/09/2014 10:31:00 PM	3.88	41.1
05/09/2014 10:32:00 PM	3.93	38.9
05/09/2014 10:34:00 PM	4.33	40.3
05/09/2014 10:35:00 PM	4.04	46.4
05/09/2014 10:36:00 PM	4.53	45.5
05/09/2014 10:37:00 PM	4.57	46.2
05/09/2014 10:38:00 PM	4.76	41.8
05/09/2014 10:39:00 PM	4.79	41.6
05/09/2014 10:40:00 PM	5.31	39.4
05/09/2014 10:58:00 PM	3.97	40.8
05/09/2014 10:59:00 PM	3.90	39.3
05/09/2014 11:00:00 PM	3.56	39.1
05/09/2014 11:03:00 PM	4.08	42.3
05/09/2014 11:04:00 PM	4.10	43.0
05/09/2014 11:05:00 PM	5.08	40.8
05/09/2014 11:06:00 PM	5.04	40.5
05/09/2014 11:07:00 PM	4.83	41.2
05/09/2014 11:08:00 PM	4.92	40.5
05/09/2014 11:09:00 PM	4.51	42.6
05/09/2014 11:10:00 PM	5.37	44.7
05/09/2014 11:13:00 PM	5.69	42.4
05/09/2014 11:14:00 PM	5.11	42.3
05/09/2014 11:15:00 PM	5.20	41.4
05/09/2014 11:16:00 PM	5.47	44.0
05/09/2014 11:17:00 PM	5.59	43.4
05/09/2014 11:18:00 PM	5.53	42.6
05/09/2014 11:19:00 PM	5.60	45.5
05/09/2014 11:20:00 PM	5.21	44.7
05/09/2014 11:21:00 PM	5.78	43.5
05/09/2014 11:22:00 PM	5.82	44.7
05/09/2014 11:23:00 PM	6.20	44.1
05/09/2014 11:24:00 PM	5.59	39.8
05/09/2014 11:25:00 PM	4.68	39.8
05/09/2014 11:26:00 PM	4.54	38.9
05/09/2014 11:27:00 PM	4.02	39.6
05/09/2014 11:28:00 PM	4.15	39.6
05/09/2014 11:29:00 PM	3.55	39.4
05/09/2014 11:30:00 PM	3.51	39.2
05/09/2014 11:31:00 PM	3.65	39.0
05/09/2014 11:33:00 PM	3.91	40.7
05/09/2014 11:34:00 PM	4.69	42.4
05/09/2014 11:35:00 PM	4.85	41.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/09/2014 11:36:00 PM	5.07	42.4
05/09/2014 11:37:00 PM	4.45	42.8
05/09/2014 11:38:00 PM	4.87	44.4
05/09/2014 11:39:00 PM	5.24	41.6
05/09/2014 11:40:00 PM	5.12	46.4
05/09/2014 11:41:00 PM	5.20	45.3
05/09/2014 11:42:00 PM	6.19	47.8
05/09/2014 11:43:00 PM	6.25	46.5
05/09/2014 11:44:00 PM	5.09	40.8
05/09/2014 11:45:00 PM	5.07	43.4
05/09/2014 11:46:00 PM	5.36	40.5
05/09/2014 11:47:00 PM	4.51	39.4
05/09/2014 11:48:00 PM	4.54	40.2
05/09/2014 11:49:00 PM	4.25	43.9
05/09/2014 11:50:00 PM	4.56	42.4
05/09/2014 11:51:00 PM	4.06	42.4
05/09/2014 11:52:00 PM	4.91	41.5
05/09/2014 11:53:00 PM	5.24	42.7
05/09/2014 11:54:00 PM	5.09	40.8
05/09/2014 11:55:00 PM	4.84	42.3
05/09/2014 11:56:00 PM	5.35	42.7
05/09/2014 11:57:00 PM	5.62	41.7
05/09/2014 11:58:00 PM	6.02	42.0
05/09/2014 11:59:00 PM	5.21	42.0
05/10/2014 12:00:00 AM	5.28	40.9
05/10/2014 12:01:00 AM	4.99	41.2
05/10/2014 12:02:00 AM	5.58	41.6
05/10/2014 12:03:00 AM	5.68	44.5
05/10/2014 12:04:00 AM	5.88	48.4
05/10/2014 12:05:00 AM	7.10	48.3
05/10/2014 12:10:00 AM	7.26	53.6
05/10/2014 12:13:00 AM	7.30	46.4
05/10/2014 12:14:00 AM	7.03	49.1
05/10/2014 12:15:00 AM	7.01	48.6
05/10/2014 12:16:00 AM	7.23	47.3
05/10/2014 12:17:00 AM	7.27	47.8
05/10/2014 12:18:00 AM	6.93	49.7
05/10/2014 12:19:00 AM	6.92	49.9
05/10/2014 12:32:00 AM	7.26	49.6
05/10/2014 12:34:00 AM	7.47	46.7
05/10/2014 12:35:00 AM	6.73	46.0
05/10/2014 12:36:00 AM	6.73	49.1
05/10/2014 12:37:00 AM	7.30	48.3
05/10/2014 12:38:00 AM	7.08	46.3
05/10/2014 12:39:00 AM	6.67	49.5
05/10/2014 12:40:00 AM	7.18	48.0
05/10/2014 12:41:00 AM	7.44	45.7
05/10/2014 12:42:00 AM	6.45	49.6
05/10/2014 12:43:00 AM	6.42	47.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/10/2014 12:44:00 AM	7.12	47.0
05/10/2014 12:45:00 AM	6.02	46.8
05/10/2014 12:46:00 AM	6.74	44.8
05/10/2014 12:47:00 AM	6.13	44.8
05/10/2014 12:48:00 AM	5.90	42.8
05/10/2014 12:49:00 AM	5.43	41.8
05/10/2014 12:50:00 AM	4.98	42.4
05/10/2014 12:51:00 AM	4.89	42.2
05/10/2014 12:52:00 AM	4.72	42.2
05/10/2014 12:53:00 AM	4.73	41.4
05/10/2014 12:54:00 AM	4.48	42.0
05/10/2014 12:55:00 AM	4.76	42.4
05/10/2014 12:56:00 AM	5.17	41.8
05/10/2014 12:57:00 AM	4.65	41.9
05/10/2014 12:58:00 AM	4.48	42.2
05/10/2014 12:59:00 AM	4.39	42.3
05/10/2014 1:00:00 AM	4.32	41.7
05/10/2014 1:01:00 AM	4.34	40.8
05/10/2014 1:02:00 AM	4.57	41.1
05/10/2014 1:03:00 AM	4.23	41.5
05/10/2014 1:04:00 AM	4.91	41.8
05/10/2014 1:05:00 AM	4.76	44.7
05/10/2014 1:06:00 AM	5.14	42.9
05/10/2014 1:07:00 AM	5.27	43.9
05/10/2014 1:08:00 AM	5.56	43.5
05/10/2014 1:09:00 AM	6.03	45.1
05/10/2014 1:10:00 AM	5.29	47.5
05/10/2014 1:11:00 AM	6.13	45.1
05/10/2014 1:12:00 AM	6.34	43.8
05/10/2014 1:13:00 AM	5.73	48.6
05/10/2014 1:14:00 AM	5.69	49.0
05/10/2014 1:16:00 AM	6.62	44.8
05/10/2014 1:17:00 AM	6.04	46.0
05/10/2014 1:18:00 AM	5.64	45.9
05/10/2014 1:19:00 AM	6.15	45.2
05/10/2014 1:20:00 AM	6.25	45.5
05/10/2014 1:21:00 AM	6.22	44.0
05/10/2014 1:22:00 AM	5.97	42.6
05/10/2014 1:23:00 AM	5.79	40.8
05/10/2014 1:24:00 AM	4.48	41.4
05/10/2014 1:25:00 AM	3.94	41.2
05/10/2014 1:26:00 AM	4.54	41.5
05/10/2014 1:27:00 AM	4.63	41.0
05/10/2014 1:28:00 AM	4.73	46.9
05/10/2014 1:29:00 AM	4.57	44.4
05/10/2014 1:30:00 AM	5.99	44.1
05/10/2014 1:31:00 AM	6.04	45.2
05/10/2014 1:32:00 AM	6.31	46.1
05/10/2014 1:33:00 AM	6.47	45.7

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/10/2014 1:34:00 AM	6.79	46.2
05/10/2014 1:35:00 AM	6.73	45.2
05/10/2014 1:36:00 AM	6.49	43.9
05/10/2014 1:37:00 AM	6.62	41.5
05/10/2014 1:38:00 AM	5.17	43.5
05/10/2014 1:39:00 AM	5.08	42.9
05/10/2014 1:40:00 AM	5.81	44.7
05/10/2014 1:51:00 AM	4.19	39.3
05/10/2014 1:52:00 AM	4.15	39.1
05/10/2014 1:53:00 AM	3.67	38.1
05/10/2014 1:55:00 AM	3.83	39.2
05/10/2014 1:56:00 AM	4.21	39.0
05/10/2014 1:57:00 AM	4.16	38.0
05/10/2014 1:58:00 AM	4.01	39.5
05/10/2014 2:02:00 AM	4.29	39.3
05/10/2014 2:03:00 AM	4.09	38.7
05/10/2014 2:04:00 AM	4.67	38.2
05/10/2014 2:05:00 AM	4.06	37.8
05/10/2014 2:06:00 AM	4.27	37.9
05/10/2014 2:07:00 AM	4.57	39.4
05/10/2014 2:08:00 AM	4.75	37.7
05/10/2014 2:09:00 AM	4.70	38.0
05/10/2014 2:10:00 AM	4.47	37.7
05/10/2014 2:11:00 AM	4.23	37.4
05/10/2014 2:12:00 AM	4.16	41.1
05/10/2014 2:13:00 AM	5.05	40.7
05/10/2014 2:15:00 AM	5.25	39.5
05/10/2014 2:16:00 AM	4.67	39.4
05/10/2014 2:17:00 AM	4.93	40.4
05/10/2014 2:18:00 AM	4.99	46.9
05/10/2014 2:19:00 AM	5.05	44.1
05/10/2014 2:20:00 AM	4.87	42.5
05/10/2014 2:21:00 AM	5.21	42.8
05/10/2014 2:22:00 AM	5.69	38.9
05/10/2014 2:23:00 AM	5.06	40.2
05/10/2014 2:24:00 AM	4.95	38.7
05/10/2014 2:25:00 AM	5.14	40.6
05/10/2014 2:26:00 AM	4.82	39.5
05/10/2014 2:27:00 AM	4.48	40.9
05/10/2014 2:28:00 AM	4.96	38.4
05/10/2014 2:29:00 AM	4.93	38.0
05/10/2014 2:30:00 AM	4.54	40.3
05/10/2014 2:31:00 AM	4.77	39.8
05/10/2014 2:32:00 AM	5.25	40.5
05/10/2014 2:33:00 AM	5.20	39.1
05/10/2014 2:34:00 AM	5.17	41.5
05/10/2014 2:35:00 AM	4.68	42.2
05/10/2014 2:36:00 AM	5.10	39.1
05/10/2014 2:37:00 AM	5.41	41.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/10/2014 2:38:00 AM	5.04	40.1
05/10/2014 2:39:00 AM	5.80	45.4
05/10/2014 2:40:00 AM	5.47	46.3
05/10/2014 2:41:00 AM	6.78	48.9
05/10/2014 2:42:00 AM	7.14	51.4
05/10/2014 2:46:00 AM	7.40	48.9
05/10/2014 2:48:00 AM	7.03	46.9
05/10/2014 2:49:00 AM	6.84	48.9
05/10/2014 2:50:00 AM	6.54	47.1
05/10/2014 2:52:00 AM	5.97	43.9
05/10/2014 2:53:00 AM	5.68	42.0
05/10/2014 2:54:00 AM	5.78	42.8
05/10/2014 2:55:00 AM	5.51	45.9
05/10/2014 2:56:00 AM	6.04	45.7
05/10/2014 2:57:00 AM	6.93	46.6
05/10/2014 2:58:00 AM	6.72	47.8
05/10/2014 2:59:00 AM	6.70	44.7
05/10/2014 3:00:00 AM	6.52	46.8
05/10/2014 3:01:00 AM	6.22	48.3
05/10/2014 3:02:00 AM	6.67	48.1
05/10/2014 3:03:00 AM	7.04	46.4
05/10/2014 3:04:00 AM	7.41	46.4
05/10/2014 3:05:00 AM	6.54	48.8
05/10/2014 3:06:00 AM	7.19	47.0
05/10/2014 3:07:00 AM	7.31	43.3
05/10/2014 3:08:00 AM	6.13	46.5
05/10/2014 3:09:00 AM	6.17	42.8
05/10/2014 3:10:00 AM	6.33	43.7
05/10/2014 3:11:00 AM	6.41	44.7
05/10/2014 3:12:00 AM	6.03	46.6
05/10/2014 3:13:00 AM	6.61	49.3
05/10/2014 3:15:00 AM	7.30	48.3
05/10/2014 3:17:00 AM	6.21	51.2
05/10/2014 3:19:00 AM	6.58	48.8
05/10/2014 3:20:00 AM	7.14	48.6
05/10/2014 3:21:00 AM	7.11	48.1
05/10/2014 3:22:00 AM	7.10	49.7
05/10/2014 3:25:00 AM	7.41	47.7
05/10/2014 3:26:00 AM	6.59	48.0
05/10/2014 3:28:00 AM	6.35	44.2
05/10/2014 3:29:00 AM	5.64	46.0
05/10/2014 3:30:00 AM	6.68	43.0
05/10/2014 3:31:00 AM	5.66	44.3
05/10/2014 3:32:00 AM	5.82	46.9
05/10/2014 3:33:00 AM	6.51	44.6
05/10/2014 3:34:00 AM	6.79	43.6
05/10/2014 3:35:00 AM	5.47	41.7
05/10/2014 3:36:00 AM	5.87	43.9
05/10/2014 3:37:00 AM	5.94	43.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/10/2014 3:38:00 AM	5.75	43.4
05/10/2014 3:39:00 AM	5.83	43.4
05/10/2014 3:40:00 AM	5.98	44.9
05/10/2014 3:41:00 AM	6.11	47.0
05/10/2014 3:42:00 AM	6.76	42.6
05/10/2014 3:43:00 AM	5.96	45.8
05/10/2014 3:44:00 AM	5.06	46.6
05/10/2014 3:45:00 AM	6.50	46.4
05/10/2014 3:46:00 AM	6.55	46.7
05/10/2014 3:47:00 AM	6.53	47.6
05/10/2014 3:48:00 AM	6.78	49.8
05/10/2014 3:49:00 AM	5.99	43.8
05/10/2014 3:51:00 AM	5.91	45.0
05/10/2014 3:52:00 AM	4.93	45.7
05/10/2014 3:53:00 AM	6.06	44.2
05/10/2014 3:54:00 AM	6.16	49.0
05/10/2014 3:56:00 AM	6.69	49.3
05/10/2014 3:58:00 AM	6.86	47.8
05/10/2014 4:00:00 AM	6.71	46.9
05/10/2014 4:01:00 AM	6.63	46.5
05/10/2014 4:02:00 AM	6.71	47.0
05/10/2014 4:03:00 AM	7.35	46.4
05/10/2014 4:04:00 AM	7.26	42.7
05/10/2014 4:05:00 AM	5.99	45.5
05/10/2014 4:06:00 AM	6.07	44.5
05/10/2014 4:07:00 AM	6.21	46.3
05/10/2014 4:08:00 AM	6.85	45.2
05/10/2014 4:09:00 AM	6.36	43.8
05/10/2014 4:10:00 AM	6.16	47.6
05/10/2014 4:11:00 AM	6.62	45.7
05/10/2014 4:12:00 AM	6.79	45.9
05/10/2014 4:13:00 AM	6.47	46.5
05/10/2014 4:14:00 AM	6.27	47.4
05/10/2014 4:15:00 AM	6.53	46.1
05/10/2014 4:16:00 AM	6.22	47.3
05/10/2014 4:17:00 AM	6.12	45.0
05/10/2014 4:18:00 AM	6.89	44.5
05/10/2014 4:19:00 AM	6.25	45.0
05/10/2014 4:20:00 AM	6.48	45.4
05/10/2014 4:21:00 AM	6.25	45.1
05/10/2014 4:22:00 AM	6.62	44.6
05/10/2014 4:23:00 AM	6.33	44.5
05/10/2014 4:24:00 AM	6.38	45.9
05/10/2014 4:25:00 AM	6.11	47.3
05/10/2014 4:26:00 AM	6.89	45.8
05/10/2014 4:27:00 AM	6.21	45.9
05/10/2014 4:28:00 AM	6.07	44.6
05/10/2014 4:29:00 AM	6.56	45.0
05/10/2014 4:30:00 AM	6.23	48.1

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/10/2014 4:31:00 AM	6.32	46.1
05/10/2014 4:32:00 AM	6.47	45.3
05/10/2014 4:33:00 AM	6.98	48.0
05/10/2014 4:34:00 AM	6.98	47.2
05/10/2014 4:35:00 AM	6.97	46.2
05/10/2014 4:36:00 AM	7.24	45.2
05/10/2014 4:37:00 AM	6.58	50.2
05/10/2014 4:38:00 AM	7.15	46.9
05/10/2014 4:40:00 AM	6.51	49.3
05/10/2014 4:41:00 AM	7.24	48.4
05/10/2014 4:42:00 AM	7.40	46.9
05/10/2014 4:43:00 AM	6.78	49.2
05/10/2014 4:44:00 AM	7.44	46.9
05/10/2014 4:45:00 AM	7.35	48.3
05/10/2014 4:46:00 AM	6.82	47.7
05/10/2014 4:47:00 AM	7.36	48.2
05/10/2014 4:48:00 AM	7.19	48.1
05/10/2014 4:49:00 AM	7.39	45.0
05/10/2014 4:50:00 AM	6.74	44.7
05/10/2014 4:51:00 AM	6.01	45.2
05/10/2014 4:52:00 AM	6.32	48.0
05/10/2014 4:53:00 AM	6.39	46.4
05/10/2014 4:54:00 AM	6.44	44.5
05/10/2014 4:55:00 AM	5.82	44.8
05/10/2014 4:56:00 AM	6.26	43.2
05/10/2014 4:57:00 AM	5.53	41.7
05/10/2014 4:58:00 AM	5.02	41.7
05/10/2014 4:59:00 AM	4.94	43.2
05/10/2014 10:28:00 PM	3.52	36.9
05/10/2014 10:49:00 PM	3.51	42.6
05/10/2014 10:50:00 PM	3.52	36.6
05/10/2014 10:51:00 PM	3.71	40.6
05/10/2014 10:52:00 PM	3.84	37.6
05/10/2014 10:53:00 PM	4.09	37.0
05/10/2014 10:54:00 PM	4.14	37.3
05/10/2014 10:55:00 PM	4.06	36.9
05/10/2014 10:56:00 PM	4.13	36.9
05/10/2014 10:57:00 PM	4.20	38.5
05/10/2014 10:58:00 PM	4.21	42.2
05/10/2014 10:59:00 PM	4.35	42.1
05/10/2014 11:00:00 PM	4.29	43.3
05/10/2014 11:01:00 PM	4.52	42.7
05/10/2014 11:02:00 PM	4.37	41.0
05/10/2014 11:03:00 PM	4.71	37.0
05/10/2014 11:04:00 PM	4.61	36.7
05/10/2014 11:05:00 PM	4.83	36.8
05/10/2014 11:06:00 PM	4.70	40.6
05/10/2014 11:07:00 PM	4.62	37.3
05/10/2014 11:08:00 PM	4.72	37.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/10/2014 11:09:00 PM	4.73	37.8
05/10/2014 11:10:00 PM	4.65	44.0
05/10/2014 11:11:00 PM	4.81	37.7
05/10/2014 11:12:00 PM	4.85	42.3
05/10/2014 11:13:00 PM	4.91	37.5
05/10/2014 11:14:00 PM	4.98	36.2
05/10/2014 11:15:00 PM	4.83	36.8
05/10/2014 11:16:00 PM	4.76	46.1
05/10/2014 11:17:00 PM	4.54	40.9
05/10/2014 11:18:00 PM	4.27	38.9
05/10/2014 11:19:00 PM	4.24	36.5
05/10/2014 11:20:00 PM	3.68	40.5
05/10/2014 11:21:00 PM	3.63	36.6
05/10/2014 11:22:00 PM	3.79	42.0
05/10/2014 11:23:00 PM	3.54	39.8
05/10/2014 11:24:00 PM	3.97	36.4
05/10/2014 11:25:00 PM	3.69	36.6
05/10/2014 11:26:00 PM	3.74	37.5
05/10/2014 11:27:00 PM	3.86	37.2
05/10/2014 11:28:00 PM	3.88	37.5
05/10/2014 11:29:00 PM	4.04	36.7
05/10/2014 11:30:00 PM	3.76	36.7
05/10/2014 11:31:00 PM	3.76	36.3
05/10/2014 11:32:00 PM	3.78	36.9
05/10/2014 11:33:00 PM	3.63	37.5
05/10/2014 11:34:00 PM	3.62	37.4
05/10/2014 11:35:00 PM	3.53	36.4
05/10/2014 11:37:00 PM	3.67	39.9
05/10/2014 11:38:00 PM	4.04	48.1
05/10/2014 11:39:00 PM	3.76	46.0
05/10/2014 11:40:00 PM	4.00	37.0
05/10/2014 11:41:00 PM	3.92	36.2
05/10/2014 11:42:00 PM	3.71	36.2
05/10/2014 11:46:00 PM	3.77	34.9
05/13/2014 3:47:00 AM	3.50	45.4
05/13/2014 3:48:00 AM	4.46	34.3
05/13/2014 3:53:00 AM	3.65	38.5
05/13/2014 3:54:00 AM	4.66	36.5
05/13/2014 3:55:00 AM	4.49	33.2
05/13/2014 3:56:00 AM	3.58	31.1
05/13/2014 3:57:00 AM	4.11	31.3
05/14/2014 3:13:00 AM	4.04	37.3
05/14/2014 3:14:00 AM	3.66	35.2
05/14/2014 3:15:00 AM	3.50	33.9
05/14/2014 3:18:00 AM	3.74	37.8
05/14/2014 3:19:00 AM	3.61	39.9
05/14/2014 3:22:00 AM	4.22	35.7
05/14/2014 3:26:00 AM	3.50	42.8
05/14/2014 3:28:00 AM	3.74	39.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/14/2014 3:30:00 AM	3.59	35.8
05/14/2014 3:31:00 AM	3.56	36.2
05/14/2014 3:32:00 AM	3.80	35.9
05/14/2014 3:33:00 AM	4.15	34.9
05/14/2014 3:34:00 AM	3.87	35.2
05/14/2014 3:35:00 AM	4.07	36.5
05/14/2014 3:36:00 AM	3.61	38.6
05/14/2014 3:38:00 AM	3.62	36.7
05/14/2014 3:40:00 AM	3.57	38.3
05/14/2014 3:41:00 AM	3.82	38.4
05/14/2014 3:42:00 AM	4.24	37.6
05/14/2014 3:43:00 AM	4.42	40.3
05/14/2014 3:44:00 AM	3.79	34.5
05/14/2014 3:53:00 AM	3.54	35.1
05/14/2014 3:54:00 AM	3.94	40.4
05/14/2014 3:55:00 AM	4.21	47.6
05/14/2014 3:56:00 AM	4.44	46.1
05/14/2014 3:57:00 AM	4.39	37.3
05/14/2014 3:58:00 AM	4.12	35.4
05/14/2014 3:59:00 AM	3.84	35.8
05/14/2014 4:01:00 AM	3.60	33.7
05/14/2014 4:02:00 AM	3.65	33.8
05/14/2014 4:03:00 AM	3.77	33.4
05/14/2014 4:04:00 AM	3.58	33.2
05/14/2014 4:21:00 AM	3.55	38.0
05/14/2014 4:23:00 AM	3.57	45.9
05/14/2014 4:24:00 AM	4.01	36.6
05/14/2014 4:25:00 AM	4.07	36.3
05/14/2014 4:30:00 AM	3.63	32.8
05/14/2014 4:31:00 AM	3.83	32.8
05/14/2014 4:32:00 AM	3.57	32.8
05/14/2014 4:34:00 AM	3.68	34.0
05/14/2014 4:35:00 AM	3.72	33.3
05/14/2014 4:36:00 AM	3.93	38.6
05/14/2014 4:37:00 AM	3.55	45.8
05/14/2014 4:39:00 AM	3.74	31.8
05/14/2014 10:02:00 PM	3.51	44.7
05/14/2014 10:11:00 PM	3.88	44.3
05/14/2014 10:12:00 PM	4.03	44.9
05/14/2014 10:13:00 PM	3.86	47.5
05/14/2014 10:15:00 PM	3.61	42.9
05/14/2014 10:16:00 PM	3.75	36.7
05/14/2014 10:17:00 PM	4.49	36.3
05/14/2014 10:18:00 PM	4.04	35.2
05/14/2014 10:19:00 PM	4.03	34.8
05/14/2014 10:20:00 PM	3.98	36.2
05/14/2014 10:21:00 PM	3.71	37.0
05/14/2014 10:23:00 PM	3.63	43.4
05/14/2014 10:24:00 PM	4.02	46.3

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/14/2014 10:25:00 PM	4.14	38.2
05/14/2014 10:29:00 PM	3.55	35.9
05/14/2014 10:36:00 PM	3.61	34.9
05/14/2014 10:38:00 PM	3.77	42.2
05/14/2014 10:39:00 PM	4.03	52.1
05/14/2014 10:40:00 PM	4.37	34.4
05/14/2014 10:41:00 PM	4.16	37.6
05/14/2014 10:42:00 PM	4.30	43.1
05/15/2014 1:24:00 AM	3.66	32.3
05/15/2014 1:25:00 AM	3.51	32.4
05/15/2014 1:40:00 AM	3.66	31.1
05/15/2014 1:41:00 AM	3.76	32.5
05/15/2014 1:42:00 AM	3.85	31.5
05/15/2014 1:43:00 AM	3.86	31.1
05/15/2014 1:54:00 AM	3.83	32.6
05/15/2014 1:55:00 AM	3.53	33.3
05/15/2014 1:56:00 AM	4.08	33.8
05/15/2014 1:57:00 AM	4.17	32.8
05/15/2014 1:58:00 AM	3.88	32.0
05/15/2014 2:08:00 AM	3.67	32.9
05/15/2014 2:15:00 AM	4.11	33.4
05/15/2014 2:16:00 AM	3.98	33.8
05/15/2014 2:17:00 AM	4.37	34.2
05/15/2014 2:18:00 AM	3.74	33.4
05/15/2014 2:19:00 AM	4.11	35.3
05/15/2014 2:20:00 AM	3.71	33.5
05/15/2014 2:21:00 AM	3.81	39.3
05/15/2014 2:41:00 AM	3.64	35.9
05/15/2014 3:29:00 AM	3.65	43.4
05/15/2014 3:31:00 AM	3.83	39.0
05/16/2014 2:55:00 AM	4.86	40.7
05/16/2014 2:56:00 AM	4.79	38.7
05/16/2014 2:57:00 AM	4.69	37.0
05/16/2014 2:58:00 AM	4.41	37.6
05/16/2014 3:39:00 AM	4.20	35.5
05/16/2014 3:40:00 AM	4.06	35.1
05/16/2014 3:41:00 AM	4.09	35.5
05/16/2014 3:42:00 AM	3.69	35.0
05/16/2014 3:43:00 AM	4.26	36.6
05/16/2014 3:44:00 AM	3.86	36.5
05/16/2014 3:45:00 AM	4.12	41.1
05/16/2014 3:46:00 AM	4.25	44.6
05/16/2014 3:47:00 AM	4.58	36.3
05/16/2014 3:48:00 AM	4.41	35.4
05/16/2014 3:50:00 AM	4.02	37.1
05/16/2014 3:51:00 AM	3.70	43.1
05/16/2014 3:52:00 AM	4.17	38.0
05/16/2014 3:53:00 AM	4.11	37.6
05/16/2014 3:54:00 AM	4.08	37.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/16/2014 3:55:00 AM	3.90	37.7
05/16/2014 3:56:00 AM	3.80	39.2
05/16/2014 3:57:00 AM	3.79	38.1
05/16/2014 3:59:00 AM	3.79	36.1
05/16/2014 4:00:00 AM	4.07	34.5
05/16/2014 4:01:00 AM	4.48	34.9
05/16/2014 4:02:00 AM	3.56	35.3
05/16/2014 4:03:00 AM	4.50	35.6
05/16/2014 4:04:00 AM	4.04	34.9
05/16/2014 4:05:00 AM	4.03	34.9
05/16/2014 4:06:00 AM	4.34	37.7
05/16/2014 4:07:00 AM	3.90	40.1
05/16/2014 4:08:00 AM	4.15	35.6
05/16/2014 4:12:00 AM	4.63	36.3
05/16/2014 4:13:00 AM	4.57	37.0
05/16/2014 4:14:00 AM	4.39	37.7
05/16/2014 4:15:00 AM	4.58	38.2
05/16/2014 4:16:00 AM	4.73	40.5
05/16/2014 4:17:00 AM	4.91	38.1
05/16/2014 4:18:00 AM	4.98	37.9
05/16/2014 4:19:00 AM	4.57	41.3
05/16/2014 4:20:00 AM	5.17	41.3
05/16/2014 4:21:00 AM	5.60	41.7
05/16/2014 4:22:00 AM	5.67	42.4
05/16/2014 4:23:00 AM	6.24	38.4
05/16/2014 4:24:00 AM	5.37	38.2
05/16/2014 4:25:00 AM	4.88	38.5
05/16/2014 4:26:00 AM	5.06	39.5
05/16/2014 4:27:00 AM	4.74	39.6
05/16/2014 4:28:00 AM	4.55	40.9
05/16/2014 4:29:00 AM	4.26	38.3
05/16/2014 4:30:00 AM	3.94	39.9
05/16/2014 4:31:00 AM	4.14	39.3
05/16/2014 4:32:00 AM	3.88	39.3
05/16/2014 4:33:00 AM	4.31	41.7
05/16/2014 4:34:00 AM	3.59	41.3
05/16/2014 4:36:00 AM	3.59	41.2
05/16/2014 4:37:00 AM	4.60	41.7
05/16/2014 4:38:00 AM	4.28	41.3
05/16/2014 4:39:00 AM	4.50	47.6
05/16/2014 4:40:00 AM	4.65	42.7
05/16/2014 4:41:00 AM	4.32	45.3
05/16/2014 4:42:00 AM	4.77	41.0
05/16/2014 4:43:00 AM	4.17	47.0
05/16/2014 4:44:00 AM	4.21	42.0
05/16/2014 4:58:00 AM	4.07	46.9
05/16/2014 4:59:00 AM	4.36	46.4
05/16/2014 10:00:00 PM	5.30	39.5
05/16/2014 10:01:00 PM	5.16	39.1

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/16/2014 10:02:00 PM	5.29	47.8
05/16/2014 10:03:00 PM	4.53	45.3
05/16/2014 10:04:00 PM	4.61	38.1
05/16/2014 10:07:00 PM	4.37	45.9
05/16/2014 10:08:00 PM	5.01	34.3
05/16/2014 10:09:00 PM	4.27	35.8
05/16/2014 10:11:00 PM	4.26	44.0
05/16/2014 10:12:00 PM	3.96	39.3
05/16/2014 10:13:00 PM	3.72	44.0
05/16/2014 10:14:00 PM	3.76	34.5
05/16/2014 10:15:00 PM	3.94	35.3
05/16/2014 10:16:00 PM	3.81	44.1
05/16/2014 10:17:00 PM	4.05	44.0
05/16/2014 10:18:00 PM	4.11	36.0
05/16/2014 10:19:00 PM	3.71	33.5
05/16/2014 10:20:00 PM	3.64	33.6
05/16/2014 10:21:00 PM	3.53	37.7
05/16/2014 10:22:00 PM	3.92	46.4
05/16/2014 10:23:00 PM	3.79	34.5
05/16/2014 10:24:00 PM	3.71	34.8
05/16/2014 10:26:00 PM	3.53	41.5
05/16/2014 10:40:00 PM	3.68	40.8
05/16/2014 10:51:00 PM	3.50	31.5
05/17/2014 10:03:00 PM	3.50	35.0
05/17/2014 10:04:00 PM	3.67	33.6
05/17/2014 10:05:00 PM	3.58	42.7
05/17/2014 10:06:00 PM	3.60	43.4
05/17/2014 10:08:00 PM	3.72	47.2
05/17/2014 10:09:00 PM	3.54	41.8
05/17/2014 10:10:00 PM	3.58	36.6
05/17/2014 10:11:00 PM	3.66	35.0
05/17/2014 10:12:00 PM	3.63	40.2
05/17/2014 10:13:00 PM	3.70	35.3
05/17/2014 10:14:00 PM	3.51	34.4
05/17/2014 10:25:00 PM	3.58	33.8
05/17/2014 10:26:00 PM	3.57	34.1
05/17/2014 10:36:00 PM	3.57	37.7
05/17/2014 10:38:00 PM	3.52	36.7
05/17/2014 10:41:00 PM	4.20	41.4
05/17/2014 10:42:00 PM	3.57	37.2
05/17/2014 10:44:00 PM	3.68	39.6
05/17/2014 10:45:00 PM	3.56	38.7
05/17/2014 10:46:00 PM	3.96	37.5
05/17/2014 10:47:00 PM	3.93	37.9
05/17/2014 10:48:00 PM	4.00	37.2
05/17/2014 10:49:00 PM	3.59	41.1
05/17/2014 10:50:00 PM	4.09	37.4
05/17/2014 10:51:00 PM	3.89	43.5
05/17/2014 10:52:00 PM	3.91	38.6

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/17/2014 10:53:00 PM	4.10	38.3
05/17/2014 10:54:00 PM	4.14	41.6
05/17/2014 10:55:00 PM	4.21	41.0
05/17/2014 10:56:00 PM	3.96	36.3
05/17/2014 10:57:00 PM	3.93	35.7
05/17/2014 10:58:00 PM	3.97	35.9
05/17/2014 10:59:00 PM	4.24	41.4
05/17/2014 11:00:00 PM	4.15	37.9
05/17/2014 11:01:00 PM	3.79	39.2
05/17/2014 11:02:00 PM	4.10	42.3
05/17/2014 11:03:00 PM	3.88	44.8
05/17/2014 11:04:00 PM	3.58	39.1
05/17/2014 11:05:00 PM	3.79	45.5
05/17/2014 11:06:00 PM	3.60	44.2
05/17/2014 11:07:00 PM	3.79	44.9
05/17/2014 11:08:00 PM	3.74	45.2
05/17/2014 11:09:00 PM	3.64	48.9
05/17/2014 11:13:00 PM	4.81	44.2
05/17/2014 11:14:00 PM	4.72	41.3
05/17/2014 11:15:00 PM	5.21	42.9
05/17/2014 11:16:00 PM	4.34	40.5
05/17/2014 11:17:00 PM	5.30	39.3
05/17/2014 11:18:00 PM	4.38	44.2
05/17/2014 11:19:00 PM	3.88	40.8
05/17/2014 11:20:00 PM	3.73	39.6
05/17/2014 11:21:00 PM	4.42	39.7
05/17/2014 11:22:00 PM	4.49	42.7
05/17/2014 11:23:00 PM	4.68	44.6
05/17/2014 11:24:00 PM	4.26	38.5
05/17/2014 11:25:00 PM	3.79	37.8
05/17/2014 11:26:00 PM	4.00	44.0
05/17/2014 11:27:00 PM	3.95	41.0
05/17/2014 11:28:00 PM	4.66	37.4
05/17/2014 11:29:00 PM	3.88	42.8
05/17/2014 11:30:00 PM	4.58	42.0
05/17/2014 11:31:00 PM	4.08	43.0
05/17/2014 11:32:00 PM	3.88	35.7
05/17/2014 11:33:00 PM	4.10	35.8
05/17/2014 11:34:00 PM	3.80	34.6
05/17/2014 11:35:00 PM	3.68	35.3
05/17/2014 11:36:00 PM	3.88	34.2
05/17/2014 11:37:00 PM	3.86	35.2
05/17/2014 11:38:00 PM	3.66	34.9
05/17/2014 11:39:00 PM	3.62	35.7
05/17/2014 11:49:00 PM	3.62	35.4
05/17/2014 11:53:00 PM	3.53	42.2
05/18/2014 12:04:00 AM	3.57	33.0
05/18/2014 3:19:00 AM	3.54	31.1
05/18/2014 3:20:00 AM	3.52	30.9

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/18/2014 3:21:00 AM	3.56	30.7
05/18/2014 3:29:00 AM	3.51	31.6
05/18/2014 3:30:00 AM	3.59	34.2
05/18/2014 3:31:00 AM	3.53	40.1
05/18/2014 3:32:00 AM	3.62	35.5
05/18/2014 3:33:00 AM	3.65	31.1
05/18/2014 3:38:00 AM	3.56	34.6
05/18/2014 3:39:00 AM	3.89	48.5
05/18/2014 3:40:00 AM	4.22	32.8
05/18/2014 3:46:00 AM	3.64	32.6
05/18/2014 3:55:00 AM	3.64	31.6
05/18/2014 3:56:00 AM	3.63	31.5
05/18/2014 10:00:00 PM	3.79	44.0
05/18/2014 10:01:00 PM	3.94	44.2
05/18/2014 10:02:00 PM	3.99	46.5
05/18/2014 10:03:00 PM	3.86	43.1
05/18/2014 10:04:00 PM	4.00	41.2
05/18/2014 10:05:00 PM	3.89	45.0
05/18/2014 10:06:00 PM	3.90	43.8
05/18/2014 10:07:00 PM	3.77	45.7
05/18/2014 10:08:00 PM	3.81	40.2
05/18/2014 10:09:00 PM	3.66	43.2
05/18/2014 10:10:00 PM	3.74	39.0
05/18/2014 10:11:00 PM	3.88	37.9
05/18/2014 10:12:00 PM	3.89	38.3
05/18/2014 10:13:00 PM	3.84	39.3
05/18/2014 10:14:00 PM	3.85	42.6
05/18/2014 10:15:00 PM	4.19	40.3
05/18/2014 10:16:00 PM	4.12	45.2
05/18/2014 10:17:00 PM	3.79	44.2
05/18/2014 10:18:00 PM	3.78	47.0
05/18/2014 10:19:00 PM	3.97	40.4
05/18/2014 10:20:00 PM	4.08	46.2
05/18/2014 10:21:00 PM	3.82	42.8
05/18/2014 10:22:00 PM	4.45	43.2
05/18/2014 10:23:00 PM	4.16	43.8
05/18/2014 10:24:00 PM	4.08	44.7
05/18/2014 10:25:00 PM	4.22	43.9
05/18/2014 10:26:00 PM	3.95	47.0
05/18/2014 10:27:00 PM	3.97	40.7
05/18/2014 10:28:00 PM	4.01	41.3
05/18/2014 10:29:00 PM	4.02	47.2
05/18/2014 10:30:00 PM	4.14	49.8
05/18/2014 10:31:00 PM	4.01	38.6
05/18/2014 10:32:00 PM	4.01	38.3
05/18/2014 10:33:00 PM	3.95	42.0
05/18/2014 10:34:00 PM	3.94	41.9
05/18/2014 10:35:00 PM	3.74	45.1
05/18/2014 10:36:00 PM	3.69	43.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/18/2014 10:37:00 PM	3.62	43.3
05/18/2014 10:38:00 PM	3.60	38.6
05/18/2014 10:39:00 PM	3.78	39.0
05/18/2014 10:40:00 PM	3.75	42.0
05/18/2014 10:41:00 PM	3.68	39.5
05/18/2014 10:42:00 PM	3.88	46.6
05/18/2014 10:43:00 PM	3.67	45.0
05/18/2014 10:44:00 PM	3.59	40.2
05/18/2014 10:45:00 PM	3.81	46.9
05/18/2014 10:46:00 PM	3.74	43.8
05/18/2014 10:47:00 PM	3.66	46.1
05/18/2014 10:48:00 PM	3.60	45.1
05/18/2014 10:51:00 PM	3.74	40.5
05/18/2014 10:52:00 PM	3.76	37.9
05/19/2014 3:58:00 AM	3.56	41.7
05/19/2014 4:01:00 AM	3.58	38.2
05/19/2014 4:02:00 AM	3.59	38.5
05/19/2014 4:16:00 AM	3.50	44.9
05/20/2014 10:13:00 PM	4.43	41.9
05/20/2014 10:14:00 PM	4.25	40.1
05/20/2014 10:15:00 PM	5.37	45.9
05/20/2014 10:16:00 PM	4.16	45.8
05/20/2014 10:22:00 PM	4.54	43.8
05/20/2014 11:39:00 PM	4.36	38.1
05/20/2014 11:40:00 PM	3.85	38.2
05/20/2014 11:43:00 PM	4.15	45.8
05/21/2014 10:00:00 PM	3.65	34.4
05/22/2014 2:10:00 AM	4.63	55.7
05/22/2014 2:30:00 AM	5.84	46.2
05/22/2014 2:31:00 AM	6.50	45.2
05/22/2014 2:32:00 AM	6.08	42.7
05/22/2014 2:34:00 AM	4.09	45.1
05/22/2014 2:35:00 AM	4.02	41.0
05/22/2014 2:36:00 AM	4.11	44.2
05/22/2014 2:37:00 AM	3.88	40.4
05/22/2014 2:38:00 AM	3.96	39.1
05/22/2014 2:39:00 AM	3.82	39.0
05/22/2014 10:00:00 PM	4.53	40.3
05/22/2014 10:01:00 PM	3.98	45.9
05/22/2014 10:02:00 PM	3.55	44.7
05/22/2014 10:03:00 PM	3.79	40.3
05/22/2014 10:04:00 PM	4.40	41.0
05/22/2014 10:05:00 PM	4.54	42.7
05/22/2014 10:06:00 PM	3.81	39.7
05/22/2014 10:07:00 PM	3.80	52.7
05/22/2014 10:08:00 PM	3.58	46.1
05/22/2014 10:09:00 PM	3.73	41.4
05/22/2014 10:10:00 PM	4.10	43.8
05/22/2014 10:11:00 PM	3.79	45.0

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/22/2014 10:17:00 PM	3.99	43.8
05/22/2014 10:19:00 PM	3.69	41.3
05/22/2014 10:20:00 PM	3.80	40.3
05/22/2014 10:21:00 PM	3.90	43.4
05/22/2014 10:22:00 PM	3.98	40.3
05/22/2014 10:23:00 PM	3.92	40.9
05/22/2014 10:24:00 PM	3.64	40.2
05/22/2014 10:25:00 PM	3.61	40.2
05/22/2014 10:26:00 PM	3.98	44.2
05/22/2014 10:27:00 PM	3.89	41.3
05/22/2014 10:28:00 PM	4.87	42.6
05/22/2014 10:29:00 PM	4.62	39.4
05/22/2014 10:30:00 PM	3.89	40.2
05/22/2014 10:31:00 PM	3.61	40.6
05/22/2014 10:32:00 PM	4.89	39.9
05/22/2014 10:33:00 PM	4.49	40.0
05/22/2014 10:34:00 PM	3.88	40.0
05/22/2014 10:35:00 PM	4.25	40.3
05/22/2014 10:36:00 PM	4.42	41.9
05/22/2014 10:37:00 PM	4.74	43.3
05/22/2014 10:38:00 PM	5.11	40.2
05/22/2014 10:39:00 PM	4.63	40.8
05/22/2014 10:40:00 PM	4.58	41.4
05/22/2014 10:41:00 PM	4.71	43.6
05/22/2014 10:42:00 PM	4.45	41.6
05/22/2014 10:43:00 PM	5.10	43.5
05/22/2014 10:44:00 PM	4.06	41.6
05/22/2014 10:45:00 PM	4.36	41.4
05/22/2014 10:46:00 PM	4.59	41.8
05/22/2014 10:47:00 PM	4.82	40.9
05/22/2014 10:48:00 PM	5.03	40.2
05/22/2014 10:49:00 PM	4.80	40.0
05/22/2014 10:50:00 PM	4.14	40.7
05/22/2014 10:51:00 PM	4.63	44.7
05/22/2014 10:52:00 PM	4.75	40.5
05/22/2014 10:53:00 PM	4.26	40.3
05/22/2014 10:54:00 PM	5.03	40.0
05/22/2014 10:55:00 PM	4.48	42.6
05/22/2014 10:56:00 PM	4.30	42.4
05/22/2014 10:57:00 PM	5.88	47.7
05/22/2014 10:58:00 PM	5.28	43.2
05/22/2014 10:59:00 PM	5.95	41.8
05/22/2014 11:01:00 PM	5.39	40.2
05/22/2014 11:02:00 PM	4.33	40.6
05/22/2014 11:08:00 PM	5.19	38.6
05/22/2014 11:10:00 PM	4.45	38.5
05/22/2014 11:12:00 PM	4.19	38.1
05/22/2014 11:13:00 PM	4.81	44.0
05/22/2014 11:14:00 PM	4.31	39.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/22/2014 11:15:00 PM	4.55	38.9
05/22/2014 11:16:00 PM	4.30	37.7
05/22/2014 11:17:00 PM	4.42	38.5
05/22/2014 11:18:00 PM	4.37	43.9
05/22/2014 11:19:00 PM	4.56	43.4
05/22/2014 11:20:00 PM	5.46	40.1
05/22/2014 11:21:00 PM	5.14	41.2
05/22/2014 11:22:00 PM	5.13	40.0
05/22/2014 11:23:00 PM	5.51	43.1
05/22/2014 11:24:00 PM	4.84	43.9
05/22/2014 11:25:00 PM	5.23	41.9
05/22/2014 11:26:00 PM	5.56	42.1
05/22/2014 11:27:00 PM	5.70	42.3
05/22/2014 11:28:00 PM	5.49	42.7
05/22/2014 11:29:00 PM	5.73	43.2
05/22/2014 11:30:00 PM	5.15	39.1
05/22/2014 11:31:00 PM	4.83	41.4
05/22/2014 11:32:00 PM	4.54	44.3
05/22/2014 11:33:00 PM	5.08	44.3
05/22/2014 11:34:00 PM	5.72	46.6
05/22/2014 11:35:00 PM	5.59	40.2
05/22/2014 11:36:00 PM	5.27	41.4
05/22/2014 11:37:00 PM	4.60	41.2
05/22/2014 11:38:00 PM	5.56	39.6
05/22/2014 11:39:00 PM	4.89	40.9
05/22/2014 11:40:00 PM	4.60	41.7
05/22/2014 11:41:00 PM	4.84	39.7
05/22/2014 11:42:00 PM	4.87	41.8
05/22/2014 11:43:00 PM	4.63	43.4
05/22/2014 11:44:00 PM	5.26	42.9
05/22/2014 11:45:00 PM	4.87	42.5
05/22/2014 11:46:00 PM	5.17	39.7
05/22/2014 11:47:00 PM	5.60	42.1
05/22/2014 11:48:00 PM	4.15	42.2
05/22/2014 11:49:00 PM	5.22	41.4
05/22/2014 11:50:00 PM	5.21	40.4
05/22/2014 11:51:00 PM	5.33	43.4
05/22/2014 11:52:00 PM	4.96	37.0
05/22/2014 11:53:00 PM	4.57	38.2
05/22/2014 11:54:00 PM	3.81	40.8
05/22/2014 11:56:00 PM	4.49	39.2
05/22/2014 11:57:00 PM	4.30	37.8
05/22/2014 11:58:00 PM	5.01	39.1
05/22/2014 11:59:00 PM	4.56	40.6
05/23/2014 12:01:00 AM	5.20	39.2
05/23/2014 12:03:00 AM	4.78	41.2
05/23/2014 12:04:00 AM	4.52	41.6
05/23/2014 12:05:00 AM	5.51	42.2
05/23/2014 12:06:00 AM	4.70	42.3

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/23/2014 12:07:00 AM	5.58	41.6
05/23/2014 12:08:00 AM	5.72	41.2
05/23/2014 12:09:00 AM	5.37	42.5
05/23/2014 12:10:00 AM	5.06	42.4
05/23/2014 12:11:00 AM	5.58	41.0
05/23/2014 12:12:00 AM	5.25	42.3
05/23/2014 12:13:00 AM	4.91	43.4
05/23/2014 12:14:00 AM	5.02	45.8
05/23/2014 12:15:00 AM	4.89	44.2
05/23/2014 12:16:00 AM	5.63	41.2
05/23/2014 12:17:00 AM	5.69	41.6
05/23/2014 12:18:00 AM	5.41	42.1
05/23/2014 12:19:00 AM	5.22	40.7
05/23/2014 12:20:00 AM	5.37	43.7
05/23/2014 12:21:00 AM	5.30	41.3
05/23/2014 12:22:00 AM	5.27	42.2
05/23/2014 12:23:00 AM	5.48	40.5
05/23/2014 12:24:00 AM	5.36	41.0
05/23/2014 12:25:00 AM	4.97	40.0
05/23/2014 12:26:00 AM	5.35	46.7
05/23/2014 12:27:00 AM	4.60	44.8
05/23/2014 12:28:00 AM	5.44	41.6
05/23/2014 12:29:00 AM	5.80	42.3
05/23/2014 12:30:00 AM	5.11	40.9
05/23/2014 12:31:00 AM	5.66	44.7
05/23/2014 12:32:00 AM	4.81	45.5
05/23/2014 12:33:00 AM	6.26	46.7
05/23/2014 12:34:00 AM	6.76	44.3
05/23/2014 12:35:00 AM	5.68	47.2
05/23/2014 12:36:00 AM	6.32	43.0
05/23/2014 12:37:00 AM	6.75	45.1
05/23/2014 12:38:00 AM	5.20	43.3
05/23/2014 12:39:00 AM	5.58	43.8
05/23/2014 12:40:00 AM	6.01	44.1
05/23/2014 12:41:00 AM	5.76	43.3
05/23/2014 12:42:00 AM	6.14	43.6
05/23/2014 12:43:00 AM	5.97	43.1
05/23/2014 12:44:00 AM	5.94	44.7
05/23/2014 12:45:00 AM	5.09	42.6
05/23/2014 12:46:00 AM	6.18	43.3
05/23/2014 12:47:00 AM	5.43	42.9
05/23/2014 12:48:00 AM	5.80	42.5
05/23/2014 12:49:00 AM	5.81	39.9
05/23/2014 12:50:00 AM	5.11	42.5
05/23/2014 12:51:00 AM	4.62	43.7
05/23/2014 12:52:00 AM	5.65	42.7
05/23/2014 12:53:00 AM	5.42	44.8
05/23/2014 12:54:00 AM	5.75	44.9
05/23/2014 12:55:00 AM	6.06	42.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/23/2014 12:56:00 AM	4.86	42.3
05/23/2014 12:57:00 AM	5.77	45.4
05/23/2014 12:58:00 AM	5.29	44.0
05/23/2014 12:59:00 AM	5.81	42.8
05/23/2014 1:00:00 AM	5.85	45.1
05/23/2014 1:01:00 AM	5.95	44.5
05/23/2014 1:02:00 AM	5.99	42.3
05/23/2014 1:04:00 AM	5.67	39.8
05/23/2014 1:05:00 AM	5.20	39.5
05/23/2014 1:06:00 AM	4.95	41.3
05/23/2014 1:07:00 AM	5.18	41.2
05/23/2014 1:08:00 AM	5.99	39.7
05/23/2014 1:09:00 AM	5.43	42.6
05/23/2014 1:10:00 AM	5.00	41.9
05/23/2014 1:11:00 AM	5.72	41.5
05/23/2014 1:12:00 AM	5.47	37.7
05/23/2014 1:13:00 AM	5.15	40.2
05/23/2014 1:14:00 AM	4.45	39.9
05/23/2014 1:15:00 AM	5.38	41.8
05/23/2014 1:16:00 AM	5.25	42.0
05/23/2014 1:17:00 AM	5.38	41.3
05/23/2014 1:18:00 AM	5.77	39.6
05/23/2014 1:19:00 AM	5.02	37.5
05/23/2014 1:20:00 AM	5.05	38.9
05/23/2014 1:21:00 AM	4.31	39.2
05/23/2014 1:22:00 AM	4.92	38.3
05/23/2014 1:23:00 AM	5.14	38.0
05/23/2014 1:24:00 AM	4.83	39.1
05/23/2014 1:26:00 AM	5.03	39.8
05/23/2014 1:27:00 AM	4.95	36.1
05/23/2014 1:42:00 AM	4.81	40.4
05/23/2014 1:43:00 AM	4.86	38.0
05/23/2014 1:44:00 AM	5.04	39.9
05/23/2014 1:45:00 AM	4.75	39.4
05/23/2014 1:46:00 AM	4.98	38.8
05/23/2014 1:47:00 AM	4.87	42.7
05/23/2014 1:48:00 AM	4.93	42.0
05/23/2014 1:49:00 AM	5.71	43.1
05/23/2014 1:50:00 AM	5.51	40.8
05/23/2014 1:51:00 AM	5.74	42.7
05/23/2014 1:53:00 AM	5.65	41.7
05/23/2014 1:54:00 AM	5.03	43.2
05/23/2014 1:56:00 AM	5.72	40.9
05/23/2014 1:57:00 AM	5.26	42.4
05/23/2014 1:58:00 AM	5.12	43.4
05/23/2014 1:59:00 AM	5.46	42.0
05/23/2014 2:00:00 AM	5.56	42.9
05/23/2014 2:02:00 AM	5.89	42.0
05/23/2014 2:03:00 AM	5.45	40.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/23/2014 2:13:00 AM	4.35	39.5
05/23/2014 2:15:00 AM	4.40	40.8
05/23/2014 2:16:00 AM	5.21	39.3
05/23/2014 2:19:00 AM	4.33	40.0
05/23/2014 2:24:00 AM	4.38	40.5
05/23/2014 2:26:00 AM	4.17	39.3
05/23/2014 2:28:00 AM	4.58	37.8
05/23/2014 2:32:00 AM	3.82	45.5
05/23/2014 2:34:00 AM	3.60	39.6
05/23/2014 2:35:00 AM	4.65	37.8
05/23/2014 2:36:00 AM	3.94	38.4
05/23/2014 2:37:00 AM	4.52	38.5
05/23/2014 2:38:00 AM	4.42	37.5
05/23/2014 2:39:00 AM	3.79	37.2
05/23/2014 2:40:00 AM	3.64	37.9
05/23/2014 2:41:00 AM	3.92	37.4
05/23/2014 2:42:00 AM	4.01	38.3
05/23/2014 2:43:00 AM	4.28	38.5
05/23/2014 2:44:00 AM	4.19	37.3
05/23/2014 2:45:00 AM	4.06	38.2
05/23/2014 2:46:00 AM	4.08	37.9
05/23/2014 2:47:00 AM	4.20	37.6
05/23/2014 2:48:00 AM	3.66	38.2
05/23/2014 2:49:00 AM	3.98	37.5
05/23/2014 2:50:00 AM	4.20	38.6
05/23/2014 2:51:00 AM	4.61	37.6
05/23/2014 2:52:00 AM	4.12	38.5
05/23/2014 2:53:00 AM	4.08	38.4
05/23/2014 2:54:00 AM	4.58	38.1
05/23/2014 2:55:00 AM	4.76	38.2
05/23/2014 2:56:00 AM	4.26	36.5
05/23/2014 2:57:00 AM	4.50	37.2
05/23/2014 2:58:00 AM	4.06	37.7
05/23/2014 2:59:00 AM	3.88	39.7
05/23/2014 3:00:00 AM	3.66	39.8
05/23/2014 3:01:00 AM	4.28	37.9
05/23/2014 3:02:00 AM	4.32	37.8
05/23/2014 3:03:00 AM	4.02	37.4
05/23/2014 3:04:00 AM	4.19	38.0
05/23/2014 3:05:00 AM	3.92	37.8
05/23/2014 3:06:00 AM	3.93	39.0
05/23/2014 3:07:00 AM	3.96	38.1
05/23/2014 3:08:00 AM	4.52	38.9
05/23/2014 3:09:00 AM	4.11	38.8
05/23/2014 3:10:00 AM	4.47	39.2
05/23/2014 3:11:00 AM	4.47	38.5
05/23/2014 3:12:00 AM	4.50	39.2
05/23/2014 3:13:00 AM	4.67	38.7
05/23/2014 3:14:00 AM	4.05	40.1

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/23/2014 3:15:00 AM	4.16	39.7
05/23/2014 3:16:00 AM	4.87	40.3
05/23/2014 3:17:00 AM	4.94	40.8
05/23/2014 3:18:00 AM	4.55	40.2
05/23/2014 3:19:00 AM	5.14	39.5
05/23/2014 3:20:00 AM	4.61	39.6
05/23/2014 3:21:00 AM	4.67	40.8
05/23/2014 3:22:00 AM	4.58	40.4
05/23/2014 3:23:00 AM	5.03	39.7
05/23/2014 3:24:00 AM	4.73	43.0
05/23/2014 3:25:00 AM	4.50	39.5
05/23/2014 3:26:00 AM	4.03	39.6
05/23/2014 3:27:00 AM	4.43	45.4
05/23/2014 3:28:00 AM	4.38	40.1
05/23/2014 3:29:00 AM	4.41	40.0
05/23/2014 3:30:00 AM	4.86	40.4
05/23/2014 3:31:00 AM	4.65	42.0
05/23/2014 3:32:00 AM	4.64	41.4
05/23/2014 3:33:00 AM	4.53	40.8
05/23/2014 3:34:00 AM	4.75	40.1
05/23/2014 3:35:00 AM	4.85	40.7
05/23/2014 3:36:00 AM	4.42	40.5
05/23/2014 3:37:00 AM	4.70	40.3
05/23/2014 3:38:00 AM	4.66	43.4
05/23/2014 3:39:00 AM	4.50	42.4
05/23/2014 3:40:00 AM	4.70	40.7
05/23/2014 3:41:00 AM	4.80	40.8
05/23/2014 3:42:00 AM	4.54	40.9
05/23/2014 3:43:00 AM	4.87	41.2
05/23/2014 3:44:00 AM	4.82	42.5
05/23/2014 3:45:00 AM	5.00	40.1
05/23/2014 3:46:00 AM	4.75	40.8
05/23/2014 3:47:00 AM	4.60	41.0
05/23/2014 3:48:00 AM	4.92	41.0
05/23/2014 3:49:00 AM	4.92	41.2
05/23/2014 3:50:00 AM	4.95	41.3
05/23/2014 3:51:00 AM	4.80	44.6
05/23/2014 3:52:00 AM	5.29	41.9
05/23/2014 3:53:00 AM	5.75	41.8
05/23/2014 3:54:00 AM	5.05	42.7
05/23/2014 3:55:00 AM	4.83	41.6
05/23/2014 3:56:00 AM	5.23	44.7
05/23/2014 3:57:00 AM	4.68	44.5
05/23/2014 3:58:00 AM	5.14	44.3
05/23/2014 3:59:00 AM	5.09	43.2
05/23/2014 4:00:00 AM	5.07	43.0
05/23/2014 4:01:00 AM	4.78	42.4
05/23/2014 4:02:00 AM	5.26	41.9
05/23/2014 4:03:00 AM	5.07	42.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/23/2014 4:04:00 AM	4.67	43.4
05/23/2014 4:05:00 AM	5.30	41.6
05/23/2014 4:06:00 AM	5.25	40.9
05/23/2014 4:07:00 AM	4.65	44.8
05/23/2014 4:08:00 AM	4.47	43.4
05/23/2014 4:09:00 AM	5.10	44.5
05/23/2014 4:10:00 AM	5.71	43.7
05/23/2014 4:11:00 AM	5.48	43.7
05/23/2014 4:12:00 AM	5.12	43.7
05/23/2014 4:13:00 AM	5.50	43.5
05/23/2014 4:14:00 AM	5.16	43.1
05/23/2014 4:15:00 AM	5.47	42.9
05/23/2014 4:16:00 AM	5.62	43.4
05/23/2014 4:17:00 AM	4.93	44.0
05/23/2014 4:18:00 AM	5.54	43.0
05/23/2014 4:19:00 AM	5.34	46.4
05/23/2014 4:20:00 AM	5.15	45.7
05/23/2014 4:21:00 AM	5.57	45.3
05/23/2014 4:22:00 AM	5.98	43.4
05/23/2014 4:23:00 AM	6.27	43.5
05/23/2014 4:24:00 AM	5.25	46.5
05/23/2014 4:25:00 AM	5.04	46.0
05/23/2014 4:26:00 AM	6.41	45.2
05/23/2014 4:27:00 AM	5.66	46.2
05/23/2014 4:29:00 AM	5.80	41.9
05/23/2014 4:30:00 AM	5.48	43.3
05/23/2014 4:31:00 AM	4.92	44.5
05/23/2014 4:43:00 AM	5.03	44.1
05/23/2014 4:44:00 AM	5.12	48.0
05/23/2014 4:46:00 AM	5.70	45.5
05/23/2014 4:48:00 AM	4.80	50.1
05/23/2014 4:49:00 AM	5.24	45.1
05/23/2014 4:50:00 AM	5.00	46.5
05/23/2014 4:51:00 AM	4.86	47.7
05/23/2014 4:53:00 AM	5.44	46.4
05/23/2014 4:54:00 AM	5.70	47.7
05/23/2014 4:55:00 AM	5.64	47.9
05/23/2014 4:56:00 AM	4.69	50.5
05/23/2014 4:57:00 AM	5.41	51.5
05/23/2014 4:58:00 AM	5.02	53.1
05/23/2014 4:59:00 AM	4.82	51.7
05/23/2014 10:00:00 PM	4.35	41.7
05/23/2014 10:01:00 PM	4.18	38.7
05/23/2014 10:02:00 PM	4.57	41.6
05/23/2014 10:03:00 PM	4.30	41.7
05/23/2014 10:04:00 PM	4.07	38.7
05/23/2014 10:06:00 PM	3.99	43.6
05/23/2014 10:07:00 PM	3.59	36.8
05/23/2014 10:08:00 PM	3.75	43.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/23/2014 10:09:00 PM	3.54	37.1
05/23/2014 10:10:00 PM	3.83	38.4
05/23/2014 10:11:00 PM	4.19	42.2
05/23/2014 10:12:00 PM	3.84	38.9
05/23/2014 10:13:00 PM	3.82	38.9
05/23/2014 10:14:00 PM	4.38	43.2
05/23/2014 10:16:00 PM	3.66	42.8
05/23/2014 10:22:00 PM	3.52	45.4
05/23/2014 10:23:00 PM	3.52	43.6
05/23/2014 10:24:00 PM	3.69	38.4
05/23/2014 10:25:00 PM	3.96	41.1
05/23/2014 10:26:00 PM	3.81	46.9
05/23/2014 10:27:00 PM	3.89	38.6
05/23/2014 10:28:00 PM	4.00	38.2
05/23/2014 10:29:00 PM	4.15	38.8
05/23/2014 10:30:00 PM	4.09	46.3
05/23/2014 10:31:00 PM	4.15	42.7
05/23/2014 10:32:00 PM	5.01	44.8
05/23/2014 10:33:00 PM	4.11	45.8
05/23/2014 10:34:00 PM	4.44	40.8
05/23/2014 10:35:00 PM	4.72	45.1
05/23/2014 10:36:00 PM	4.67	43.8
05/23/2014 10:37:00 PM	4.65	48.6
05/23/2014 10:38:00 PM	4.33	39.3
05/23/2014 10:39:00 PM	4.08	40.1
05/23/2014 10:40:00 PM	4.45	42.4
05/23/2014 10:41:00 PM	5.28	42.7
05/23/2014 10:42:00 PM	5.28	40.5
05/23/2014 10:43:00 PM	4.75	40.3
05/23/2014 10:44:00 PM	4.64	39.1
05/23/2014 10:45:00 PM	4.86	39.2
05/23/2014 10:46:00 PM	4.34	38.6
05/23/2014 10:47:00 PM	4.52	39.5
05/23/2014 10:48:00 PM	4.59	38.7
05/23/2014 10:49:00 PM	4.42	39.8
05/23/2014 10:50:00 PM	4.34	44.9
05/23/2014 10:51:00 PM	4.68	41.7
05/23/2014 10:52:00 PM	4.76	45.2
05/23/2014 10:53:00 PM	4.58	39.1
05/23/2014 10:54:00 PM	4.54	42.8
05/23/2014 10:55:00 PM	4.17	41.8
05/23/2014 10:56:00 PM	4.68	42.6
05/23/2014 10:57:00 PM	4.44	44.3
05/23/2014 10:58:00 PM	4.45	44.1
05/23/2014 10:59:00 PM	5.33	40.3
05/23/2014 11:00:00 PM	4.83	47.1
05/23/2014 11:01:00 PM	4.44	40.5
05/23/2014 11:02:00 PM	4.42	44.9
05/23/2014 11:03:00 PM	5.12	46.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/23/2014 11:04:00 PM	4.57	39.3
05/23/2014 11:05:00 PM	4.57	42.9
05/23/2014 11:06:00 PM	4.27	38.9
05/23/2014 11:07:00 PM	4.22	43.1
05/23/2014 11:08:00 PM	4.58	43.9
05/23/2014 11:09:00 PM	4.23	38.5
05/23/2014 11:10:00 PM	4.09	45.5
05/23/2014 11:11:00 PM	4.00	45.3
05/23/2014 11:12:00 PM	4.25	43.0
05/23/2014 11:13:00 PM	3.93	47.1
05/23/2014 11:14:00 PM	4.44	42.2
05/23/2014 11:15:00 PM	4.15	38.0
05/23/2014 11:16:00 PM	4.29	35.8
05/23/2014 11:17:00 PM	4.19	35.9
05/23/2014 11:18:00 PM	4.10	36.4
05/23/2014 11:19:00 PM	3.72	35.6
05/23/2014 11:22:00 PM	3.59	41.4
05/23/2014 11:23:00 PM	3.87	37.0
05/23/2014 11:24:00 PM	4.17	41.1
05/23/2014 11:25:00 PM	3.87	37.0
05/23/2014 11:26:00 PM	3.93	35.7
05/23/2014 11:27:00 PM	3.63	45.0
05/23/2014 11:28:00 PM	3.63	36.5
05/23/2014 11:29:00 PM	3.96	36.0
05/23/2014 11:30:00 PM	3.70	36.6
05/23/2014 11:31:00 PM	3.82	41.3
05/23/2014 11:32:00 PM	3.81	36.4
05/23/2014 11:33:00 PM	3.90	35.8
05/23/2014 11:34:00 PM	4.08	36.2
05/23/2014 11:35:00 PM	3.95	36.0
05/23/2014 11:36:00 PM	3.82	35.5
05/23/2014 11:37:00 PM	3.71	35.9
05/23/2014 11:38:00 PM	3.86	36.0
05/23/2014 11:39:00 PM	4.00	36.4
05/23/2014 11:40:00 PM	3.68	40.9
05/23/2014 11:41:00 PM	3.59	44.5
05/23/2014 11:42:00 PM	3.90	36.7
05/23/2014 11:43:00 PM	3.57	35.5
05/23/2014 11:44:00 PM	3.67	35.8
05/23/2014 11:45:00 PM	3.53	36.3
05/23/2014 11:46:00 PM	3.57	35.6
05/23/2014 11:47:00 PM	3.74	36.4
05/24/2014 4:39:00 AM	3.51	31.4
05/24/2014 4:40:00 AM	3.54	31.4
05/24/2014 4:41:00 AM	3.52	31.0
05/24/2014 4:42:00 AM	3.67	31.1
05/24/2014 4:43:00 AM	3.62	32.8
05/24/2014 10:21:00 PM	3.52	46.5
05/24/2014 10:22:00 PM	3.72	44.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/24/2014 10:23:00 PM	3.76	36.8
05/24/2014 10:24:00 PM	3.70	35.5
05/24/2014 10:25:00 PM	3.67	36.4
05/26/2014 1:47:00 AM	3.91	37.8
05/26/2014 1:56:00 AM	3.50	37.9
05/26/2014 1:57:00 AM	3.61	38.6
05/26/2014 1:58:00 AM	3.79	50.5
05/26/2014 1:59:00 AM	3.76	42.7
05/26/2014 2:00:00 AM	4.11	38.9
05/26/2014 2:01:00 AM	3.87	39.2
05/26/2014 2:02:00 AM	3.74	39.5
05/26/2014 2:03:00 AM	3.70	39.0
05/26/2014 2:04:00 AM	3.50	39.1
05/26/2014 2:07:00 AM	3.60	39.1
05/26/2014 2:08:00 AM	3.78	39.0
05/26/2014 2:09:00 AM	3.88	39.0
05/26/2014 2:10:00 AM	4.14	39.3
05/26/2014 2:11:00 AM	4.16	39.2
05/26/2014 2:12:00 AM	4.23	39.5
05/26/2014 2:13:00 AM	4.41	39.3
05/26/2014 2:14:00 AM	4.32	39.3
05/26/2014 2:15:00 AM	4.17	39.2
05/26/2014 2:16:00 AM	4.16	39.2
05/26/2014 2:17:00 AM	4.06	39.6
05/26/2014 2:18:00 AM	4.04	39.4
05/26/2014 2:19:00 AM	3.86	39.9
05/26/2014 2:20:00 AM	3.88	39.5
05/26/2014 2:21:00 AM	3.78	39.2
05/26/2014 2:22:00 AM	3.82	39.6
05/26/2014 2:23:00 AM	3.66	39.7
05/26/2014 2:24:00 AM	3.92	39.8
05/26/2014 2:25:00 AM	3.99	40.0
05/26/2014 2:26:00 AM	4.08	39.7
05/26/2014 2:27:00 AM	4.16	39.8
05/26/2014 2:28:00 AM	3.95	39.6
05/26/2014 2:29:00 AM	3.91	39.7
05/26/2014 2:30:00 AM	3.94	39.3
05/26/2014 2:31:00 AM	4.07	39.3
05/26/2014 2:32:00 AM	3.75	38.9
05/26/2014 2:33:00 AM	3.62	38.7
05/26/2014 2:34:00 AM	3.57	38.4
05/26/2014 2:35:00 AM	3.76	38.5
05/26/2014 2:36:00 AM	3.63	38.5
05/26/2014 2:37:00 AM	3.53	38.9
05/26/2014 3:24:00 AM	3.59	39.0
05/26/2014 3:25:00 AM	3.53	38.9
05/26/2014 3:26:00 AM	3.70	38.9
05/26/2014 3:27:00 AM	3.68	39.0
05/26/2014 3:28:00 AM	3.61	39.4

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/26/2014 3:29:00 AM	3.66	39.1
05/26/2014 3:30:00 AM	3.58	38.6
05/26/2014 3:31:00 AM	3.67	38.8
05/26/2014 3:32:00 AM	3.57	38.9
05/26/2014 3:33:00 AM	3.59	39.2
05/26/2014 3:56:00 AM	3.66	39.3
05/26/2014 3:57:00 AM	3.63	40.8
05/26/2014 3:58:00 AM	3.77	48.1
05/26/2014 3:59:00 AM	3.92	39.6
05/26/2014 4:00:00 AM	3.91	39.2
05/26/2014 4:01:00 AM	3.96	39.1
05/26/2014 4:02:00 AM	3.92	40.6
05/26/2014 4:03:00 AM	3.90	41.2
05/26/2014 4:04:00 AM	4.07	46.0
05/26/2014 4:05:00 AM	3.99	39.6
05/26/2014 4:06:00 AM	3.90	39.9
05/26/2014 4:07:00 AM	3.97	37.8
05/26/2014 4:08:00 AM	3.90	38.1
05/26/2014 4:09:00 AM	3.75	42.4
05/26/2014 4:10:00 AM	3.71	41.8
05/26/2014 4:13:00 AM	3.64	41.9
05/26/2014 4:14:00 AM	3.58	38.7
05/26/2014 4:16:00 AM	3.78	42.5
05/26/2014 4:17:00 AM	3.63	37.8
05/26/2014 4:18:00 AM	3.61	37.9
05/26/2014 4:19:00 AM	3.58	40.3
05/26/2014 4:20:00 AM	3.51	37.8
05/26/2014 4:22:00 AM	3.54	38.4
06/02/2014 10:00:00 PM	5.59	48.5
06/02/2014 10:03:00 PM	5.96	46.1
06/02/2014 10:16:00 PM	5.88	46.5
06/02/2014 10:20:00 PM	6.01	47.4
06/02/2014 10:27:00 PM	6.25	48.3
06/02/2014 10:29:00 PM	6.68	47.6
06/02/2014 10:30:00 PM	6.47	48.3
06/02/2014 10:36:00 PM	6.65	50.3
06/02/2014 10:39:00 PM	7.41	47.5
06/02/2014 10:40:00 PM	6.84	51.4
06/02/2014 10:42:00 PM	7.30	47.8
06/02/2014 10:43:00 PM	7.09	50.1
06/02/2014 10:44:00 PM	6.55	48.2
06/02/2014 10:45:00 PM	7.23	48.7
06/02/2014 10:47:00 PM	6.54	47.5
06/02/2014 10:48:00 PM	6.81	45.6
06/02/2014 10:49:00 PM	6.23	48.3
06/02/2014 10:52:00 PM	6.00	47.5
06/02/2014 10:54:00 PM	6.32	46.5
06/02/2014 10:55:00 PM	6.13	47.4
06/02/2014 10:56:00 PM	5.58	49.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
06/02/2014 10:59:00 PM	6.65	46.0
06/02/2014 11:00:00 PM	6.24	46.6
06/02/2014 11:02:00 PM	6.13	46.2
06/02/2014 11:04:00 PM	6.28	46.7
06/02/2014 11:07:00 PM	5.94	46.1
06/02/2014 11:09:00 PM	6.13	49.7
06/02/2014 11:11:00 PM	6.61	46.2
06/02/2014 11:18:00 PM	6.70	44.5
06/02/2014 11:19:00 PM	6.35	44.1
06/02/2014 11:20:00 PM	5.42	45.7
06/02/2014 11:21:00 PM	5.67	45.8
06/02/2014 11:22:00 PM	5.77	44.0
06/02/2014 11:23:00 PM	5.67	43.4
06/02/2014 11:24:00 PM	5.06	44.4
06/02/2014 11:25:00 PM	4.71	43.3
06/02/2014 11:26:00 PM	4.94	43.6
06/02/2014 11:27:00 PM	4.59	44.1
06/02/2014 11:28:00 PM	4.68	45.2
06/02/2014 11:29:00 PM	4.97	46.3
06/02/2014 11:30:00 PM	5.28	45.1
06/02/2014 11:32:00 PM	4.92	45.0
06/02/2014 11:33:00 PM	5.30	44.3
06/02/2014 11:34:00 PM	5.49	44.5
06/02/2014 11:35:00 PM	5.50	47.6
06/02/2014 11:36:00 PM	5.47	44.8
06/02/2014 11:38:00 PM	5.70	48.6
06/02/2014 11:39:00 PM	6.29	46.3
06/02/2014 11:40:00 PM	6.38	44.2
06/02/2014 11:41:00 PM	6.24	48.7
06/02/2014 11:42:00 PM	5.73	44.4
06/02/2014 11:43:00 PM	6.09	45.8
06/02/2014 11:44:00 PM	5.79	46.1
06/02/2014 11:45:00 PM	5.93	45.8
06/02/2014 11:46:00 PM	6.07	48.5
06/02/2014 11:49:00 PM	6.23	43.3
06/02/2014 11:50:00 PM	5.61	42.6
06/02/2014 11:51:00 PM	5.34	49.0
06/02/2014 11:54:00 PM	5.52	42.6
06/02/2014 11:57:00 PM	6.49	45.9
06/02/2014 11:58:00 PM	6.38	46.9
06/03/2014 12:01:00 AM	7.28	48.1
06/03/2014 12:02:00 AM	5.34	46.7
06/03/2014 12:03:00 AM	6.14	46.4
06/03/2014 12:04:00 AM	6.19	44.9
06/03/2014 12:05:00 AM	6.20	42.2
06/03/2014 12:06:00 AM	5.97	50.8
06/03/2014 12:07:00 AM	5.21	47.9
06/03/2014 12:09:00 AM	6.94	42.9
06/03/2014 12:10:00 AM	5.50	44.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
06/03/2014 12:11:00 AM	5.59	46.8
06/03/2014 12:15:00 AM	5.99	43.3
06/03/2014 12:17:00 AM	4.80	42.3
06/03/2014 12:18:00 AM	5.23	44.6
06/03/2014 12:19:00 AM	4.89	42.9
06/03/2014 12:20:00 AM	5.02	43.3
06/03/2014 12:26:00 AM	4.69	42.9
06/03/2014 12:27:00 AM	4.78	46.0
06/03/2014 12:29:00 AM	5.16	44.0
06/03/2014 12:30:00 AM	5.39	43.9
06/03/2014 12:49:00 AM	5.68	45.0
06/03/2014 12:54:00 AM	5.52	46.3
06/03/2014 12:57:00 AM	5.96	46.3
06/03/2014 1:01:00 AM	6.25	47.2
06/03/2014 1:03:00 AM	6.30	48.3
06/03/2014 1:05:00 AM	6.53	45.2
06/03/2014 1:06:00 AM	5.22	41.9
06/03/2014 1:07:00 AM	5.69	42.0
06/03/2014 1:08:00 AM	4.43	44.6
06/03/2014 1:09:00 AM	4.82	46.4
06/03/2014 1:10:00 AM	5.55	45.4
06/03/2014 1:11:00 AM	5.22	41.7
06/03/2014 1:12:00 AM	5.13	46.6
06/03/2014 1:13:00 AM	4.41	54.9
06/03/2014 1:14:00 AM	5.94	50.0
06/03/2014 1:15:00 AM	5.43	49.9
06/03/2014 1:16:00 AM	6.01	52.5
06/03/2014 1:17:00 AM	5.87	46.3
06/03/2014 1:30:00 AM	6.11	42.9
06/03/2014 1:31:00 AM	5.60	43.7
06/03/2014 1:32:00 AM	5.43	41.6
06/03/2014 1:33:00 AM	5.25	41.6
06/03/2014 1:35:00 AM	4.40	42.8
06/03/2014 1:36:00 AM	4.32	40.3
06/03/2014 1:37:00 AM	5.17	42.3
06/03/2014 1:38:00 AM	4.40	51.8
06/03/2014 1:39:00 AM	5.04	51.0
06/03/2014 1:52:00 AM	4.32	35.8
06/03/2014 1:53:00 AM	4.22	31.0
06/03/2014 1:54:00 AM	3.87	30.1
06/03/2014 3:07:00 AM	4.41	35.5
06/03/2014 3:08:00 AM	4.31	41.4
06/03/2014 3:09:00 AM	3.86	42.2
06/03/2014 3:10:00 AM	5.03	37.8
06/03/2014 3:11:00 AM	4.41	38.7
06/03/2014 3:12:00 AM	4.36	37.1
06/03/2014 3:13:00 AM	4.75	38.5
06/03/2014 3:14:00 AM	4.37	39.1
06/03/2014 3:15:00 AM	4.88	38.5

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
06/03/2014 3:16:00 AM	5.01	36.1
06/03/2014 3:17:00 AM	4.76	36.1
06/03/2014 3:18:00 AM	4.23	34.9
06/03/2014 3:19:00 AM	4.47	36.1
06/03/2014 3:20:00 AM	4.01	38.7
06/03/2014 3:21:00 AM	4.18	37.1
06/03/2014 3:23:00 AM	4.47	37.2
06/03/2014 3:24:00 AM	4.70	39.7
06/03/2014 3:25:00 AM	4.37	40.5
06/03/2014 3:26:00 AM	4.92	41.7
06/03/2014 3:27:00 AM	5.25	40.5
06/03/2014 3:28:00 AM	5.42	43.6
06/03/2014 3:29:00 AM	5.28	42.6
06/03/2014 3:30:00 AM	5.99	42.5
06/03/2014 3:31:00 AM	5.48	42.3
06/03/2014 3:32:00 AM	5.83	41.5
06/03/2014 3:33:00 AM	5.46	41.7
06/03/2014 3:34:00 AM	5.11	40.6
06/03/2014 3:35:00 AM	4.34	43.4
06/03/2014 3:37:00 AM	4.98	37.9
06/03/2014 3:38:00 AM	4.99	40.8
06/03/2014 3:39:00 AM	4.73	37.6
06/03/2014 3:40:00 AM	5.14	41.1
06/03/2014 3:41:00 AM	4.79	40.4
06/03/2014 3:42:00 AM	5.11	38.6
06/03/2014 3:43:00 AM	5.16	41.1
06/03/2014 3:44:00 AM	4.46	39.7
06/03/2014 3:45:00 AM	4.86	39.5
06/03/2014 3:46:00 AM	4.86	39.8
06/03/2014 3:47:00 AM	4.44	41.6
06/03/2014 3:48:00 AM	4.39	40.6
06/03/2014 3:49:00 AM	5.03	42.6
06/03/2014 3:50:00 AM	4.86	40.1
06/03/2014 3:51:00 AM	5.42	39.9
06/03/2014 4:33:00 AM	5.16	43.2
06/03/2014 4:45:00 AM	4.48	49.2
06/03/2014 4:46:00 AM	4.73	49.4
06/03/2014 4:47:00 AM	4.24	48.0
06/03/2014 4:48:00 AM	4.49	41.6
06/03/2014 4:49:00 AM	5.71	43.9
06/03/2014 4:50:00 AM	5.25	42.5
06/03/2014 4:51:00 AM	5.96	45.2
06/03/2014 4:52:00 AM	5.47	40.6
06/03/2014 4:53:00 AM	5.91	39.8
06/03/2014 4:54:00 AM	4.61	40.6
06/03/2014 4:55:00 AM	4.33	45.0
06/03/2014 4:56:00 AM	4.29	43.0
06/03/2014 4:57:00 AM	5.43	42.6
06/03/2014 4:58:00 AM	4.85	45.8

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
06/03/2014 4:59:00 AM	4.96	45.5
06/06/2014 11:14:00 PM	3.52	37.1
06/06/2014 11:18:00 PM	3.55	43.3
06/06/2014 11:32:00 PM	3.90	37.4
06/06/2014 11:33:00 PM	3.56	38.2
06/06/2014 11:34:00 PM	3.51	44.4
06/06/2014 11:35:00 PM	3.59	38.4
06/06/2014 11:36:00 PM	3.63	37.9
06/06/2014 11:37:00 PM	3.67	38.3
06/06/2014 11:39:00 PM	3.74	38.7
06/06/2014 11:42:00 PM	3.75	42.3
06/06/2014 11:56:00 PM	3.63	38.0
06/07/2014 12:00:00 AM	3.59	46.3
06/07/2014 12:03:00 AM	3.89	45.5
06/07/2014 12:04:00 AM	3.67	41.7
06/07/2014 12:08:00 AM	3.59	39.1
06/07/2014 12:12:00 AM	3.58	38.8
06/07/2014 12:14:00 AM	3.51	38.8
06/07/2014 12:15:00 AM	3.68	39.4
06/07/2014 12:16:00 AM	3.92	45.0
06/07/2014 12:18:00 AM	4.18	40.4
06/07/2014 12:19:00 AM	3.68	42.4
06/07/2014 12:20:00 AM	4.33	42.1
06/07/2014 12:21:00 AM	3.61	44.3
06/07/2014 12:22:00 AM	3.67	38.1
06/07/2014 12:23:00 AM	3.93	37.6
06/07/2014 12:24:00 AM	3.59	38.1
06/07/2014 12:25:00 AM	3.66	37.9
06/07/2014 12:27:00 AM	3.92	38.6
06/07/2014 12:29:00 AM	3.84	44.8
06/07/2014 12:31:00 AM	3.69	37.8
06/07/2014 12:32:00 AM	4.00	37.4
06/07/2014 12:33:00 AM	4.09	37.7
06/07/2014 12:34:00 AM	3.74	37.7
06/07/2014 12:35:00 AM	3.98	37.3
06/07/2014 12:36:00 AM	4.10	37.3
06/07/2014 12:37:00 AM	3.73	38.0
06/07/2014 12:38:00 AM	3.53	48.8
06/07/2014 12:39:00 AM	3.52	44.0
06/10/2014 10:01:00 PM	3.83	33.9
06/10/2014 10:02:00 PM	3.99	34.4
06/10/2014 10:06:00 PM	3.53	36.8
06/10/2014 10:07:00 PM	3.55	42.9
06/10/2014 10:08:00 PM	3.98	32.7
06/10/2014 10:09:00 PM	3.78	32.4
06/10/2014 10:10:00 PM	3.54	33.7
06/10/2014 10:11:00 PM	3.81	43.8
06/10/2014 10:12:00 PM	3.64	44.8
06/10/2014 10:29:00 PM	3.65	35.2

**Table 1 - Valid Total 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
06/10/2014 10:40:00 PM	3.62	42.7
06/10/2014 10:41:00 PM	3.73	48.1
06/10/2014 10:44:00 PM	3.55	32.8
06/10/2014 10:46:00 PM	3.56	32.3
06/10/2014 10:52:00 PM	3.66	44.7
06/10/2014 10:54:00 PM	3.52	34.6
06/10/2014 11:04:00 PM	3.66	37.6
06/10/2014 11:08:00 PM	3.64	48.6
06/10/2014 11:20:00 PM	3.76	38.4
06/10/2014 11:24:00 PM	4.01	39.1
06/10/2014 11:29:00 PM	3.71	38.0
06/10/2014 11:30:00 PM	3.69	37.7
06/10/2014 11:33:00 PM	3.80	38.0
06/10/2014 11:37:00 PM	3.61	38.1
06/10/2014 11:39:00 PM	3.69	37.4
06/10/2014 11:40:00 PM	3.79	37.2
06/10/2014 11:47:00 PM	3.67	34.1
06/11/2014 12:33:00 AM	3.56	34.7
06/11/2014 12:37:00 AM	3.69	48.4
06/11/2014 1:02:00 AM	3.71	34.0
06/11/2014 3:55:00 AM	3.69	38.6
06/11/2014 3:56:00 AM	3.56	30.3
06/11/2014 3:57:00 AM	3.86	30.4
06/11/2014 3:58:00 AM	3.81	30.5
06/11/2014 3:59:00 AM	3.85	37.2
06/11/2014 4:00:00 AM	3.84	31.8
06/11/2014 4:01:00 AM	3.84	31.2
06/11/2014 4:02:00 AM	3.82	43.7
06/11/2014 4:03:00 AM	4.06	39.5
06/11/2014 4:04:00 AM	3.82	31.9
06/11/2014 4:05:00 AM	4.28	33.2
06/11/2014 4:06:00 AM	4.23	49.0
06/11/2014 4:07:00 AM	4.15	38.4
06/11/2014 4:08:00 AM	4.02	34.4
06/11/2014 4:09:00 AM	4.03	35.8
06/11/2014 4:10:00 AM	3.57	42.0
06/11/2014 4:11:00 AM	3.67	32.8
06/11/2014 4:15:00 AM	3.52	31.7
06/11/2014 4:17:00 AM	3.89	30.7
06/11/2014 4:18:00 AM	3.80	32.7
06/11/2014 4:21:00 AM	3.66	31.4
06/11/2014 4:22:00 AM	3.68	39.5
06/11/2014 4:30:00 AM	3.67	46.2
06/11/2014 4:31:00 AM	3.55	33.7
06/11/2014 4:32:00 AM	3.51	31.5

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/09/2014 3:30:00 AM	3.54	27.1
04/09/2014 3:31:00 AM	3.56	29.9
04/09/2014 3:32:00 AM	3.64	34.7
04/09/2014 3:33:00 AM	3.74	31.7
04/09/2014 3:34:00 AM	3.73	22.7
04/09/2014 3:35:00 AM	3.70	22.6
04/09/2014 3:36:00 AM	3.66	22.2
04/09/2014 3:37:00 AM	3.73	24.2
04/09/2014 3:38:00 AM	3.81	24.8
04/09/2014 3:39:00 AM	3.86	27.9
04/09/2014 3:40:00 AM	3.89	31.7
04/09/2014 3:41:00 AM	3.86	46.7
04/09/2014 3:42:00 AM	3.85	25.9
04/09/2014 3:43:00 AM	3.72	24.1
04/09/2014 3:44:00 AM	3.72	27.3
04/09/2014 3:45:00 AM	3.69	45.6
04/09/2014 3:46:00 AM	3.72	28.3
04/09/2014 3:47:00 AM	3.62	46.9
04/09/2014 3:48:00 AM	3.59	37.5
04/09/2014 3:50:00 AM	3.54	22.5
04/09/2014 3:51:00 AM	3.54	26.4
04/09/2014 3:52:00 AM	3.61	30.8
04/09/2014 3:53:00 AM	3.70	29.5
04/09/2014 4:18:00 AM	3.54	32.9
04/09/2014 4:19:00 AM	3.55	31.1
04/09/2014 4:21:00 AM	3.71	24.5
04/09/2014 4:23:00 AM	3.63	27.0
04/09/2014 4:24:00 AM	3.75	30.7
04/09/2014 4:25:00 AM	3.84	31.8
04/09/2014 4:26:00 AM	3.78	28.5
04/09/2014 4:27:00 AM	3.77	26.3
04/09/2014 4:28:00 AM	3.75	44.4
04/09/2014 4:29:00 AM	3.57	47.5
04/09/2014 4:30:00 AM	3.94	39.0
04/09/2014 4:31:00 AM	4.22	33.1
04/09/2014 4:32:00 AM	3.85	35.0
04/09/2014 4:33:00 AM	4.33	27.4
04/09/2014 4:34:00 AM	3.84	43.5
04/09/2014 4:35:00 AM	4.22	44.5
04/09/2014 4:36:00 AM	4.20	31.1
04/09/2014 4:37:00 AM	4.32	31.5
04/09/2014 4:38:00 AM	4.49	34.2
04/09/2014 4:39:00 AM	4.36	31.1
04/09/2014 4:40:00 AM	4.26	29.0
04/09/2014 4:41:00 AM	4.08	45.3
04/09/2014 4:42:00 AM	3.95	41.7
04/09/2014 4:43:00 AM	3.93	38.6
04/09/2014 4:44:00 AM	4.05	31.3
04/09/2014 4:45:00 AM	4.36	27.5

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/09/2014 4:46:00 AM	3.85	30.9
04/09/2014 4:47:00 AM	4.24	30.9
04/09/2014 4:48:00 AM	4.11	42.0
04/09/2014 10:05:00 PM	4.22	40.8
04/09/2014 10:06:00 PM	4.17	40.1
04/09/2014 10:07:00 PM	4.11	37.9
04/09/2014 10:08:00 PM	4.09	40.5
04/09/2014 10:09:00 PM	3.95	34.3
04/09/2014 10:10:00 PM	4.03	34.5
04/09/2014 10:11:00 PM	3.76	30.7
04/09/2014 10:12:00 PM	3.68	41.3
04/09/2014 10:13:00 PM	3.74	34.4
04/09/2014 10:14:00 PM	3.73	38.9
04/09/2014 10:15:00 PM	3.65	37.9
04/09/2014 10:16:00 PM	3.67	40.4
04/09/2014 10:17:00 PM	3.86	32.7
04/09/2014 10:18:00 PM	3.82	33.0
04/09/2014 10:19:00 PM	3.74	41.5
04/09/2014 10:20:00 PM	3.74	42.8
04/09/2014 10:21:00 PM	3.92	48.5
04/09/2014 10:22:00 PM	3.70	32.7
04/09/2014 10:23:00 PM	4.07	30.6
04/09/2014 10:24:00 PM	3.74	32.3
04/09/2014 10:25:00 PM	3.71	30.4
04/09/2014 10:26:00 PM	3.84	29.6
04/09/2014 11:10:00 PM	3.58	29.6
04/09/2014 11:23:00 PM	3.55	28.3
04/09/2014 11:24:00 PM	3.53	27.0
04/09/2014 11:25:00 PM	3.57	27.8
04/09/2014 11:34:00 PM	3.50	43.6
04/09/2014 11:50:00 PM	3.57	35.0
04/09/2014 11:57:00 PM	3.64	32.5
04/10/2014 1:14:00 AM	3.68	25.9
04/10/2014 1:25:00 AM	3.52	38.2
04/10/2014 1:26:00 AM	3.52	36.0
04/10/2014 1:27:00 AM	3.61	46.9
04/10/2014 1:28:00 AM	3.57	43.3
04/10/2014 1:29:00 AM	3.54	28.9
04/10/2014 1:44:00 AM	3.70	37.7
04/10/2014 1:45:00 AM	3.93	36.4
04/10/2014 1:46:00 AM	3.80	32.5
04/10/2014 1:47:00 AM	3.88	31.4
04/10/2014 1:48:00 AM	3.78	30.4
04/10/2014 1:49:00 AM	3.72	30.9
04/10/2014 1:50:00 AM	3.66	28.7
04/10/2014 1:51:00 AM	3.57	27.1
04/10/2014 1:53:00 AM	3.66	33.0
04/10/2014 1:54:00 AM	3.52	33.4
04/10/2014 1:56:00 AM	3.54	28.8

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/10/2014 2:11:00 AM	3.54	28.8
04/10/2014 2:21:00 AM	3.51	27.8
04/10/2014 2:23:00 AM	3.54	29.2
04/10/2014 4:39:00 AM	7.13	45.3
04/10/2014 4:40:00 AM	6.67	50.6
04/10/2014 4:41:00 AM	7.12	49.6
04/10/2014 4:43:00 AM	7.17	45.0
04/10/2014 4:44:00 AM	6.24	47.6
04/10/2014 4:45:00 AM	6.53	47.5
04/10/2014 4:46:00 AM	6.56	46.6
04/10/2014 4:47:00 AM	5.89	48.1
04/10/2014 4:48:00 AM	5.85	44.3
04/10/2014 4:49:00 AM	5.36	42.4
04/10/2014 4:50:00 AM	5.65	48.2
04/10/2014 4:51:00 AM	5.87	47.7
04/10/2014 4:52:00 AM	6.88	46.3
04/10/2014 4:53:00 AM	6.89	43.8
04/10/2014 4:54:00 AM	6.50	40.2
04/10/2014 4:55:00 AM	5.62	41.2
04/10/2014 4:56:00 AM	5.33	44.5
04/10/2014 4:57:00 AM	5.88	46.9
04/10/2014 4:58:00 AM	6.82	46.9
04/10/2014 4:59:00 AM	6.56	46.7
04/22/2014 10:00:00 PM	6.89	43.6
04/22/2014 10:01:00 PM	6.46	47.7
04/22/2014 10:02:00 PM	6.88	47.3
04/22/2014 10:03:00 PM	6.97	46.7
04/22/2014 10:04:00 PM	6.80	46.3
04/22/2014 10:05:00 PM	7.24	49.7
04/22/2014 10:06:00 PM	7.09	46.6
04/22/2014 10:07:00 PM	7.01	48.6
04/22/2014 10:08:00 PM	7.17	49.1
04/22/2014 10:12:00 PM	6.83	48.3
04/22/2014 10:13:00 PM	6.46	48.3
04/22/2014 10:15:00 PM	7.23	43.4
04/22/2014 10:16:00 PM	6.24	47.9
04/22/2014 10:17:00 PM	6.66	49.5
04/22/2014 11:07:00 PM	7.37	48.3
04/22/2014 11:08:00 PM	7.35	49.6
04/22/2014 11:37:00 PM	6.95	48.1
04/23/2014 12:02:00 AM	5.80	43.0
04/23/2014 12:03:00 AM	6.08	40.4
04/23/2014 12:04:00 AM	5.53	39.2
04/23/2014 12:05:00 AM	5.78	46.0
04/23/2014 12:06:00 AM	6.66	45.4
04/23/2014 12:15:00 AM	7.36	47.3
04/23/2014 12:16:00 AM	7.20	44.3
04/23/2014 12:17:00 AM	6.90	44.3
04/23/2014 12:22:00 AM	6.79	45.8

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/23/2014 12:23:00 AM	6.92	41.2
04/23/2014 12:24:00 AM	6.36	40.5
04/23/2014 12:33:00 AM	6.89	48.5
04/23/2014 12:34:00 AM	7.31	45.7
04/23/2014 12:35:00 AM	7.16	45.8
04/23/2014 12:36:00 AM	6.63	45.3
04/23/2014 12:37:00 AM	6.25	48.2
04/23/2014 12:38:00 AM	7.35	44.3
04/23/2014 12:39:00 AM	6.78	46.3
04/23/2014 12:47:00 AM	7.20	47.6
04/23/2014 12:52:00 AM	7.33	45.9
04/23/2014 12:53:00 AM	7.26	39.0
04/23/2014 12:54:00 AM	6.14	45.1
04/23/2014 12:55:00 AM	5.87	44.5
04/23/2014 12:56:00 AM	6.78	48.2
04/23/2014 12:57:00 AM	7.25	46.5
04/23/2014 12:58:00 AM	7.24	47.2
04/23/2014 12:59:00 AM	7.20	42.6
04/23/2014 1:00:00 AM	6.15	47.6
04/23/2014 1:01:00 AM	7.07	44.0
04/23/2014 1:02:00 AM	7.32	46.0
04/23/2014 1:03:00 AM	6.78	45.3
04/23/2014 1:04:00 AM	7.21	45.5
04/23/2014 1:05:00 AM	6.86	47.0
04/23/2014 1:07:00 AM	6.97	43.9
04/23/2014 1:08:00 AM	6.97	47.4
04/23/2014 1:09:00 AM	7.35	43.8
04/23/2014 1:10:00 AM	7.00	47.9
04/23/2014 1:11:00 AM	7.11	48.6
04/23/2014 1:15:00 AM	6.22	38.7
04/23/2014 1:16:00 AM	5.76	43.8
04/23/2014 1:17:00 AM	6.64	40.8
04/23/2014 1:18:00 AM	6.10	48.4
04/23/2014 1:19:00 AM	7.01	45.6
04/23/2014 1:20:00 AM	7.32	42.8
04/23/2014 1:21:00 AM	6.25	43.7
04/23/2014 1:22:00 AM	6.54	42.6
04/23/2014 1:23:00 AM	6.07	43.1
04/23/2014 1:25:00 AM	6.80	48.5
04/23/2014 1:26:00 AM	7.49	47.6
04/23/2014 1:27:00 AM	7.29	50.5
04/23/2014 1:29:00 AM	6.69	47.4
04/23/2014 1:30:00 AM	6.93	49.0
04/23/2014 1:33:00 AM	6.55	47.6
04/23/2014 1:35:00 AM	7.23	45.1
04/23/2014 1:36:00 AM	6.64	47.5
04/23/2014 1:37:00 AM	6.62	49.2
04/23/2014 1:43:00 AM	7.36	43.9
04/23/2014 1:44:00 AM	6.60	48.9

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/23/2014 1:49:00 AM	7.42	49.2
04/23/2014 1:51:00 AM	6.65	41.6
04/23/2014 1:52:00 AM	6.51	47.2
04/23/2014 1:57:00 AM	6.89	43.3
04/23/2014 1:58:00 AM	6.46	42.8
04/23/2014 1:59:00 AM	6.05	47.1
04/23/2014 2:00:00 AM	7.06	49.0
04/23/2014 2:01:00 AM	7.44	48.2
04/23/2014 2:03:00 AM	6.80	47.0
04/23/2014 2:04:00 AM	7.46	44.5
04/23/2014 2:05:00 AM	6.78	45.0
04/23/2014 2:06:00 AM	6.98	43.3
04/23/2014 2:07:00 AM	7.00	41.3
04/23/2014 2:08:00 AM	6.06	41.3
04/23/2014 2:09:00 AM	6.07	46.1
04/23/2014 2:10:00 AM	6.39	41.8
04/23/2014 2:11:00 AM	6.50	38.8
04/23/2014 2:12:00 AM	5.87	39.9
04/23/2014 2:13:00 AM	5.58	45.0
04/23/2014 2:14:00 AM	6.25	45.5
04/23/2014 2:15:00 AM	7.33	43.7
04/23/2014 2:16:00 AM	6.56	43.3
04/23/2014 2:17:00 AM	6.50	43.8
04/23/2014 2:19:00 AM	7.11	40.7
04/23/2014 2:20:00 AM	5.97	46.8
04/23/2014 2:21:00 AM	7.12	47.7
04/23/2014 2:22:00 AM	7.19	48.6
04/23/2014 2:23:00 AM	7.47	46.8
04/23/2014 2:27:00 AM	6.53	42.1
04/23/2014 2:28:00 AM	5.77	44.2
04/23/2014 2:29:00 AM	6.68	48.8
04/23/2014 2:30:00 AM	7.36	43.6
04/23/2014 2:31:00 AM	6.96	44.7
04/23/2014 2:32:00 AM	6.50	45.4
04/23/2014 2:33:00 AM	7.06	41.1
04/23/2014 2:34:00 AM	6.32	44.0
04/23/2014 2:35:00 AM	6.15	45.5
04/23/2014 2:36:00 AM	7.20	43.8
04/23/2014 2:37:00 AM	6.56	49.5
04/23/2014 2:38:00 AM	6.80	51.3
04/23/2014 2:41:00 AM	6.83	42.2
04/23/2014 2:42:00 AM	5.16	46.8
04/23/2014 2:43:00 AM	6.98	47.1
04/23/2014 2:44:00 AM	7.13	44.2
04/23/2014 2:45:00 AM	6.84	41.4
04/23/2014 2:46:00 AM	5.56	43.2
04/23/2014 2:47:00 AM	6.51	43.0
04/23/2014 2:48:00 AM	6.19	43.5
04/23/2014 2:49:00 AM	6.42	45.3

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/23/2014 2:50:00 AM	7.09	42.4
04/23/2014 2:51:00 AM	6.61	39.2
04/23/2014 2:52:00 AM	5.75	45.3
04/23/2014 2:53:00 AM	6.71	48.4
04/23/2014 2:54:00 AM	6.60	51.2
04/23/2014 2:57:00 AM	6.27	48.5
04/23/2014 2:58:00 AM	7.46	44.5
04/23/2014 2:59:00 AM	6.87	46.1
04/23/2014 3:00:00 AM	6.59	41.6
04/23/2014 3:01:00 AM	5.94	42.3
04/23/2014 3:02:00 AM	5.94	42.3
04/23/2014 3:03:00 AM	6.29	46.5
04/23/2014 3:04:00 AM	5.84	46.5
04/23/2014 3:05:00 AM	7.35	40.8
04/23/2014 3:06:00 AM	6.13	44.6
04/23/2014 3:07:00 AM	5.97	43.8
04/23/2014 3:08:00 AM	6.77	41.1
04/23/2014 3:09:00 AM	6.07	40.1
04/23/2014 3:10:00 AM	5.80	37.6
04/23/2014 3:11:00 AM	5.05	46.3
04/23/2014 3:12:00 AM	6.10	45.8
04/23/2014 3:13:00 AM	7.10	45.5
04/23/2014 3:14:00 AM	6.51	42.4
04/23/2014 3:15:00 AM	6.14	41.5
04/23/2014 3:16:00 AM	5.41	46.3
04/23/2014 3:17:00 AM	6.96	44.9
04/23/2014 3:18:00 AM	6.56	46.0
04/23/2014 3:19:00 AM	6.81	45.2
04/23/2014 3:20:00 AM	6.62	42.2
04/23/2014 3:21:00 AM	6.30	39.5
04/23/2014 3:22:00 AM	5.80	35.2
04/23/2014 3:23:00 AM	5.30	37.7
04/23/2014 3:24:00 AM	4.27	41.7
04/23/2014 3:25:00 AM	6.08	37.9
04/23/2014 3:26:00 AM	5.38	40.7
04/23/2014 3:27:00 AM	5.55	40.0
04/23/2014 3:28:00 AM	6.00	38.0
04/23/2014 3:29:00 AM	5.49	38.8
04/23/2014 3:30:00 AM	5.42	35.8
04/23/2014 3:31:00 AM	5.31	40.8
04/23/2014 3:32:00 AM	5.40	40.4
04/23/2014 3:33:00 AM	6.04	38.0
04/23/2014 3:34:00 AM	5.20	38.0
04/23/2014 3:35:00 AM	5.11	41.6
04/23/2014 3:36:00 AM	5.80	36.6
04/23/2014 3:37:00 AM	5.37	36.4
04/23/2014 3:38:00 AM	5.03	45.5
04/23/2014 3:39:00 AM	5.89	45.5
04/23/2014 3:40:00 AM	6.87	40.2

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed (1 Minute Average)	Measured Leq (dBA)
04/23/2014 3:41:00 AM	5.48	38.7
04/23/2014 3:42:00 AM	5.46	46.5
04/23/2014 3:43:00 AM	6.22	44.2
04/23/2014 3:44:00 AM	6.08	36.1
04/23/2014 3:45:00 AM	5.28	35.0
04/23/2014 3:46:00 AM	4.95	43.4
04/23/2014 3:47:00 AM	4.91	43.5
04/23/2014 3:48:00 AM	6.27	42.3
04/23/2014 3:49:00 AM	6.20	36.9
04/23/2014 3:50:00 AM	5.31	36.7
04/23/2014 3:51:00 AM	5.23	31.6
04/23/2014 3:52:00 AM	4.59	43.9
04/23/2014 3:53:00 AM	5.76	46.0
04/23/2014 3:54:00 AM	6.91	42.7
04/23/2014 3:55:00 AM	6.35	40.5
04/23/2014 3:56:00 AM	5.71	47.8
04/23/2014 3:59:00 AM	6.88	39.5
04/23/2014 4:00:00 AM	5.96	45.4
04/23/2014 4:02:00 AM	6.56	44.3
04/23/2014 4:03:00 AM	6.15	42.0
04/23/2014 4:04:00 AM	5.88	47.0
04/23/2014 4:06:00 AM	5.58	40.5
04/23/2014 4:08:00 AM	5.95	47.2
04/23/2014 4:09:00 AM	6.20	42.6
04/23/2014 4:10:00 AM	5.73	36.7
04/23/2014 4:11:00 AM	4.78	35.2
04/23/2014 4:12:00 AM	4.67	42.8
04/23/2014 4:13:00 AM	6.06	48.9
04/23/2014 4:14:00 AM	7.13	42.1
04/23/2014 4:16:00 AM	6.75	46.6
04/23/2014 4:17:00 AM	6.50	45.7
04/23/2014 4:19:00 AM	7.43	43.8
04/23/2014 4:20:00 AM	6.60	46.1
04/23/2014 4:21:00 AM	6.90	44.6
04/23/2014 4:23:00 AM	7.48	49.9
04/23/2014 4:25:00 AM	6.87	50.6
04/23/2014 4:27:00 AM	7.33	46.7
04/23/2014 4:28:00 AM	7.37	47.7
04/23/2014 4:29:00 AM	6.98	47.5
04/23/2014 4:30:00 AM	6.94	49.5
04/23/2014 4:31:00 AM	7.18	49.9
04/23/2014 4:33:00 AM	7.32	42.2
04/23/2014 4:34:00 AM	6.03	45.1
04/23/2014 4:35:00 AM	6.52	48.0
04/23/2014 4:36:00 AM	6.93	45.7
04/23/2014 4:37:00 AM	6.71	42.2
04/23/2014 4:38:00 AM	5.77	41.0
04/23/2014 4:39:00 AM	6.08	40.6
04/23/2014 4:40:00 AM	5.57	47.5

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/23/2014 4:41:00 AM	6.13	47.2
04/23/2014 4:42:00 AM	5.49	42.8
04/23/2014 4:43:00 AM	6.30	42.8
04/23/2014 4:44:00 AM	6.47	46.4
04/23/2014 4:45:00 AM	5.94	47.5
04/23/2014 4:46:00 AM	6.32	46.8
04/23/2014 4:47:00 AM	6.85	48.2
04/23/2014 4:48:00 AM	6.43	43.4
04/23/2014 4:49:00 AM	6.42	40.5
04/23/2014 4:50:00 AM	5.59	47.3
04/23/2014 4:51:00 AM	5.98	46.9
04/23/2014 4:52:00 AM	6.95	50.2
04/23/2014 4:53:00 AM	7.37	47.8
04/23/2014 4:55:00 AM	7.07	51.2
04/25/2014 10:00:00 PM	5.32	41.1
04/25/2014 10:01:00 PM	5.06	41.3
04/25/2014 10:02:00 PM	5.34	44.0
04/25/2014 10:03:00 PM	5.37	44.3
04/25/2014 10:04:00 PM	5.61	42.9
04/25/2014 10:05:00 PM	5.94	40.6
04/25/2014 10:06:00 PM	4.89	43.8
04/25/2014 10:07:00 PM	5.66	44.4
04/25/2014 10:08:00 PM	5.63	44.3
04/25/2014 10:09:00 PM	5.93	43.3
04/25/2014 10:10:00 PM	5.57	40.6
04/25/2014 10:12:00 PM	5.01	41.2
04/25/2014 10:13:00 PM	4.87	43.3
04/25/2014 10:14:00 PM	5.41	45.9
04/25/2014 10:15:00 PM	5.61	43.3
04/25/2014 10:16:00 PM	4.74	40.1
04/25/2014 10:17:00 PM	5.45	43.1
04/25/2014 10:18:00 PM	4.89	39.0
04/25/2014 10:19:00 PM	5.14	35.0
04/25/2014 10:20:00 PM	4.91	33.5
04/25/2014 10:21:00 PM	4.80	37.6
04/25/2014 10:22:00 PM	5.34	35.9
04/25/2014 10:23:00 PM	4.98	37.1
04/25/2014 10:24:00 PM	5.39	37.8
04/25/2014 10:25:00 PM	4.94	35.8
04/25/2014 10:26:00 PM	5.27	38.4
04/25/2014 10:27:00 PM	5.12	44.0
04/25/2014 10:28:00 PM	5.34	36.3
04/25/2014 10:29:00 PM	5.53	36.3
04/25/2014 10:30:00 PM	5.18	37.7
04/25/2014 10:31:00 PM	5.21	43.7
04/25/2014 10:32:00 PM	6.73	36.1
04/25/2014 10:33:00 PM	5.35	39.2
04/25/2014 10:34:00 PM	5.73	37.5
04/25/2014 10:35:00 PM	5.39	35.7

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/25/2014 10:36:00 PM	4.85	39.3
04/25/2014 10:37:00 PM	5.79	34.7
04/25/2014 10:38:00 PM	5.31	33.0
04/25/2014 10:39:00 PM	4.79	34.2
04/25/2014 10:40:00 PM	5.08	34.9
04/25/2014 10:41:00 PM	5.17	39.8
04/25/2014 10:42:00 PM	5.55	37.0
04/25/2014 10:43:00 PM	4.73	44.3
04/25/2014 10:44:00 PM	5.73	37.0
04/25/2014 10:45:00 PM	5.32	38.5
04/25/2014 10:46:00 PM	5.00	31.6
04/25/2014 10:47:00 PM	3.92	30.3
04/25/2014 10:48:00 PM	4.21	29.6
04/25/2014 10:49:00 PM	4.20	30.0
04/25/2014 10:50:00 PM	4.21	39.1
04/25/2014 10:51:00 PM	3.95	40.7
04/25/2014 10:52:00 PM	4.38	34.3
04/25/2014 10:53:00 PM	4.32	34.5
04/25/2014 10:54:00 PM	4.80	36.3
04/25/2014 10:55:00 PM	4.95	45.9
04/25/2014 10:56:00 PM	4.06	38.1
04/25/2014 10:57:00 PM	4.02	33.6
04/25/2014 10:58:00 PM	4.41	31.1
04/25/2014 10:59:00 PM	4.51	30.9
04/25/2014 11:00:00 PM	4.13	31.3
04/25/2014 11:01:00 PM	4.47	30.7
04/25/2014 11:02:00 PM	4.29	33.5
04/25/2014 11:03:00 PM	4.78	30.9
04/25/2014 11:04:00 PM	4.69	30.7
04/25/2014 11:05:00 PM	4.26	33.8
04/25/2014 11:06:00 PM	5.04	35.8
04/25/2014 11:07:00 PM	4.59	43.1
04/25/2014 11:08:00 PM	4.11	32.3
04/25/2014 11:09:00 PM	4.46	33.3
04/25/2014 11:10:00 PM	4.23	35.6
04/25/2014 11:11:00 PM	4.68	33.1
04/25/2014 11:12:00 PM	4.34	31.3
04/25/2014 11:13:00 PM	4.11	38.6
04/25/2014 11:14:00 PM	4.08	43.8
04/25/2014 11:15:00 PM	4.11	36.8
04/25/2014 11:16:00 PM	4.58	32.7
04/25/2014 11:17:00 PM	4.31	33.1
04/25/2014 11:18:00 PM	4.65	36.1
04/25/2014 11:19:00 PM	4.59	43.5
04/25/2014 11:20:00 PM	4.02	33.5
04/25/2014 11:21:00 PM	4.00	32.5
04/25/2014 11:22:00 PM	4.23	32.5
04/25/2014 11:23:00 PM	4.45	32.1
04/25/2014 11:24:00 PM	4.29	44.9

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/25/2014 11:25:00 PM	3.93	36.7
04/25/2014 11:26:00 PM	3.81	33.9
04/25/2014 11:27:00 PM	4.59	42.1
04/25/2014 11:28:00 PM	4.16	32.8
04/25/2014 11:29:00 PM	3.86	44.3
04/25/2014 11:30:00 PM	3.97	37.1
04/25/2014 11:31:00 PM	4.82	32.2
04/25/2014 11:32:00 PM	4.49	32.9
04/25/2014 11:33:00 PM	4.42	30.1
04/25/2014 11:34:00 PM	4.29	30.7
04/25/2014 11:35:00 PM	3.94	28.5
04/25/2014 11:36:00 PM	3.78	30.6
04/25/2014 11:37:00 PM	4.52	34.6
04/25/2014 11:38:00 PM	5.02	41.0
04/25/2014 11:39:00 PM	4.72	31.8
04/25/2014 11:40:00 PM	4.35	32.6
04/25/2014 11:41:00 PM	4.26	45.3
04/25/2014 11:42:00 PM	4.52	33.5
04/25/2014 11:43:00 PM	3.80	32.1
04/25/2014 11:44:00 PM	4.52	28.2
04/25/2014 11:45:00 PM	3.68	30.0
04/25/2014 11:46:00 PM	4.11	29.3
04/25/2014 11:47:00 PM	4.56	28.0
04/25/2014 11:48:00 PM	3.89	28.4
04/25/2014 11:49:00 PM	3.94	26.4
04/25/2014 11:50:00 PM	3.77	31.9
04/25/2014 11:51:00 PM	3.89	33.3
04/25/2014 11:52:00 PM	3.74	42.8
04/25/2014 11:53:00 PM	4.23	34.0
04/25/2014 11:54:00 PM	3.78	45.4
04/25/2014 11:55:00 PM	4.35	33.3
04/25/2014 11:56:00 PM	4.30	30.4
04/25/2014 11:57:00 PM	3.73	33.7
04/25/2014 11:58:00 PM	3.66	41.4
04/25/2014 11:59:00 PM	3.90	43.4
04/26/2014 12:00:00 AM	3.77	30.8
04/26/2014 12:01:00 AM	4.25	29.1
04/26/2014 12:02:00 AM	4.07	30.4
04/26/2014 12:03:00 AM	3.74	33.6
04/26/2014 12:06:00 AM	3.53	25.7
04/26/2014 12:07:00 AM	3.53	27.7
04/26/2014 12:08:00 AM	3.67	39.8
04/26/2014 12:10:00 AM	3.64	31.7
04/26/2014 12:13:00 AM	3.68	22.9
04/26/2014 12:23:00 AM	3.61	24.3
04/26/2014 12:31:00 AM	3.73	27.1
04/26/2014 12:32:00 AM	3.90	26.6
04/26/2014 12:33:00 AM	4.06	27.3
04/26/2014 12:34:00 AM	4.11	27.0

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/26/2014 12:35:00 AM	4.30	26.9
04/26/2014 12:36:00 AM	4.26	26.5
04/26/2014 12:37:00 AM	4.32	29.5
04/26/2014 12:38:00 AM	4.02	27.2
04/26/2014 12:39:00 AM	4.25	27.6
04/26/2014 12:40:00 AM	4.43	26.7
04/26/2014 12:41:00 AM	4.23	39.8
04/26/2014 12:42:00 AM	4.30	42.2
04/26/2014 12:43:00 AM	4.03	34.8
04/26/2014 12:44:00 AM	4.21	31.3
04/26/2014 12:45:00 AM	4.09	28.6
04/26/2014 12:46:00 AM	3.97	37.2
04/26/2014 12:47:00 AM	4.00	40.2
04/26/2014 12:48:00 AM	4.24	27.9
04/26/2014 12:49:00 AM	4.35	27.8
04/26/2014 12:50:00 AM	4.29	28.6
04/26/2014 12:51:00 AM	4.27	27.8
04/26/2014 12:52:00 AM	4.48	28.2
04/26/2014 12:53:00 AM	4.14	29.4
04/26/2014 12:54:00 AM	4.25	35.2
04/26/2014 12:55:00 AM	4.07	38.8
04/26/2014 12:56:00 AM	4.01	40.0
04/26/2014 12:57:00 AM	3.97	39.7
04/26/2014 12:58:00 AM	3.94	27.0
04/26/2014 12:59:00 AM	3.81	26.3
04/26/2014 1:00:00 AM	3.70	26.8
04/26/2014 1:01:00 AM	3.83	25.9
04/26/2014 1:02:00 AM	3.83	24.6
04/26/2014 1:03:00 AM	3.55	27.0
04/26/2014 1:04:00 AM	3.84	27.3
04/26/2014 1:05:00 AM	4.16	27.3
04/26/2014 1:06:00 AM	4.06	26.4
04/26/2014 1:07:00 AM	3.96	26.4
04/26/2014 1:08:00 AM	3.85	26.3
04/26/2014 1:09:00 AM	3.98	27.9
04/26/2014 1:10:00 AM	3.63	43.1
04/26/2014 1:11:00 AM	3.60	31.5
04/26/2014 1:12:00 AM	3.75	29.0
04/26/2014 1:13:00 AM	3.81	28.3
04/26/2014 1:14:00 AM	3.85	28.2
04/26/2014 1:15:00 AM	3.91	31.5
04/26/2014 1:16:00 AM	3.96	43.7
04/26/2014 1:17:00 AM	3.79	37.0
04/26/2014 1:18:00 AM	3.91	26.6
04/26/2014 1:19:00 AM	3.73	35.8
04/26/2014 1:20:00 AM	4.03	35.1
04/26/2014 1:21:00 AM	4.00	27.1
04/26/2014 1:22:00 AM	3.87	25.6
04/26/2014 1:23:00 AM	3.64	26.9

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/26/2014 1:24:00 AM	4.02	27.9
04/26/2014 1:25:00 AM	4.00	34.9
04/26/2014 1:26:00 AM	3.72	25.7
04/26/2014 1:27:00 AM	3.52	25.4
04/26/2014 1:29:00 AM	3.51	28.7
04/26/2014 1:30:00 AM	3.56	25.1
04/26/2014 1:31:00 AM	3.74	24.1
04/26/2014 1:33:00 AM	3.51	30.0
04/26/2014 1:34:00 AM	3.58	24.3
04/26/2014 2:26:00 AM	4.12	27.5
04/26/2014 2:27:00 AM	4.11	26.3
04/26/2014 2:28:00 AM	3.84	26.7
04/26/2014 2:29:00 AM	3.67	27.3
04/26/2014 2:30:00 AM	3.85	26.4
04/26/2014 2:31:00 AM	3.83	29.1
04/26/2014 2:32:00 AM	3.69	28.3
04/26/2014 2:33:00 AM	4.01	40.6
04/26/2014 2:34:00 AM	4.23	28.8
04/26/2014 2:35:00 AM	3.66	25.3
04/26/2014 2:38:00 AM	3.59	29.0
04/26/2014 2:39:00 AM	3.52	25.9
04/26/2014 2:40:00 AM	3.52	28.0
04/26/2014 2:41:00 AM	3.73	28.7
04/26/2014 2:42:00 AM	3.68	31.8
04/26/2014 2:43:00 AM	3.92	38.5
04/26/2014 2:44:00 AM	4.00	39.6
04/26/2014 2:45:00 AM	3.92	31.0
04/26/2014 2:46:00 AM	4.01	31.6
04/26/2014 2:47:00 AM	3.96	35.9
04/26/2014 2:48:00 AM	4.66	33.8
04/26/2014 2:49:00 AM	4.52	31.0
04/26/2014 2:50:00 AM	4.08	31.4
04/26/2014 2:51:00 AM	4.17	31.0
04/26/2014 2:52:00 AM	4.12	38.2
04/26/2014 2:53:00 AM	4.08	28.5
04/26/2014 2:54:00 AM	3.62	38.5
04/26/2014 2:55:00 AM	3.95	29.0
04/26/2014 2:56:00 AM	4.00	28.6
04/26/2014 2:57:00 AM	4.08	25.5
04/26/2014 2:58:00 AM	3.74	25.8
04/26/2014 2:59:00 AM	3.54	26.5
04/26/2014 3:00:00 AM	3.58	28.4
04/26/2014 3:01:00 AM	3.72	28.0
04/26/2014 3:02:00 AM	3.70	25.7
04/26/2014 3:05:00 AM	3.68	28.9
04/26/2014 3:06:00 AM	3.73	25.6
04/26/2014 3:09:00 AM	3.64	30.9
04/26/2014 3:10:00 AM	3.77	37.6
04/26/2014 3:11:00 AM	3.85	35.6

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed (1 Minute Average)	Measured Leq (dBA)
04/26/2014 3:12:00 AM	3.82	32.0
04/26/2014 3:13:00 AM	3.83	32.1
04/26/2014 3:14:00 AM	4.21	31.9
04/26/2014 3:15:00 AM	4.21	26.6
04/26/2014 3:16:00 AM	3.55	25.4
04/26/2014 3:21:00 AM	3.53	31.1
04/26/2014 3:22:00 AM	4.02	35.7
04/26/2014 3:23:00 AM	4.63	28.4
04/26/2014 3:24:00 AM	3.82	31.3
04/26/2014 3:25:00 AM	3.95	38.3
04/26/2014 3:26:00 AM	4.88	33.1
04/26/2014 3:27:00 AM	4.43	29.1
04/26/2014 3:28:00 AM	3.95	34.7
04/26/2014 3:29:00 AM	4.13	34.0
04/26/2014 3:30:00 AM	4.79	30.3
04/26/2014 3:31:00 AM	4.17	29.0
04/26/2014 3:32:00 AM	3.76	30.4
04/26/2014 3:33:00 AM	3.90	37.3
04/26/2014 3:34:00 AM	4.66	30.3
04/26/2014 3:35:00 AM	4.37	31.1
04/26/2014 3:36:00 AM	4.32	35.4
04/26/2014 3:37:00 AM	3.90	40.1
04/26/2014 3:38:00 AM	3.99	29.8
04/26/2014 3:39:00 AM	3.55	32.0
04/26/2014 3:42:00 AM	4.26	28.1
04/26/2014 3:43:00 AM	4.15	28.9
04/26/2014 3:44:00 AM	4.18	30.5
04/26/2014 3:45:00 AM	3.95	32.0
04/26/2014 4:05:00 AM	4.09	38.8
04/26/2014 4:06:00 AM	4.24	37.1
04/26/2014 4:07:00 AM	4.23	43.5
04/26/2014 4:08:00 AM	3.92	34.5
04/26/2014 4:09:00 AM	4.01	27.2
04/26/2014 4:11:00 AM	3.82	27.1
04/26/2014 4:12:00 AM	3.59	26.3
04/26/2014 4:13:00 AM	3.56	26.2
04/26/2014 4:15:00 AM	3.79	30.7
04/26/2014 4:16:00 AM	4.08	26.4
04/26/2014 4:17:00 AM	3.53	30.9
04/26/2014 4:18:00 AM	3.87	33.5
04/26/2014 4:19:00 AM	4.46	35.6
04/26/2014 4:20:00 AM	4.38	45.3
04/26/2014 4:21:00 AM	3.90	40.8
04/26/2014 4:22:00 AM	4.34	35.5
04/26/2014 4:23:00 AM	4.06	32.4
04/26/2014 4:24:00 AM	4.40	31.2
04/26/2014 4:25:00 AM	4.26	29.7
04/26/2014 4:26:00 AM	3.99	31.1
04/26/2014 4:27:00 AM	3.85	33.6

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/26/2014 4:28:00 AM	4.37	30.3
04/26/2014 4:29:00 AM	4.40	29.9
04/26/2014 4:30:00 AM	4.08	28.3
04/26/2014 4:32:00 AM	3.89	28.7
04/26/2014 4:33:00 AM	3.85	27.9
04/26/2014 4:34:00 AM	3.62	26.6
04/26/2014 4:35:00 AM	3.51	27.8
04/26/2014 4:37:00 AM	3.67	41.3
04/26/2014 4:42:00 AM	3.71	28.4
04/26/2014 4:43:00 AM	3.62	32.0
04/26/2014 4:44:00 AM	3.84	39.7
04/26/2014 4:45:00 AM	3.72	31.2
04/26/2014 4:46:00 AM	3.65	36.3
04/26/2014 4:47:00 AM	4.02	43.9
04/26/2014 4:49:00 AM	4.06	29.4
04/26/2014 4:50:00 AM	3.92	25.6
04/26/2014 4:53:00 AM	3.57	27.2
04/26/2014 10:00:00 PM	5.72	38.0
04/26/2014 10:01:00 PM	4.75	41.3
04/26/2014 10:02:00 PM	5.52	45.9
04/26/2014 10:04:00 PM	5.58	42.8
04/26/2014 10:05:00 PM	5.01	41.3
04/26/2014 10:06:00 PM	5.49	35.7
04/26/2014 10:07:00 PM	4.80	39.4
04/26/2014 10:08:00 PM	4.59	38.1
04/26/2014 10:09:00 PM	4.64	43.9
04/26/2014 10:10:00 PM	4.86	40.6
04/26/2014 10:11:00 PM	5.21	39.0
04/26/2014 10:12:00 PM	4.34	41.3
04/26/2014 10:13:00 PM	4.09	33.5
04/26/2014 10:14:00 PM	4.41	30.6
04/26/2014 10:15:00 PM	3.94	26.8
04/26/2014 10:16:00 PM	3.65	37.8
04/26/2014 10:24:00 PM	3.53	25.1
04/26/2014 10:28:00 PM	3.60	42.4
04/26/2014 10:31:00 PM	4.01	44.7
04/26/2014 10:32:00 PM	4.29	37.0
04/26/2014 10:33:00 PM	4.37	42.3
04/26/2014 10:34:00 PM	5.06	46.1
04/26/2014 10:35:00 PM	4.26	43.5
04/26/2014 10:36:00 PM	3.80	33.0
04/26/2014 10:37:00 PM	3.81	34.9
04/26/2014 10:38:00 PM	4.03	42.5
04/26/2014 10:39:00 PM	4.73	34.9
04/26/2014 10:40:00 PM	4.33	31.4
04/26/2014 10:41:00 PM	4.08	34.4
04/26/2014 10:42:00 PM	4.30	34.0
04/26/2014 10:43:00 PM	4.38	25.9
04/26/2014 10:44:00 PM	3.55	30.2

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/26/2014 10:45:00 PM	3.66	32.0
04/26/2014 10:46:00 PM	4.35	32.7
04/26/2014 10:47:00 PM	4.17	32.4
04/26/2014 10:48:00 PM	3.59	42.2
04/26/2014 10:49:00 PM	5.77	43.8
04/26/2014 10:51:00 PM	4.48	39.1
04/26/2014 10:52:00 PM	4.97	35.9
04/26/2014 10:54:00 PM	4.54	35.1
04/26/2014 10:55:00 PM	4.44	39.6
04/26/2014 10:56:00 PM	4.65	39.2
04/26/2014 10:57:00 PM	4.99	40.8
04/26/2014 10:58:00 PM	5.13	36.6
04/26/2014 10:59:00 PM	4.99	41.2
04/26/2014 11:01:00 PM	5.23	40.4
04/26/2014 11:02:00 PM	5.46	36.5
04/26/2014 11:03:00 PM	4.71	45.2
04/26/2014 11:04:00 PM	5.04	38.2
04/26/2014 11:05:00 PM	5.02	41.8
04/26/2014 11:07:00 PM	4.68	36.0
04/26/2014 11:08:00 PM	4.55	38.0
04/26/2014 11:09:00 PM	4.80	42.2
04/26/2014 11:10:00 PM	5.41	37.7
04/26/2014 11:11:00 PM	4.99	37.3
04/26/2014 11:12:00 PM	4.97	39.4
04/26/2014 11:13:00 PM	5.30	42.2
04/26/2014 11:14:00 PM	4.73	40.4
04/26/2014 11:15:00 PM	5.24	35.4
04/26/2014 11:16:00 PM	4.99	44.9
04/26/2014 11:17:00 PM	4.32	34.7
04/26/2014 11:18:00 PM	4.93	43.3
04/26/2014 11:19:00 PM	4.16	35.9
04/26/2014 11:20:00 PM	3.91	34.2
04/26/2014 11:21:00 PM	4.32	30.9
04/26/2014 11:22:00 PM	4.01	32.8
04/26/2014 11:23:00 PM	3.87	35.6
04/26/2014 11:24:00 PM	4.15	36.6
04/26/2014 11:25:00 PM	4.28	39.8
04/26/2014 11:26:00 PM	5.36	37.6
04/26/2014 11:27:00 PM	4.96	35.1
04/26/2014 11:28:00 PM	4.53	32.6
04/26/2014 11:29:00 PM	4.07	47.5
04/26/2014 11:30:00 PM	4.39	36.4
04/26/2014 11:31:00 PM	4.80	38.3
04/26/2014 11:32:00 PM	4.47	45.6
04/26/2014 11:33:00 PM	5.76	44.7
04/26/2014 11:34:00 PM	6.16	46.3
04/26/2014 11:35:00 PM	5.32	42.6
04/26/2014 11:36:00 PM	5.49	41.0
04/26/2014 11:37:00 PM	5.44	44.8

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/26/2014 11:39:00 PM	4.65	44.7
04/26/2014 11:40:00 PM	5.77	42.2
04/26/2014 11:41:00 PM	5.79	42.6
04/26/2014 11:42:00 PM	5.63	38.1
04/26/2014 11:43:00 PM	5.23	41.5
04/26/2014 11:44:00 PM	5.26	37.6
04/26/2014 11:45:00 PM	4.93	39.2
04/26/2014 11:46:00 PM	5.00	38.9
04/26/2014 11:47:00 PM	4.92	42.9
04/26/2014 11:48:00 PM	4.48	40.6
04/26/2014 11:49:00 PM	4.17	35.7
04/26/2014 11:50:00 PM	4.69	34.6
04/26/2014 11:51:00 PM	4.58	34.1
04/26/2014 11:52:00 PM	4.10	32.3
04/26/2014 11:53:00 PM	3.93	44.3
04/26/2014 11:54:00 PM	3.82	34.7
04/26/2014 11:55:00 PM	4.50	45.2
04/26/2014 11:56:00 PM	4.47	34.4
04/26/2014 11:57:00 PM	4.16	33.2
04/26/2014 11:58:00 PM	4.25	34.1
04/26/2014 11:59:00 PM	4.50	32.5
04/27/2014 12:01:00 AM	3.92	33.7
04/27/2014 12:02:00 AM	4.08	33.2
04/27/2014 12:03:00 AM	4.16	39.3
04/27/2014 12:04:00 AM	4.22	42.8
04/27/2014 12:05:00 AM	4.55	34.7
04/27/2014 12:06:00 AM	4.30	31.0
04/27/2014 12:07:00 AM	3.84	32.9
04/27/2014 12:08:00 AM	4.32	33.7
04/27/2014 12:09:00 AM	4.38	43.6
04/27/2014 12:10:00 AM	4.45	32.4
04/27/2014 12:11:00 AM	3.92	31.1
04/27/2014 12:12:00 AM	3.95	45.0
04/27/2014 12:13:00 AM	4.10	38.6
04/27/2014 12:14:00 AM	4.21	32.6
04/27/2014 12:15:00 AM	4.33	31.3
04/27/2014 12:16:00 AM	3.90	29.8
04/27/2014 12:17:00 AM	3.65	30.8
04/27/2014 12:18:00 AM	3.63	35.2
04/27/2014 12:19:00 AM	4.09	41.2
04/27/2014 12:21:00 AM	4.12	44.6
04/27/2014 12:22:00 AM	4.29	38.2
04/27/2014 12:23:00 AM	4.79	35.3
04/27/2014 12:24:00 AM	4.55	33.3
04/27/2014 12:25:00 AM	4.17	33.3
04/27/2014 12:26:00 AM	4.11	34.8
04/27/2014 12:27:00 AM	4.45	35.5
04/27/2014 12:28:00 AM	4.51	36.8
04/27/2014 12:29:00 AM	4.60	39.9

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/27/2014 12:30:00 AM	5.25	37.2
04/27/2014 12:31:00 AM	4.82	43.1
04/27/2014 12:32:00 AM	3.96	37.4
04/27/2014 12:33:00 AM	3.69	30.6
04/27/2014 12:34:00 AM	3.54	31.3
04/27/2014 12:35:00 AM	3.86	21.0
04/29/2014 10:03:00 PM	3.76	42.2
04/29/2014 10:15:00 PM	3.78	45.0
04/29/2014 10:18:00 PM	3.56	43.1
04/29/2014 10:29:00 PM	3.74	43.4
04/29/2014 10:30:00 PM	3.54	41.7
04/29/2014 10:31:00 PM	3.51	41.9
04/29/2014 10:40:00 PM	3.59	40.9
04/29/2014 10:42:00 PM	3.75	40.8
04/29/2014 10:44:00 PM	4.04	42.6
04/29/2014 10:45:00 PM	4.34	44.4
04/29/2014 10:46:00 PM	4.06	39.7
04/29/2014 11:01:00 PM	3.64	39.9
04/29/2014 11:03:00 PM	3.73	40.3
04/29/2014 11:04:00 PM	3.64	44.7
04/29/2014 11:07:00 PM	3.80	44.3
04/29/2014 11:08:00 PM	4.30	40.4
04/29/2014 11:09:00 PM	3.79	39.9
04/29/2014 11:10:00 PM	4.37	40.1
04/29/2014 11:11:00 PM	4.19	39.5
04/29/2014 11:12:00 PM	3.87	39.5
04/29/2014 11:15:00 PM	3.68	39.8
04/29/2014 11:20:00 PM	3.53	41.0
04/29/2014 11:23:00 PM	3.59	44.8
04/29/2014 11:24:00 PM	3.62	40.1
04/29/2014 11:44:00 PM	4.03	42.6
04/29/2014 11:45:00 PM	3.88	45.1
04/29/2014 11:46:00 PM	4.05	41.8
04/29/2014 11:47:00 PM	4.38	42.1
04/29/2014 11:48:00 PM	4.78	42.0
04/29/2014 11:49:00 PM	5.34	42.6
04/29/2014 11:51:00 PM	5.04	44.9
04/29/2014 11:53:00 PM	5.80	45.3
04/29/2014 11:54:00 PM	5.48	42.9
04/29/2014 11:55:00 PM	5.38	42.7
04/29/2014 11:56:00 PM	5.25	42.5
04/29/2014 11:57:00 PM	4.96	42.2
04/29/2014 11:58:00 PM	4.82	45.8
04/29/2014 11:59:00 PM	4.95	44.1
04/30/2014 12:01:00 AM	5.61	42.7
04/30/2014 12:02:00 AM	5.45	42.4
04/30/2014 12:03:00 AM	4.77	43.4
04/30/2014 12:04:00 AM	5.51	42.7
04/30/2014 12:05:00 AM	5.43	42.4

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
04/30/2014 12:06:00 AM	5.16	45.6
04/30/2014 12:07:00 AM	4.90	42.5
04/30/2014 12:08:00 AM	4.71	45.6
04/30/2014 12:09:00 AM	4.30	42.3
04/30/2014 12:10:00 AM	4.74	45.0
04/30/2014 12:12:00 AM	3.93	41.5
04/30/2014 12:13:00 AM	4.07	41.1
04/30/2014 12:14:00 AM	4.27	41.5
04/30/2014 12:15:00 AM	4.58	41.6
04/30/2014 12:16:00 AM	4.38	42.5
04/30/2014 12:17:00 AM	4.49	41.9
04/30/2014 12:18:00 AM	4.33	41.3
04/30/2014 12:19:00 AM	4.27	41.3
04/30/2014 12:20:00 AM	4.51	41.8
04/30/2014 12:21:00 AM	4.04	42.1
04/30/2014 12:22:00 AM	4.45	40.8
04/30/2014 12:23:00 AM	4.14	44.7
04/30/2014 12:24:00 AM	3.81	40.9
04/30/2014 12:25:00 AM	4.15	41.5
04/30/2014 12:26:00 AM	3.54	40.5
04/30/2014 12:27:00 AM	3.62	40.7
04/30/2014 12:28:00 AM	3.95	40.3
04/30/2014 12:29:00 AM	3.59	44.3
04/30/2014 12:30:00 AM	3.71	41.6
04/30/2014 12:32:00 AM	4.52	41.3
04/30/2014 12:33:00 AM	4.09	40.4
04/30/2014 12:34:00 AM	3.78	40.7
04/30/2014 12:35:00 AM	3.96	40.5
04/30/2014 12:36:00 AM	3.90	44.2
04/30/2014 12:46:00 AM	3.60	39.8
04/30/2014 12:53:00 AM	3.60	39.7
04/30/2014 1:22:00 AM	3.96	40.9
04/30/2014 1:23:00 AM	3.79	39.3
04/30/2014 1:24:00 AM	4.26	42.6
04/30/2014 1:25:00 AM	3.82	42.0
04/30/2014 1:26:00 AM	4.02	39.2
04/30/2014 1:28:00 AM	3.75	39.3
04/30/2014 1:29:00 AM	4.15	39.7
04/30/2014 1:30:00 AM	4.45	39.4
04/30/2014 1:31:00 AM	3.79	39.2
04/30/2014 1:32:00 AM	3.58	38.9
04/30/2014 1:33:00 AM	3.99	39.2
04/30/2014 1:37:00 AM	3.77	38.8
04/30/2014 1:46:00 AM	3.61	43.5
04/30/2014 1:53:00 AM	3.71	38.2
04/30/2014 2:06:00 AM	3.63	39.3
05/01/2014 4:11:00 AM	3.50	26.4
05/01/2014 4:33:00 AM	3.61	41.5
05/01/2014 4:34:00 AM	4.50	44.0

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/01/2014 4:35:00 AM	3.91	41.4
05/01/2014 4:36:00 AM	4.41	41.8
05/01/2014 4:37:00 AM	5.60	41.3
05/01/2014 4:38:00 AM	4.26	42.3
05/01/2014 4:39:00 AM	4.48	45.8
05/01/2014 4:40:00 AM	4.46	41.9
05/01/2014 4:41:00 AM	5.69	47.3
05/01/2014 4:42:00 AM	6.26	42.4
05/01/2014 4:43:00 AM	5.29	42.2
05/01/2014 4:44:00 AM	5.18	39.7
05/01/2014 4:45:00 AM	5.21	42.0
05/01/2014 4:46:00 AM	5.66	45.2
05/01/2014 4:47:00 AM	5.44	43.9
05/01/2014 4:48:00 AM	5.43	40.8
05/01/2014 4:49:00 AM	4.84	47.7
05/01/2014 4:50:00 AM	4.96	42.2
05/01/2014 4:51:00 AM	4.69	43.7
05/01/2014 4:52:00 AM	4.18	38.6
05/01/2014 4:53:00 AM	4.06	47.1
05/01/2014 4:54:00 AM	4.54	41.6
05/01/2014 4:55:00 AM	4.50	42.4
05/01/2014 4:56:00 AM	4.52	45.6
05/01/2014 4:57:00 AM	5.60	42.0
05/01/2014 4:58:00 AM	4.96	41.3
05/01/2014 4:59:00 AM	5.00	47.7
05/03/2014 10:00:00 PM	4.66	42.6
05/03/2014 10:01:00 PM	5.77	41.2
05/03/2014 10:02:00 PM	4.92	44.6
05/03/2014 10:03:00 PM	5.25	46.6
05/03/2014 10:05:00 PM	6.04	42.7
05/03/2014 10:06:00 PM	5.72	47.1
05/03/2014 10:08:00 PM	6.79	42.8
05/03/2014 10:09:00 PM	5.94	42.6
05/03/2014 10:10:00 PM	5.02	44.7
05/03/2014 10:11:00 PM	5.44	44.8
05/03/2014 10:12:00 PM	5.03	45.7
05/03/2014 10:13:00 PM	5.75	44.1
05/03/2014 10:14:00 PM	5.07	43.4
05/03/2014 10:15:00 PM	5.13	42.9
05/03/2014 10:16:00 PM	4.82	41.4
05/03/2014 10:17:00 PM	5.72	43.2
05/03/2014 10:18:00 PM	6.40	45.5
05/03/2014 10:19:00 PM	5.71	42.2
05/03/2014 10:20:00 PM	5.48	42.7
05/03/2014 10:21:00 PM	5.71	47.1
05/03/2014 10:22:00 PM	5.82	44.9
05/03/2014 10:23:00 PM	6.01	41.6
05/03/2014 10:24:00 PM	6.13	38.3
05/03/2014 10:25:00 PM	6.07	38.4

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/03/2014 10:26:00 PM	4.55	39.2
05/03/2014 10:27:00 PM	5.91	39.0
05/03/2014 10:28:00 PM	4.93	38.7
05/03/2014 10:29:00 PM	4.93	38.2
05/03/2014 10:30:00 PM	5.62	34.0
05/03/2014 10:31:00 PM	5.01	40.5
05/03/2014 10:32:00 PM	5.44	45.4
05/03/2014 10:33:00 PM	6.59	44.3
05/03/2014 10:34:00 PM	5.73	44.2
05/03/2014 10:35:00 PM	6.49	42.6
05/03/2014 10:36:00 PM	5.63	38.2
05/03/2014 10:37:00 PM	5.65	39.6
05/03/2014 10:38:00 PM	5.88	39.9
05/03/2014 10:39:00 PM	5.76	43.0
05/03/2014 10:40:00 PM	6.28	41.8
05/03/2014 10:41:00 PM	6.35	40.3
05/03/2014 10:42:00 PM	5.89	42.0
05/03/2014 10:43:00 PM	6.17	39.7
05/03/2014 10:44:00 PM	5.31	42.8
05/03/2014 10:45:00 PM	5.90	42.0
05/03/2014 10:46:00 PM	5.97	43.3
05/03/2014 10:47:00 PM	5.49	43.3
05/03/2014 10:48:00 PM	6.85	43.8
05/03/2014 10:49:00 PM	5.50	43.3
05/03/2014 10:50:00 PM	6.46	37.6
05/03/2014 10:51:00 PM	5.88	40.0
05/03/2014 10:52:00 PM	5.58	39.3
05/03/2014 10:53:00 PM	5.15	44.0
05/03/2014 10:54:00 PM	5.29	38.4
05/03/2014 10:55:00 PM	5.18	36.4
05/03/2014 10:56:00 PM	5.33	39.3
05/03/2014 10:57:00 PM	5.31	41.5
05/03/2014 10:58:00 PM	5.80	37.6
05/03/2014 10:59:00 PM	5.77	42.4
05/03/2014 11:00:00 PM	6.31	35.3
05/03/2014 11:01:00 PM	5.55	32.0
05/03/2014 11:02:00 PM	4.70	40.7
05/03/2014 11:03:00 PM	4.97	37.3
05/03/2014 11:04:00 PM	5.19	37.6
05/03/2014 11:05:00 PM	5.01	33.7
05/03/2014 11:06:00 PM	5.07	37.9
05/03/2014 11:07:00 PM	5.52	40.3
05/03/2014 11:08:00 PM	5.41	39.7
05/03/2014 11:09:00 PM	5.62	39.8
05/03/2014 11:10:00 PM	5.13	42.7
05/03/2014 11:11:00 PM	4.80	37.6
05/03/2014 11:12:00 PM	5.19	45.5
05/03/2014 11:13:00 PM	4.63	44.8
05/03/2014 11:14:00 PM	4.94	36.8

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/03/2014 11:15:00 PM	4.87	37.6
05/03/2014 11:16:00 PM	4.95	46.8
05/03/2014 11:17:00 PM	5.19	38.4
05/03/2014 11:18:00 PM	4.84	33.8
05/03/2014 11:19:00 PM	5.13	33.9
05/03/2014 11:20:00 PM	4.23	40.7
05/03/2014 11:21:00 PM	4.89	38.0
05/03/2014 11:22:00 PM	5.22	38.4
05/03/2014 11:23:00 PM	5.29	37.4
05/03/2014 11:24:00 PM	4.92	40.9
05/03/2014 11:25:00 PM	6.18	42.1
05/03/2014 11:26:00 PM	5.39	38.6
05/03/2014 11:27:00 PM	6.01	51.8
05/03/2014 11:28:00 PM	5.38	44.6
05/03/2014 11:29:00 PM	5.62	37.0
05/03/2014 11:30:00 PM	5.65	36.0
05/03/2014 11:31:00 PM	5.43	32.3
05/03/2014 11:32:00 PM	4.69	37.0
05/03/2014 11:33:00 PM	4.48	36.7
05/03/2014 11:34:00 PM	5.51	34.9
05/03/2014 11:35:00 PM	5.11	42.9
05/03/2014 11:36:00 PM	5.51	32.6
05/03/2014 11:37:00 PM	5.09	33.0
05/03/2014 11:38:00 PM	4.48	37.7
05/03/2014 11:39:00 PM	5.34	35.5
05/03/2014 11:40:00 PM	5.06	38.6
05/03/2014 11:41:00 PM	4.94	37.4
05/03/2014 11:42:00 PM	5.98	40.4
05/03/2014 11:43:00 PM	4.45	43.7
05/03/2014 11:44:00 PM	5.04	36.5
05/03/2014 11:45:00 PM	4.92	42.1
05/03/2014 11:46:00 PM	4.63	41.5
05/03/2014 11:47:00 PM	5.08	36.6
05/03/2014 11:48:00 PM	5.05	36.1
05/03/2014 11:49:00 PM	5.08	36.0
05/03/2014 11:50:00 PM	5.22	43.5
05/03/2014 11:52:00 PM	5.43	36.3
05/03/2014 11:53:00 PM	4.89	37.8
05/03/2014 11:54:00 PM	5.47	38.0
05/03/2014 11:55:00 PM	5.15	38.2
05/03/2014 11:56:00 PM	5.53	35.1
05/03/2014 11:57:00 PM	5.46	34.1
05/03/2014 11:58:00 PM	4.87	34.0
05/03/2014 11:59:00 PM	4.84	40.4
05/04/2014 12:00:00 AM	5.11	37.8
05/04/2014 12:01:00 AM	6.00	43.4
05/04/2014 12:02:00 AM	4.72	37.6
05/04/2014 12:03:00 AM	5.61	39.2
05/04/2014 12:04:00 AM	5.34	33.0

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/04/2014 12:05:00 AM	5.26	35.3
05/04/2014 12:06:00 AM	5.13	37.3
05/04/2014 12:07:00 AM	4.40	35.7
05/04/2014 12:08:00 AM	5.25	40.3
05/04/2014 12:09:00 AM	4.68	41.8
05/04/2014 12:10:00 AM	5.73	34.5
05/04/2014 12:11:00 AM	4.89	31.7
05/04/2014 12:12:00 AM	4.38	38.2
05/04/2014 12:13:00 AM	5.52	34.6
05/04/2014 12:14:00 AM	4.90	36.1
05/04/2014 12:15:00 AM	5.21	34.3
05/04/2014 12:16:00 AM	4.93	36.0
05/04/2014 12:17:00 AM	5.08	32.8
05/04/2014 12:18:00 AM	4.72	34.5
05/04/2014 12:19:00 AM	4.58	39.2
05/04/2014 12:20:00 AM	5.18	36.7
05/04/2014 12:21:00 AM	5.48	34.0
05/04/2014 12:22:00 AM	4.91	32.4
05/04/2014 12:23:00 AM	4.83	32.6
05/04/2014 12:24:00 AM	4.83	33.0
05/04/2014 12:25:00 AM	4.40	41.8
05/04/2014 12:26:00 AM	3.88	35.3
05/04/2014 12:27:00 AM	4.14	45.6
05/04/2014 12:28:00 AM	4.28	42.4
05/04/2014 12:29:00 AM	4.17	37.6
05/04/2014 12:30:00 AM	4.48	43.0
05/04/2014 12:31:00 AM	5.16	42.6
05/04/2014 12:32:00 AM	5.18	29.5
05/04/2014 12:33:00 AM	3.97	35.8
05/04/2014 12:34:00 AM	4.34	38.4
05/04/2014 12:35:00 AM	5.20	34.5
05/04/2014 12:36:00 AM	4.94	33.9
05/04/2014 12:37:00 AM	4.63	36.4
05/04/2014 12:38:00 AM	5.17	35.4
05/04/2014 12:39:00 AM	4.86	41.5
05/04/2014 12:40:00 AM	4.64	38.9
05/04/2014 12:41:00 AM	5.21	32.4
05/04/2014 12:42:00 AM	4.33	30.2
05/04/2014 12:43:00 AM	4.09	30.8
05/04/2014 12:44:00 AM	4.30	36.3
05/04/2014 12:45:00 AM	4.52	40.8
05/04/2014 12:46:00 AM	4.75	38.1
05/04/2014 12:47:00 AM	5.17	37.8
05/04/2014 12:48:00 AM	5.46	41.6
05/04/2014 12:49:00 AM	4.88	46.5
05/04/2014 12:50:00 AM	5.20	43.9
05/04/2014 12:51:00 AM	4.75	34.2
05/04/2014 12:52:00 AM	4.54	42.7
05/04/2014 12:53:00 AM	5.91	40.2

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed (1 Minute Average)	Measured Leq (dBA)
05/04/2014 12:54:00 AM	6.06	36.6
05/04/2014 12:55:00 AM	5.37	34.7
05/04/2014 12:56:00 AM	4.81	44.5
05/04/2014 12:57:00 AM	5.22	38.3
05/04/2014 12:58:00 AM	4.76	39.0
05/04/2014 12:59:00 AM	5.51	42.5
05/04/2014 1:00:00 AM	5.77	36.7
05/04/2014 1:01:00 AM	5.82	33.6
05/04/2014 1:02:00 AM	4.65	43.0
05/04/2014 1:03:00 AM	5.51	42.0
05/04/2014 1:04:00 AM	5.54	35.1
05/04/2014 1:05:00 AM	4.90	38.9
05/04/2014 1:06:00 AM	5.15	37.1
05/04/2014 1:07:00 AM	5.15	40.4
05/04/2014 1:08:00 AM	5.80	37.0
05/04/2014 1:09:00 AM	5.28	37.4
05/04/2014 1:10:00 AM	5.20	34.5
05/04/2014 1:11:00 AM	5.43	39.7
05/04/2014 1:12:00 AM	5.39	39.7
05/04/2014 1:13:00 AM	5.75	36.5
05/04/2014 1:14:00 AM	5.76	41.1
05/04/2014 1:15:00 AM	5.47	43.4
05/04/2014 1:16:00 AM	6.23	41.6
05/04/2014 1:17:00 AM	6.84	36.5
05/04/2014 1:18:00 AM	5.37	37.0
05/04/2014 1:19:00 AM	5.47	37.2
05/04/2014 1:20:00 AM	5.52	39.0
05/04/2014 1:21:00 AM	5.18	40.7
05/04/2014 1:22:00 AM	6.20	41.7
05/04/2014 1:23:00 AM	5.45	37.2
05/04/2014 1:24:00 AM	5.35	42.2
05/04/2014 1:25:00 AM	5.68	41.9
05/04/2014 1:26:00 AM	5.73	37.3
05/04/2014 1:27:00 AM	5.32	35.3
05/04/2014 1:28:00 AM	4.89	36.6
05/04/2014 1:29:00 AM	5.38	39.6
05/04/2014 1:30:00 AM	4.99	42.0
05/04/2014 1:31:00 AM	5.85	38.5
05/04/2014 1:32:00 AM	5.70	34.1
05/04/2014 1:33:00 AM	5.48	36.4
05/04/2014 1:34:00 AM	5.11	37.4
05/04/2014 1:35:00 AM	5.50	35.3
05/04/2014 1:36:00 AM	5.42	39.1
05/04/2014 1:37:00 AM	5.09	40.8
05/04/2014 1:38:00 AM	6.05	37.2
05/04/2014 1:39:00 AM	5.84	39.0
05/04/2014 1:40:00 AM	5.13	35.2
05/04/2014 1:41:00 AM	5.55	33.1
05/04/2014 1:42:00 AM	4.86	34.2

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/04/2014 1:43:00 AM	4.95	35.0
05/04/2014 1:44:00 AM	4.90	36.3
05/04/2014 1:45:00 AM	5.51	35.6
05/04/2014 1:46:00 AM	5.35	37.7
05/04/2014 1:47:00 AM	5.22	37.9
05/04/2014 1:48:00 AM	5.56	37.7
05/04/2014 1:49:00 AM	5.52	35.2
05/04/2014 1:50:00 AM	4.94	34.3
05/04/2014 1:51:00 AM	5.09	46.5
05/04/2014 1:52:00 AM	4.73	35.9
05/04/2014 1:53:00 AM	4.75	37.9
05/04/2014 1:54:00 AM	5.00	41.9
05/04/2014 1:55:00 AM	6.30	35.1
05/04/2014 1:56:00 AM	5.19	35.6
05/04/2014 1:57:00 AM	4.83	45.6
05/04/2014 1:58:00 AM	5.91	38.8
05/04/2014 1:59:00 AM	5.34	35.8
05/04/2014 2:00:00 AM	5.05	37.2
05/04/2014 2:01:00 AM	5.25	41.6
05/04/2014 2:02:00 AM	5.98	37.7
05/04/2014 2:03:00 AM	5.45	35.8
05/04/2014 2:04:00 AM	5.29	37.7
05/04/2014 2:05:00 AM	5.35	37.5
05/04/2014 2:06:00 AM	5.54	39.5
05/04/2014 2:07:00 AM	5.60	38.9
05/04/2014 2:08:00 AM	5.94	39.9
05/04/2014 2:09:00 AM	5.53	38.2
05/04/2014 2:10:00 AM	5.85	34.5
05/04/2014 2:11:00 AM	4.98	37.7
05/04/2014 2:12:00 AM	5.44	41.9
05/04/2014 2:13:00 AM	5.67	42.6
05/04/2014 2:14:00 AM	6.87	48.8
05/04/2014 2:15:00 AM	6.44	45.7
05/04/2014 2:17:00 AM	6.02	45.8
05/04/2014 2:18:00 AM	5.27	44.8
05/04/2014 2:19:00 AM	7.35	42.9
05/04/2014 2:20:00 AM	6.56	42.4
05/04/2014 2:21:00 AM	6.27	42.7
05/04/2014 2:22:00 AM	6.92	38.5
05/04/2014 2:23:00 AM	5.65	39.9
05/04/2014 2:24:00 AM	5.84	34.1
05/04/2014 2:25:00 AM	5.43	35.9
05/04/2014 2:26:00 AM	5.19	34.7
05/04/2014 2:27:00 AM	4.41	41.7
05/04/2014 2:28:00 AM	4.74	37.9
05/04/2014 2:29:00 AM	5.68	37.4
05/04/2014 2:30:00 AM	5.62	38.3
05/04/2014 2:31:00 AM	5.51	41.0
05/04/2014 2:32:00 AM	5.51	35.2

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/04/2014 2:33:00 AM	5.54	43.0
05/04/2014 2:34:00 AM	5.20	42.3
05/04/2014 2:35:00 AM	6.14	39.8
05/04/2014 2:36:00 AM	6.50	38.0
05/04/2014 2:37:00 AM	5.52	39.0
05/04/2014 2:38:00 AM	5.57	36.2
05/04/2014 2:39:00 AM	5.41	42.8
05/04/2014 2:40:00 AM	5.07	44.9
05/04/2014 2:41:00 AM	6.88	47.6
05/04/2014 2:42:00 AM	6.88	43.7
05/04/2014 2:43:00 AM	7.07	34.6
05/04/2014 2:44:00 AM	5.47	37.4
05/04/2014 2:45:00 AM	5.13	40.4
05/04/2014 2:46:00 AM	5.65	39.7
05/04/2014 2:47:00 AM	6.13	35.7
05/04/2014 2:48:00 AM	5.20	44.4
05/04/2014 2:49:00 AM	6.12	36.8
05/04/2014 2:50:00 AM	6.01	44.4
05/04/2014 2:52:00 AM	6.70	36.1
05/04/2014 2:53:00 AM	5.42	35.5
05/04/2014 2:54:00 AM	5.07	35.7
05/04/2014 2:55:00 AM	5.18	34.7
05/04/2014 2:56:00 AM	5.29	35.6
05/04/2014 2:57:00 AM	4.95	36.8
05/04/2014 2:58:00 AM	5.37	41.9
05/04/2014 2:59:00 AM	5.51	40.2
05/04/2014 3:00:00 AM	5.83	48.5
05/04/2014 3:01:00 AM	7.05	47.3
05/04/2014 3:02:00 AM	7.20	39.4
05/04/2014 3:03:00 AM	6.13	44.4
05/04/2014 3:04:00 AM	6.47	46.7
05/04/2014 3:05:00 AM	6.30	43.4
05/04/2014 3:06:00 AM	6.45	42.3
05/04/2014 3:07:00 AM	6.39	44.6
05/04/2014 3:09:00 AM	5.82	36.6
05/04/2014 3:10:00 AM	5.63	40.9
05/04/2014 3:11:00 AM	5.02	38.3
05/04/2014 3:12:00 AM	5.87	39.4
05/04/2014 3:13:00 AM	5.64	38.0
05/04/2014 3:14:00 AM	5.64	40.0
05/04/2014 3:15:00 AM	5.42	38.4
05/04/2014 3:16:00 AM	5.86	41.2
05/04/2014 3:17:00 AM	6.20	38.2
05/04/2014 3:18:00 AM	5.61	36.8
05/04/2014 3:19:00 AM	5.20	36.6
05/04/2014 3:20:00 AM	5.66	42.3
05/04/2014 3:21:00 AM	5.95	39.3
05/04/2014 3:22:00 AM	6.55	37.8
05/04/2014 3:23:00 AM	5.31	40.8

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/04/2014 3:24:00 AM	6.22	41.7
05/04/2014 3:25:00 AM	5.82	43.6
05/04/2014 3:26:00 AM	6.46	42.6
05/04/2014 3:27:00 AM	6.43	39.4
05/04/2014 3:28:00 AM	6.24	34.7
05/04/2014 3:29:00 AM	5.48	33.2
05/04/2014 3:30:00 AM	4.91	32.2
05/04/2014 3:31:00 AM	4.60	33.2
05/04/2014 3:32:00 AM	4.37	31.5
05/04/2014 3:33:00 AM	3.89	33.6
05/04/2014 3:34:00 AM	4.83	35.7
05/04/2014 3:35:00 AM	4.56	31.3
05/04/2014 3:36:00 AM	5.05	30.5
05/04/2014 3:37:00 AM	4.58	31.2
05/04/2014 3:38:00 AM	4.41	31.4
05/04/2014 3:39:00 AM	4.81	34.5
05/04/2014 3:40:00 AM	4.22	33.0
05/04/2014 3:41:00 AM	5.26	31.4
05/04/2014 3:42:00 AM	4.48	29.0
05/04/2014 3:43:00 AM	4.09	33.6
05/04/2014 3:44:00 AM	4.14	35.9
05/04/2014 3:45:00 AM	4.66	30.3
05/04/2014 3:46:00 AM	3.84	33.5
05/04/2014 3:47:00 AM	4.09	33.4
05/04/2014 3:48:00 AM	5.07	29.9
05/04/2014 3:49:00 AM	4.37	30.7
05/04/2014 3:50:00 AM	4.27	29.2
05/04/2014 3:51:00 AM	4.26	32.1
05/04/2014 3:52:00 AM	3.91	34.0
05/04/2014 3:53:00 AM	5.19	35.7
05/04/2014 3:54:00 AM	5.04	31.7
05/04/2014 3:55:00 AM	4.63	32.8
05/04/2014 3:56:00 AM	4.90	29.6
05/04/2014 3:57:00 AM	4.39	32.9
05/04/2014 3:58:00 AM	4.75	31.3
05/04/2014 3:59:00 AM	4.55	28.5
05/04/2014 4:00:00 AM	4.07	31.5
05/04/2014 4:01:00 AM	4.42	30.8
05/04/2014 4:02:00 AM	4.56	28.5
05/04/2014 4:03:00 AM	3.99	30.4
05/04/2014 4:04:00 AM	3.92	34.0
05/04/2014 4:05:00 AM	4.36	33.2
05/04/2014 4:06:00 AM	4.96	34.9
05/04/2014 4:07:00 AM	4.99	33.2
05/04/2014 4:08:00 AM	4.77	29.4
05/04/2014 4:09:00 AM	4.28	29.6
05/04/2014 4:10:00 AM	4.10	40.9
05/04/2014 4:11:00 AM	4.36	34.4
05/04/2014 4:12:00 AM	4.49	31.3

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/04/2014 4:13:00 AM	4.35	30.0
05/04/2014 4:14:00 AM	4.41	33.7
05/04/2014 4:15:00 AM	4.22	33.6
05/04/2014 4:16:00 AM	4.76	38.1
05/04/2014 4:17:00 AM	4.59	39.0
05/04/2014 4:18:00 AM	5.16	36.2
05/04/2014 4:19:00 AM	4.98	39.6
05/04/2014 4:20:00 AM	5.62	34.4
05/04/2014 4:21:00 AM	4.84	34.8
05/04/2014 4:22:00 AM	5.17	29.8
05/04/2014 4:23:00 AM	3.93	32.4
05/04/2014 4:24:00 AM	4.75	42.1
05/04/2014 4:25:00 AM	5.71	38.5
05/04/2014 4:26:00 AM	5.12	33.1
05/04/2014 4:27:00 AM	4.08	30.6
05/04/2014 4:28:00 AM	4.66	28.8
05/04/2014 4:29:00 AM	4.29	28.4
05/04/2014 4:30:00 AM	3.70	29.5
05/04/2014 4:31:00 AM	3.93	28.7
05/04/2014 4:32:00 AM	3.83	34.6
05/04/2014 4:33:00 AM	4.68	30.3
05/04/2014 4:34:00 AM	4.76	33.3
05/04/2014 4:35:00 AM	4.71	31.6
05/04/2014 4:36:00 AM	4.70	31.6
05/04/2014 4:37:00 AM	4.46	31.7
05/04/2014 4:38:00 AM	4.73	30.8
05/04/2014 4:39:00 AM	4.48	31.9
05/04/2014 4:40:00 AM	4.88	30.2
05/04/2014 4:41:00 AM	4.32	35.1
05/04/2014 4:42:00 AM	5.09	32.6
05/04/2014 4:43:00 AM	4.82	35.5
05/04/2014 4:44:00 AM	5.03	32.3
05/04/2014 4:45:00 AM	4.76	31.5
05/04/2014 4:46:00 AM	4.55	32.6
05/04/2014 4:47:00 AM	4.12	31.5
05/04/2014 4:48:00 AM	4.65	35.0
05/04/2014 4:49:00 AM	5.29	32.4
05/04/2014 4:50:00 AM	4.72	31.1
05/04/2014 4:51:00 AM	4.46	29.5
05/04/2014 4:52:00 AM	4.35	33.0
05/04/2014 4:53:00 AM	4.37	35.8
05/04/2014 4:54:00 AM	4.82	34.4
05/04/2014 4:55:00 AM	5.14	31.3
05/04/2014 4:56:00 AM	4.63	32.9
05/04/2014 4:57:00 AM	4.45	35.3
05/04/2014 4:58:00 AM	4.28	38.3
05/04/2014 4:59:00 AM	5.03	34.5
05/04/2014 10:00:00 PM	4.61	38.5
05/04/2014 10:01:00 PM	4.42	44.5

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/04/2014 10:02:00 PM	4.36	35.0
05/04/2014 10:03:00 PM	4.63	37.5
05/04/2014 10:04:00 PM	4.21	47.3
05/04/2014 10:05:00 PM	4.58	35.7
05/04/2014 10:06:00 PM	4.28	30.4
05/04/2014 10:07:00 PM	4.11	29.7
05/04/2014 10:08:00 PM	3.92	49.4
05/04/2014 10:09:00 PM	3.65	35.0
05/04/2014 10:10:00 PM	3.75	29.0
05/04/2014 10:11:00 PM	3.60	37.3
05/04/2014 10:12:00 PM	3.50	42.7
05/04/2014 10:13:00 PM	3.54	26.8
05/04/2014 10:26:00 PM	3.56	27.9
05/04/2014 10:27:00 PM	3.82	28.9
05/04/2014 10:28:00 PM	3.71	48.0
05/04/2014 10:29:00 PM	3.86	36.0
05/04/2014 10:30:00 PM	4.36	31.8
05/04/2014 10:31:00 PM	4.19	47.8
05/04/2014 10:32:00 PM	4.26	33.8
05/04/2014 10:33:00 PM	4.22	28.0
05/04/2014 10:34:00 PM	4.12	27.9
05/04/2014 10:35:00 PM	4.14	27.8
05/04/2014 10:36:00 PM	3.97	36.9
05/04/2014 10:37:00 PM	4.11	32.1
05/04/2014 10:38:00 PM	4.23	47.0
05/04/2014 10:39:00 PM	4.07	33.2
05/04/2014 10:40:00 PM	3.92	45.3
05/04/2014 10:41:00 PM	4.13	40.2
05/04/2014 10:42:00 PM	4.29	51.1
05/04/2014 10:43:00 PM	4.13	33.1
05/04/2014 10:44:00 PM	4.13	29.2
05/04/2014 10:45:00 PM	3.97	26.2
05/04/2014 10:46:00 PM	4.05	27.9
05/04/2014 10:47:00 PM	3.60	29.1
05/04/2014 10:48:00 PM	4.00	26.6
05/04/2014 10:49:00 PM	3.91	26.6
05/04/2014 10:50:00 PM	3.81	30.1
05/04/2014 10:51:00 PM	3.55	46.9
05/04/2014 10:52:00 PM	3.52	27.5
05/04/2014 10:53:00 PM	3.75	24.8
05/04/2014 10:55:00 PM	3.86	26.2
05/04/2014 10:56:00 PM	3.94	26.0
05/04/2014 10:57:00 PM	3.86	25.5
05/04/2014 10:58:00 PM	3.54	27.1
05/04/2014 10:59:00 PM	4.10	27.5
05/04/2014 11:00:00 PM	3.95	29.5
05/04/2014 11:01:00 PM	3.92	28.9
05/04/2014 11:02:00 PM	3.95	27.0
05/04/2014 11:03:00 PM	3.63	25.3

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/04/2014 11:04:00 PM	3.65	29.1
05/04/2014 11:05:00 PM	3.54	28.0
05/04/2014 11:37:00 PM	3.51	27.6
05/04/2014 11:44:00 PM	3.60	35.3
05/04/2014 11:45:00 PM	3.61	35.0
05/04/2014 11:46:00 PM	3.62	36.3
05/04/2014 11:47:00 PM	3.69	35.2
05/04/2014 11:48:00 PM	3.57	33.4
05/04/2014 11:51:00 PM	3.58	26.5
05/04/2014 11:54:00 PM	4.27	28.3
05/04/2014 11:55:00 PM	4.19	30.8
05/04/2014 11:56:00 PM	4.09	28.9
05/04/2014 11:57:00 PM	3.68	27.8
05/04/2014 11:58:00 PM	4.17	28.1
05/04/2014 11:59:00 PM	3.70	26.9
05/05/2014 12:00:00 AM	3.62	32.5
05/05/2014 12:01:00 AM	3.99	35.9
05/05/2014 12:04:00 AM	3.63	23.5
05/05/2014 12:05:00 AM	3.66	22.8
05/05/2014 12:15:00 AM	3.58	23.1
05/05/2014 12:19:00 AM	3.59	26.2
05/05/2014 12:20:00 AM	3.59	29.5
05/05/2014 12:21:00 AM	3.81	27.4
05/05/2014 12:23:00 AM	3.65	27.8
05/05/2014 12:24:00 AM	3.72	25.7
05/05/2014 12:25:00 AM	3.75	31.4
05/05/2014 12:26:00 AM	4.02	37.7
05/05/2014 12:27:00 AM	3.81	52.7
05/05/2014 12:28:00 AM	4.31	27.5
05/05/2014 12:29:00 AM	4.31	26.4
05/05/2014 12:30:00 AM	3.69	34.5
05/05/2014 12:31:00 AM	3.63	36.6
05/05/2014 12:32:00 AM	3.63	33.2
05/05/2014 12:33:00 AM	3.90	24.1
05/05/2014 12:36:00 AM	3.78	35.3
05/05/2014 12:55:00 AM	3.52	26.7
05/05/2014 12:57:00 AM	3.50	24.1
05/05/2014 12:58:00 AM	3.58	45.2
05/05/2014 12:59:00 AM	3.51	50.9
05/05/2014 1:00:00 AM	3.72	36.7
05/05/2014 1:01:00 AM	3.87	30.4
05/05/2014 1:02:00 AM	3.80	28.0
05/05/2014 1:03:00 AM	3.80	25.5
05/05/2014 1:04:00 AM	3.54	25.3
05/05/2014 1:05:00 AM	3.68	36.6
05/05/2014 1:06:00 AM	3.73	42.0
05/05/2014 1:07:00 AM	4.01	39.2
05/05/2014 1:08:00 AM	3.63	35.8
05/05/2014 1:09:00 AM	3.97	29.6

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/05/2014 1:10:00 AM	3.79	27.1
05/05/2014 1:11:00 AM	4.27	27.1
05/05/2014 1:12:00 AM	4.08	26.4
05/05/2014 1:13:00 AM	3.78	25.3
05/05/2014 1:14:00 AM	3.81	26.4
05/05/2014 1:15:00 AM	3.92	28.8
05/05/2014 1:16:00 AM	3.72	38.6
05/05/2014 1:17:00 AM	3.66	36.3
05/05/2014 1:18:00 AM	3.65	38.1
05/05/2014 1:19:00 AM	3.69	34.7
05/05/2014 1:20:00 AM	3.69	25.6
05/05/2014 1:21:00 AM	3.76	26.3
05/05/2014 1:22:00 AM	3.67	25.9
05/05/2014 1:23:00 AM	3.73	38.1
05/05/2014 1:24:00 AM	3.73	32.7
05/05/2014 1:25:00 AM	3.64	36.5
05/05/2014 1:26:00 AM	3.69	35.9
05/05/2014 1:27:00 AM	3.59	25.3
05/05/2014 1:28:00 AM	3.67	25.5
05/05/2014 1:29:00 AM	3.76	25.3
05/05/2014 1:31:00 AM	3.54	26.5
05/05/2014 1:32:00 AM	3.63	37.8
05/05/2014 1:33:00 AM	3.80	36.4
05/05/2014 1:35:00 AM	3.54	25.9
05/05/2014 1:36:00 AM	3.57	39.9
05/05/2014 1:37:00 AM	3.77	40.2
05/05/2014 1:38:00 AM	3.55	26.0
05/05/2014 1:39:00 AM	3.88	24.0
05/05/2014 1:41:00 AM	3.51	37.7
05/05/2014 1:43:00 AM	3.53	25.1
05/05/2014 1:46:00 AM	3.81	42.8
05/05/2014 1:47:00 AM	3.85	37.2
05/05/2014 1:48:00 AM	3.88	35.3
05/05/2014 1:49:00 AM	4.16	27.1
05/05/2014 1:50:00 AM	3.95	26.9
05/05/2014 1:51:00 AM	3.93	27.4
05/05/2014 1:52:00 AM	3.92	25.9
05/05/2014 1:53:00 AM	3.85	26.8
05/05/2014 1:54:00 AM	3.63	26.6
05/05/2014 1:55:00 AM	3.58	28.4
05/05/2014 1:56:00 AM	3.92	27.3
05/05/2014 1:57:00 AM	3.90	27.2
05/05/2014 1:58:00 AM	3.69	25.8
05/05/2014 1:59:00 AM	3.50	28.1
05/05/2014 2:00:00 AM	3.63	42.5
05/05/2014 2:01:00 AM	3.88	37.3
05/05/2014 2:02:00 AM	3.75	36.5
05/05/2014 2:03:00 AM	3.73	29.5
05/05/2014 2:04:00 AM	3.76	31.5

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**  
 Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/05/2014 2:05:00 AM	4.07	38.5
05/05/2014 2:06:00 AM	4.07	37.1
05/05/2014 2:07:00 AM	3.75	39.0
05/05/2014 2:08:00 AM	4.38	32.4
05/05/2014 2:09:00 AM	4.71	30.6
05/05/2014 2:10:00 AM	4.32	28.3
05/05/2014 2:11:00 AM	4.11	29.7
05/05/2014 2:12:00 AM	3.99	30.5
05/05/2014 2:13:00 AM	4.34	31.0
05/05/2014 2:14:00 AM	4.27	35.4
05/05/2014 2:15:00 AM	4.20	42.7
05/05/2014 2:16:00 AM	4.13	33.8
05/05/2014 2:17:00 AM	4.16	32.1
05/05/2014 2:18:00 AM	4.47	43.7
05/05/2014 2:19:00 AM	4.11	38.3
05/05/2014 2:20:00 AM	3.99	37.3
05/05/2014 2:21:00 AM	4.09	34.8
05/05/2014 2:22:00 AM	4.30	27.5
05/05/2014 2:23:00 AM	4.05	29.0
05/05/2014 2:24:00 AM	4.08	29.0
05/05/2014 2:25:00 AM	3.82	29.9
05/05/2014 2:26:00 AM	4.22	30.3
05/05/2014 2:27:00 AM	4.23	29.0
05/05/2014 2:28:00 AM	4.30	28.5
05/05/2014 2:29:00 AM	4.02	27.2
05/05/2014 2:30:00 AM	3.93	35.4
05/05/2014 2:31:00 AM	3.89	37.1
05/05/2014 2:32:00 AM	3.79	36.6
05/05/2014 2:33:00 AM	3.91	28.1
05/05/2014 2:34:00 AM	4.05	29.0
05/05/2014 2:35:00 AM	4.27	29.7
05/05/2014 2:36:00 AM	4.12	28.2
05/05/2014 2:37:00 AM	4.15	29.5
05/05/2014 2:38:00 AM	4.30	28.5
05/05/2014 2:39:00 AM	4.02	28.6
05/05/2014 2:40:00 AM	3.99	34.0
05/05/2014 2:41:00 AM	4.02	32.8
05/05/2014 2:42:00 AM	4.40	31.0
05/05/2014 2:43:00 AM	4.07	30.8
05/05/2014 2:44:00 AM	3.99	29.0
05/05/2014 2:45:00 AM	4.27	29.0
05/05/2014 2:46:00 AM	4.16	28.9
05/05/2014 2:47:00 AM	4.14	27.6
05/05/2014 2:48:00 AM	4.01	29.1
05/05/2014 2:49:00 AM	4.01	29.9
05/05/2014 2:50:00 AM	4.30	28.4
05/05/2014 2:51:00 AM	3.99	31.7
05/05/2014 2:52:00 AM	4.36	29.4
05/05/2014 2:53:00 AM	4.37	27.4

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/05/2014 2:54:00 AM	4.04	30.5
05/05/2014 2:55:00 AM	4.11	27.7
05/05/2014 2:56:00 AM	4.13	27.2
05/05/2014 2:57:00 AM	3.73	27.9
05/05/2014 2:58:00 AM	3.55	28.0
05/05/2014 2:59:00 AM	4.11	29.0
05/05/2014 3:00:00 AM	3.72	31.7
05/05/2014 3:01:00 AM	3.95	30.1
05/05/2014 3:02:00 AM	4.21	27.9
05/05/2014 3:03:00 AM	3.65	28.1
05/05/2014 3:04:00 AM	3.94	27.1
05/05/2014 3:07:00 AM	3.79	36.7
05/05/2014 3:11:00 AM	3.53	27.7
05/05/2014 3:13:00 AM	3.62	30.1
05/05/2014 3:14:00 AM	3.73	32.7
05/05/2014 3:16:00 AM	3.58	31.4
05/05/2014 3:17:00 AM	3.89	29.9
05/05/2014 3:18:00 AM	4.08	30.1
05/05/2014 3:19:00 AM	3.52	32.5
05/05/2014 3:20:00 AM	3.60	31.1
05/05/2014 3:21:00 AM	3.75	33.0
05/05/2014 3:22:00 AM	3.86	34.8
05/05/2014 3:23:00 AM	4.34	29.7
05/05/2014 3:24:00 AM	3.73	29.9
05/05/2014 3:25:00 AM	4.20	29.2
05/05/2014 3:26:00 AM	3.92	32.1
05/05/2014 3:27:00 AM	3.84	29.3
05/05/2014 3:28:00 AM	3.66	34.6
05/05/2014 3:29:00 AM	3.68	30.7
05/05/2014 3:30:00 AM	3.71	32.7
05/05/2014 3:43:00 AM	3.73	27.0
05/05/2014 4:00:00 AM	3.59	31.5
05/05/2014 4:31:00 AM	3.52	26.6
05/05/2014 4:37:00 AM	3.65	29.4
05/05/2014 4:38:00 AM	3.79	30.5
05/05/2014 4:39:00 AM	3.68	45.3
05/05/2014 4:40:00 AM	4.01	34.7
05/05/2014 4:41:00 AM	3.93	33.6
05/05/2014 4:42:00 AM	3.89	43.6
05/05/2014 4:43:00 AM	4.03	37.2
05/05/2014 4:44:00 AM	4.17	29.9
05/05/2014 4:45:00 AM	3.98	41.5
05/05/2014 4:46:00 AM	3.74	41.8
05/05/2014 4:47:00 AM	3.80	36.7
05/05/2014 4:49:00 AM	3.58	47.8
05/05/2014 4:50:00 AM	3.51	45.1
05/05/2014 4:51:00 AM	3.76	40.6
05/05/2014 4:52:00 AM	3.70	47.3
05/05/2014 4:53:00 AM	4.00	37.8

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Day and Time of Measurement	Average Wind Speed	Measured Leq
	(1 Minute Average)	(dBA)
05/05/2014 4:54:00 AM	3.88	39.9
05/05/2014 4:55:00 AM	3.92	36.3
05/05/2014 4:56:00 AM	4.14	36.2
05/05/2014 4:57:00 AM	3.95	34.2
05/05/2014 4:58:00 AM	4.15	42.0
05/05/2014 4:59:00 AM	4.12	40.3
06/03/2014 10:00:00 PM	4.13	52.7
06/03/2014 10:01:00 PM	3.89	47.8
06/03/2014 10:02:00 PM	4.37	35.6
06/03/2014 10:03:00 PM	4.49	40.6
06/03/2014 10:04:00 PM	4.51	40.0
06/03/2014 10:05:00 PM	5.34	39.4
06/03/2014 10:06:00 PM	5.51	41.0
06/03/2014 10:07:00 PM	5.33	40.3
06/03/2014 10:08:00 PM	5.40	37.2
06/03/2014 10:09:00 PM	5.34	45.2
06/03/2014 10:11:00 PM	5.52	45.0
06/03/2014 10:12:00 PM	5.76	39.3
06/03/2014 10:13:00 PM	6.29	43.3
06/03/2014 10:14:00 PM	5.22	46.4
06/03/2014 10:15:00 PM	5.65	42.6
06/03/2014 10:16:00 PM	6.06	45.6
06/03/2014 10:17:00 PM	5.81	45.4
06/03/2014 10:18:00 PM	5.68	45.3
06/03/2014 10:19:00 PM	5.68	42.2
06/03/2014 10:20:00 PM	6.28	44.1
06/03/2014 10:21:00 PM	5.81	41.2
06/03/2014 10:22:00 PM	5.52	37.6
06/03/2014 10:23:00 PM	4.63	46.2
06/03/2014 10:24:00 PM	4.97	37.2
06/03/2014 10:25:00 PM	5.16	46.2
06/03/2014 10:26:00 PM	5.03	36.3
06/03/2014 10:27:00 PM	5.76	36.0
06/03/2014 10:28:00 PM	4.63	37.6
06/03/2014 10:29:00 PM	4.90	30.7
06/03/2014 10:30:00 PM	4.84	30.7
06/03/2014 10:31:00 PM	3.68	46.3
06/03/2014 10:32:00 PM	3.92	33.0
06/03/2014 10:33:00 PM	3.59	43.0
06/03/2014 10:34:00 PM	3.87	30.3
06/03/2014 10:35:00 PM	3.67	27.0
06/03/2014 10:36:00 PM	3.87	30.4
06/03/2014 10:37:00 PM	3.70	27.9
06/03/2014 10:38:00 PM	3.87	30.7
06/03/2014 10:39:00 PM	3.74	45.8
06/03/2014 10:41:00 PM	3.64	41.1
06/03/2014 10:42:00 PM	3.55	47.9
06/03/2014 10:48:00 PM	3.56	33.8
06/03/2014 10:49:00 PM	3.54	30.8

**Table 2 - Valid Ambient 1-Minute Sound Data - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

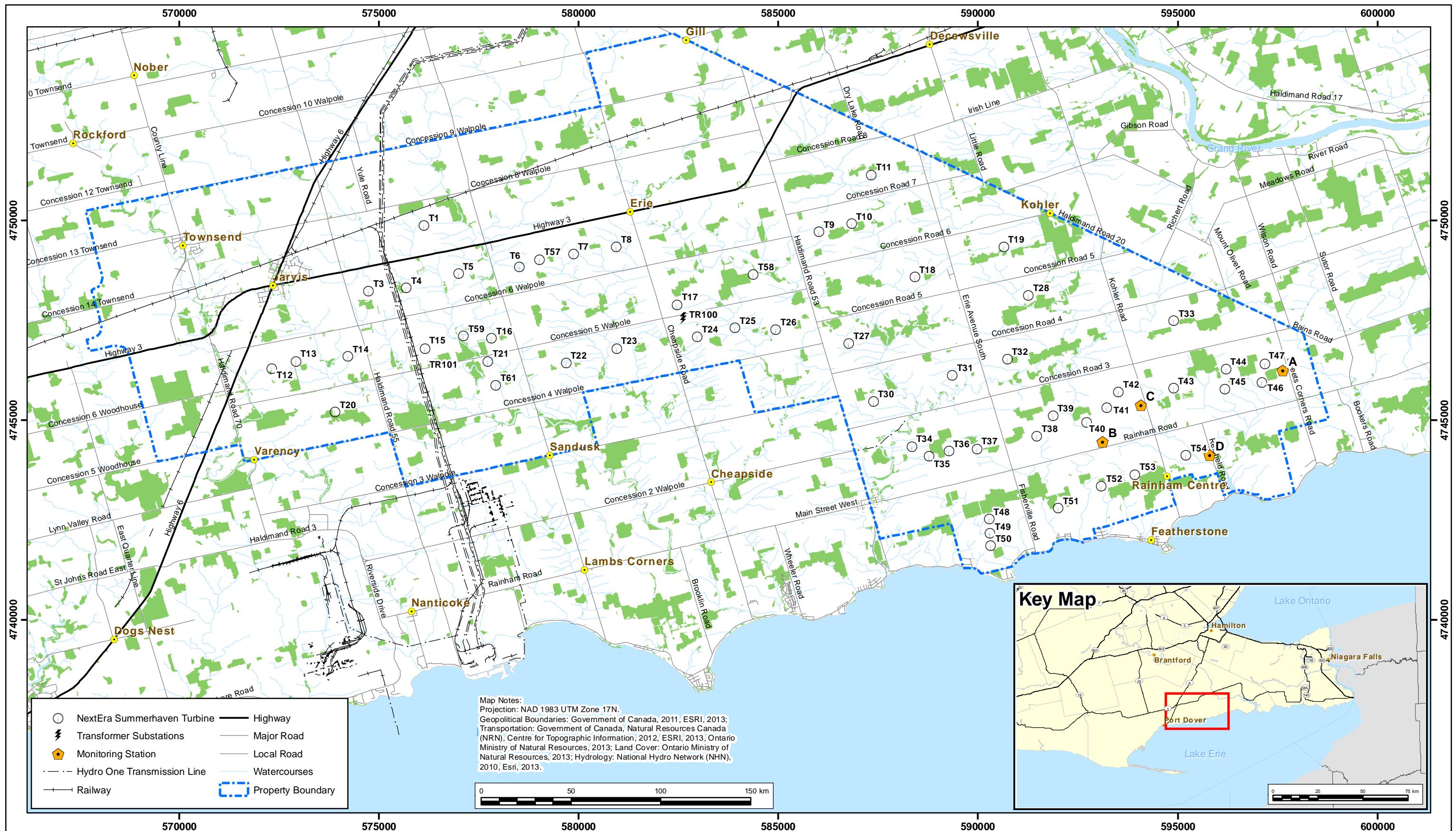
<b>Day and Time of Measurement</b>	<b>Average Wind Speed</b>	<b>Measured Leq</b>
	(1 Minute Average)	(dBA)
06/03/2014 10:50:00 PM	3.65	29.3
06/03/2014 10:51:00 PM	3.92	30.5
06/03/2014 10:52:00 PM	3.66	30.0
06/03/2014 10:53:00 PM	4.01	30.2
06/03/2014 10:54:00 PM	3.91	40.8
06/03/2014 10:55:00 PM	3.91	38.5
06/03/2014 10:56:00 PM	3.79	26.2
06/03/2014 10:57:00 PM	3.61	27.5
06/03/2014 10:58:00 PM	3.60	24.9
06/04/2014 2:16:00 AM	3.52	25.4
06/04/2014 2:17:00 AM	3.62	28.9

**Table 3 - Summary of Sound Levels - Monitor C - Spring 2014**

Summerhaven Wind Farm - Spring 2014 Audit, 1400190

Wind Speed (m/s)	Average L <sub>EQ</sub> for Total Sound Condition (dBA)	Total # of Valid Intervals for Total Sound	Standard Deviation of Valid Intervals for Total Sound (dBA)	Average L <sub>EQ</sub> for Ambient Sound Condition (dBA)	Total # of Valid Intervals for Ambient Sound Condition	Standard Deviation of Valid Intervals for Ambient Sound Condition (dBA)	Turbine Only Sound Levels (dBA)	REA Sound Level Limits (dBA)	Over REA Limits?
									(Yes/No)
4	41	2831	4	38	813	6	37	40	No
5	42	1896	3	40	405	5	37	40	No
6	45	1039	3	43	257	4	39	40	No
7	47	502	3	46	153	3	40	43	No

# FIGURES

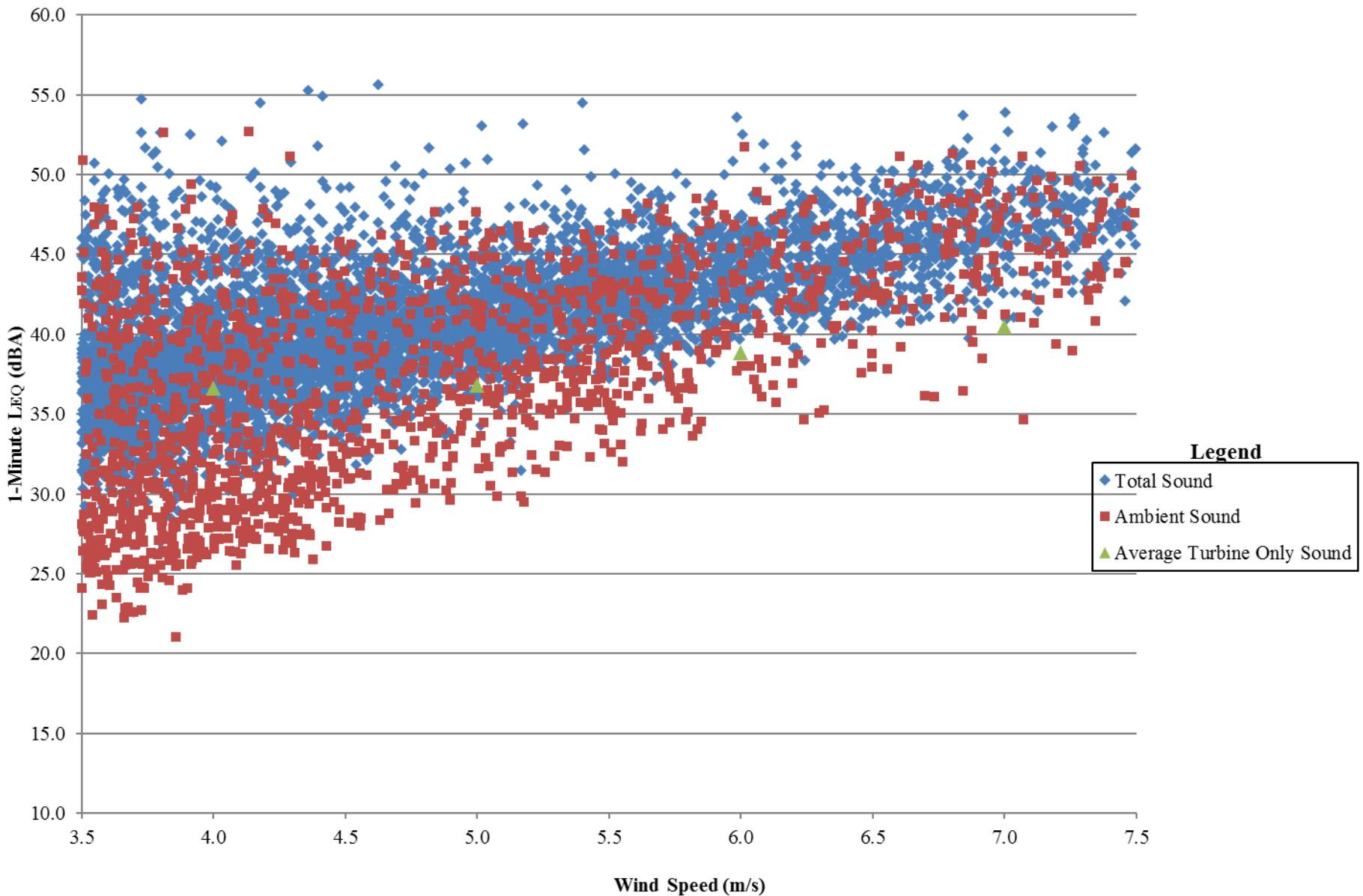


Summerhaven Wind Farm - Noise Monitoring Locations

Summerhaven Wind Farm - Haldimand County, Ontario

True North	Drawn by: CAM Figure: 1
Approx. Scale: 1:90,000	
Project #1400190	Date Revised: Feb. 10, 2014

## Figure 2 - Valid L<sub>EQ</sub> Data - Monitor C – Spring 2014



Valid L<sub>EQ</sub> Data – Monitor C  
Spring 2014

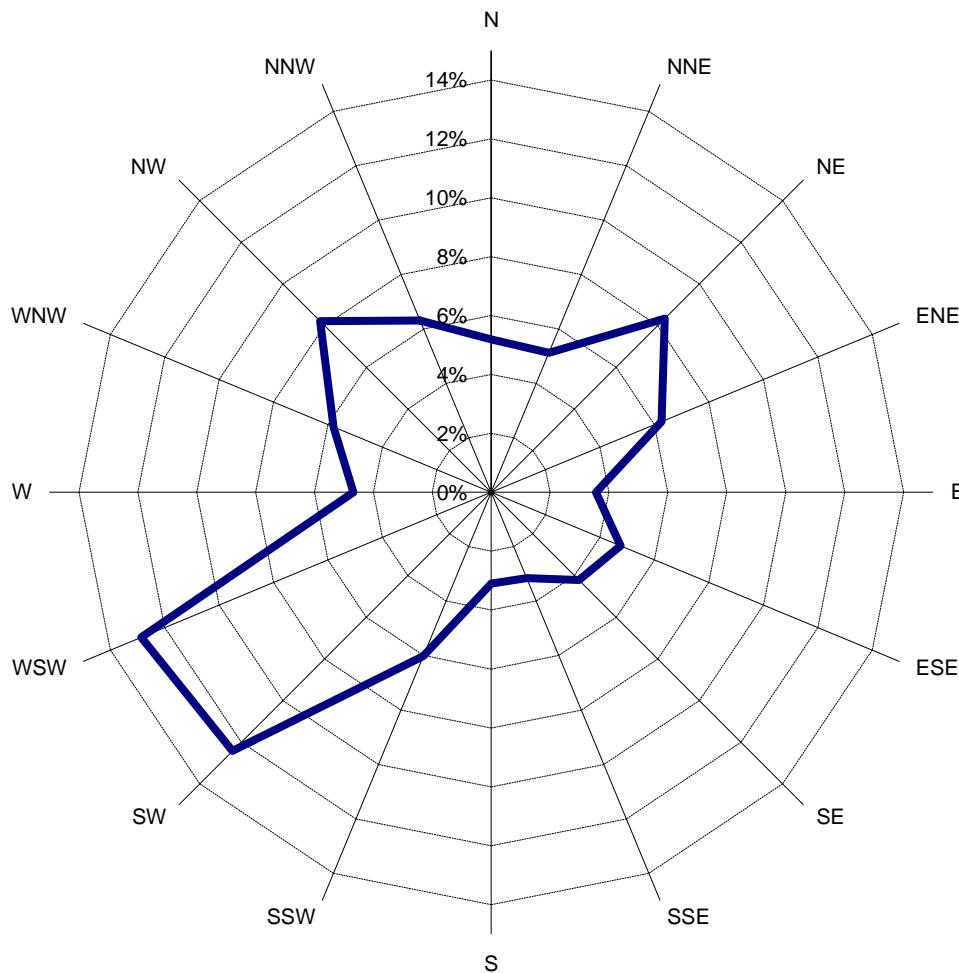
Summerhaven Wind Farm, Haldimand County, Ontario

Project #1400190

Drawn by: MFA | Figure: 2

Date Revised: Jan 25, 2018





**Wind Rose Plot – Total Valid Data – Monitor C**  
March 10 – June 11, 2014

Summerhaven Wind Farm, Haldimand County, Ontario

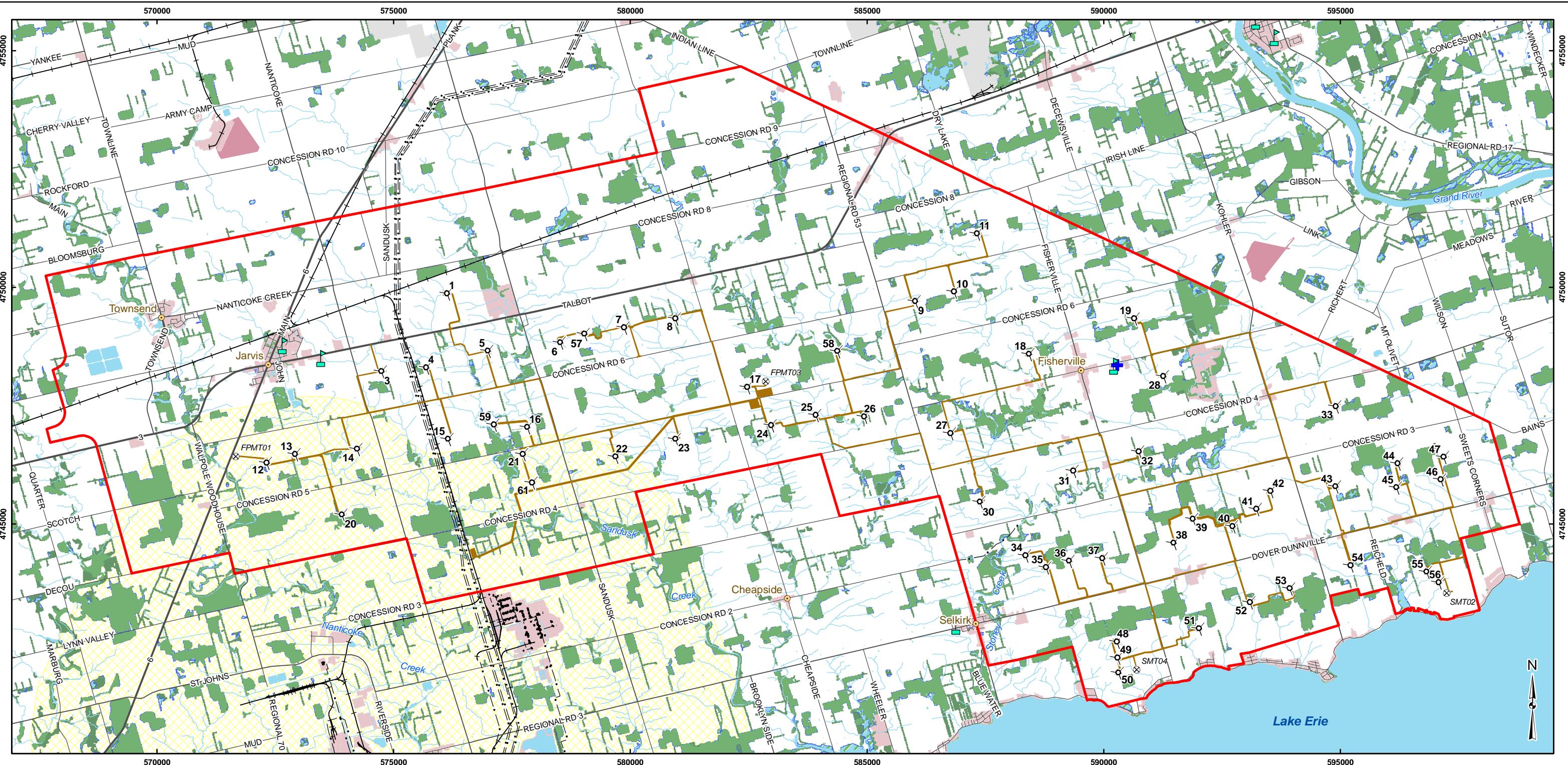
Project #1400190

Drawn by: MFA | Figure: 3

Date Revised: Jan 25, 2018



## APPENDIX A



#### LEGEND

Turbine	Highway	Land Use (SOLRIS / NRVIS)
School	Major Road	Natural Area
Health Care Facility	Local Road	Forest
Meteorological Tower	Railway	Pit \ Quarry
Watercourse	Project Location	Urban \ Industrial
Hydro One Transmission Line	Project Area	Wetland
		Water
		Agriculture
		Airport

#### REFERENCE

Base Data - MNR NRVIS, obtained 2004, CANMAP v2008.4

Land Use - SOLRIS, 2000

Produced by Golder Associates Ltd under licence from Ontario Ministry of Natural Resources, © Queens Printer 2010

Projection: UTM Datum: NAD 83 Coordinate System: UTM Zone 17

#### NOTES:

1. All Project Location includes disturbance area
2. Turbines 2, 29 and 60 do not exist
3. Turbine 62 is a Siemens SWT-2.221-93 Low Noise wind turbine. All other turbines are Siemens SWT-2.221-101 Low Noise wind turbines.



PROJECT	Summerhaven Wind Energy Centre		
TITLE	PROJECT AREA LAND USE		
SCALE 1:80,000			
KILOMETRES			



PROJECT NO. 10-1151-0035	SCALE AS SHOWN	REV.
DESIGN JR	27 Aug. 2010	
GIS BC	3 Aug. 2011	
CHECK PP	3 Aug. 2011	
REVIEW JW	3 Aug. 2011	

FIGURE: X A

## APPENDIX B



## RENEWABLE ENERGY APPROVAL

NUMBER 2484-8RQUS4  
Issue Date: March 16, 2012

Summerhaven Wind, LP  
5500 North Service Rd, No. Suite 205  
Burlington, Ontario  
L7L 6W6

Project                    Concession Road 5  
Location:                Lot 19-20, Concession 5  
                            Haldimand County,  
                            N0A 1J0

*You have applied in accordance with Section 47.4 of the Environmental Protection Act for approval to engage in a renewable energy project in respect of a Class 4 Wind facility consisting of the following:*

- the construction, installation, operation, use and retiring of:
  - (a) fifty-eight (58) wind turbine generators, each rated at 2.221 megawatts generating output capacity with a total name plate capacity of 128.82 megawatts, designated as sources ID Nos. WTG-001, WTG-003 to WTG-028, WTG-30 to WTG-59, and WTG-61, each with a hub height of 80 metres above grade, and sited at the locations shown in Schedule A and as indicated in the supporting documentation submitted with the application;
  - (b) one (1) transformer substation, rated at 140 megavolt-ampere, 34.5/241.5 kilovolts, with a total sound power level rating including cooling fans not exceeding 88 dBA, and sited at the location shown in Schedule A and as indicated in the supporting documentation submitted with the application; and
  - (c) associated ancillary equipment, systems and technologies including on-site access roads, underground cabling and overhead distribution and transmission lines;

all in accordance with the application for a Renewable Energy Approval dated June 09, 2011, and signed by F. Allen Wiley, Vice President of Development, Summerhaven Wind LP, and all supporting documentation submitted with the application, including amended documentation submitted up to March 07, 2012.

*For the purpose of this renewable energy approval, the following definitions apply:*

1. "Acoustic Assessment Report" means the report included in the Application and entitled NextEra Energy Canada ULC Summerhaven Wind Energy Centre Application for a Renewable Energy Approval Noise Study Report, dated August 2011, prepared by Golder Associates and signed by Samuel Isono, Acoustics, Noise and Vibration Engineer, Golder Associates, and includes additional correspondence submitted up to March 7, 2012;
2. "Acoustic Audit - Emission" means an investigative procedure that is compliant with the IEC Standard 61400-11 and consisting of measurements and/or acoustic modelling of noise emissions produced by wind turbine generators, assessed to determine compliance with the manufacturer's noise (acoustic) equipment specifications and emission data of the wind turbine generators, included in the Acoustic Assessment Report;
3. "Acoustic Audit - Immission" means an investigative procedure consisting of measurements and/or acoustic modelling of all sources of noise emissions due to the operation of the Equipment, assessed to determine compliance with the Noise Performance Limits set out in this Approval;
4. "Acoustic Audit Report - Emission" means a report presenting the results of the Acoustic Audit - Emission;
5. "Acoustic Audit Report - Immission" means a report presenting the results of the Acoustic Audit - Immission;
6. "Acoustical Consultant" means a person currently active in the field of environmental acoustics and noise/vibration control, who is knowledgeable about Ministry noise guidelines and procedures and has a combination of formal university education, training and experience necessary to assess noise emissions from wind facilities;
7. "Act" means the *Environmental Protection Act*, R.S.O 1990, c.E.19, as amended;
8. "Adverse Effect" has the same meaning as in the Act;
9. "Application" means the application for a Renewable Energy Approval dated June 9, 2011, and signed by F. Allen Wiley, Vice President of Development, Summerhaven Wind LP, and all supporting documentation submitted with the application, including amended documentation submitted up to March 7, 2012;
10. "Approval" means this Renewable Energy Approval issued in accordance with Section 47.4 of the Act, including any schedules to it;

11. "A-weighting" means the frequency weighting characteristic as specified in the International Electrotechnical Commission (IEC) Standard 61672, and intended to approximate the relative sensitivity of the normal human ear to different frequencies (pitches) of sound . It is denoted as "A";
12. "A-weighted Sound Pressure Level" means the Sound Pressure Level modified by application of an A-weighting network. It is measured in decibels, A-weighted, and denoted "dBA";
13. "Class 1 Area" means an area with an acoustical environment typical of a major population centre, where the background sound level is dominated by the activities of people, usually road traffic, often referred to as "urban hum";
14. "Class 2 Area" means an area with an acoustical environment that has qualities representative of both Class 1 and Class 3 Areas:
  - (a) sound levels characteristic of Class 1 during daytime (07:00 to 19:00 or to 23:00 hours);
  - (b) low evening and night background sound level defined by natural environment and infrequent human activity starting as early as 19:00 hours (19:00 or 23:00 to 07:00 hours);
  - (c) no clearly audible sound from Stationary Sources other than from those under impact assessment.
15. "Class 3 Area" means a rural area with an acoustical environment that is dominated by natural sounds having little or no road traffic, such as the following:
  - (a) a small community with less than 1000 population;
  - (b) agricultural area;
  - (c) a rural recreational area such as a cottage or a resort area; or
  - (d) a wilderness area.
16. "Company" means Strathroy Wind GP Inc., as general partner for Summerhaven Wind LP, solely in connection with the conduct of business of that Limited Partnership, and includes its successors and assignees;
17. "Compliance Protocol for Wind Turbine Noise" means the Ministry document entitled, Compliance Protocol for Wind Turbine Noise, Guideline for Acoustic Assessment and Measurement, PIBS 8540e;
18. "Decibel" means a dimensionless measure of Sound Level or Sound Pressure Level, denoted as dB;
19. "Director" means a person appointed in writing by the Minister of the Environment pursuant to section 5 of the Act as a Director for the purposes of section 47.5 of the Act;

20. "District Manager" means the District Manager of the appropriate local district office of the Ministry where the Facility is geographically located;
21. "Equipment" means the fifty-eight (58) wind turbine generators, and one (1) transformer substation, identified in this Approval and as further described in the Application, to the extent approved by this Approval;
22. "Equivalent Sound Level" is the value of the constant sound level which would result in exposure to the same total A-weighted energy as would the specified time-varying sound, if the constant sound level persisted over an equal time interval. It is denoted Leq and is measured in dB A-weighting (dBA);
23. "Facility" means the renewable energy generation facility, including the Equipment, as described in this Approval and as further described in the Application, to the extent approved by this Approval;
24. "IEC Standard 61400-11" means the International Standard IEC Standard 61400-11, Wind turbine generator systems – Part 11: Acoustic noise measurement techniques, 2006;
25. "Independent Acoustical Consultant" means an Acoustical Consultant who is not representing the Company and was not involved in preparing the Acoustic Assessment Report. The Independent Acoustical Consultant shall not be retained by the Acoustical Consultant involved in the noise impact assessment;
26. "Ministry" means the ministry of the government of Ontario responsible for the Act and includes all officials, employees or other persons acting on its behalf;
27. "Noise Guidelines for Wind Farms" means the Ministry document entitled, Noise Guidelines for Wind Farms - Interpretation for Applying MOE NPC Publications to Wind Power Generation Facilities, dated October 2008;
28. "Noise Receptor" has the same meaning as in O. Reg. 359/09;
29. "O. Reg. 359/09" means Ontario Regulation 359/09 "Renewable Energy Approvals under Part V.0.1 of the Act" made under the Act;
30. "Point of Reception" has the same meaning as in the Noise Guidelines for Wind Farms and is subject to the same qualifications described in that document;
31. "Sound Level" means the A-weighted Sound Pressure Level;
32. "Sound Level Limit" is the limiting value described in terms of the one hour A-weighted Equivalent Sound Level Leq;
33. "Sound Pressure" means the instantaneous difference between the actual pressure and the average or barometric pressure at a given location. The unit of measurement is the micro pascal ( $\mu\text{Pa}$ );

34. "Sound Pressure Level" means twenty times the logarithm to the base 10 of the ratio of the effective pressure ( $\mu\text{Pa}$ ) of a sound to the reference pressure of 20  $\mu\text{Pa}$ ;
35. "UTM" means Universal Transverse Mercator coordinate system.

*You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **A - GENERAL**

- A1. The Company shall construct, install, use, operate, maintain and retire the Facility in accordance with the terms and conditions of this Approval and the Application.
- A2. Where there is a conflict between a provision of this Approval and any document submitted by the Company, the conditions in this Approval shall take precedence. Where there is a conflict between one or more of the documents submitted by the Company, the document bearing the most recent date shall take precedence.
- A3. The Company shall ensure a copy of this Approval is:
  - (1) accessible, at all times, by Company staff operating the Facility and;
  - (2) submitted to the clerk of each local municipality and upper-tier municipality in which the Facility is situated.
- A4. If the Company has a publicly accessible website, the Company shall ensure that the Approval and the Application are posted on the Company's website within five (5) business days of receiving this Approval.
- A5. The Company shall, at least six (6) months prior to the anticipated retirement date of the entire Facility, or part of the Facility, review its Decommissioning Plan Report to ensure that it is still accurate. If the Company determines that the Facility cannot be decommissioned in accordance with the Decommissioning Plan Report, the Company shall provide the Director and District Manager a written description of plans for the decommissioning of the Facility.
- A6. The Facility shall be retired in accordance with the Decommissioning Plan Report and any directions provided by the Director or District Manager.
- A7. The Company shall provide the District Manager and the Director at least ten (10) days written notice of the following:
  - (1) the commencement of any construction or installation activities at the project location; and,
  - (2) the commencement of the operation of the Facility.

- A8. No construction or installation activities shall be commenced at the project location unless the Company has received any required authorizations under the *Endangered Species Act, 2007*.

## B - EXPIRY OF APPROVAL

B1. Construction and installation of the Facility must be completed within three (3) years of the later of:

- (1) the date this Approval is issued; or
- (2) if there is a hearing or other litigation in respect of the issuance of this Approval, the date that this hearing or litigation is disposed of, including all appeals.

B2. This Approval ceases to apply in respect of any portion of the Facility not constructed or installed before the later of the dates identified in Condition No. B1.

## C - NOISE PERFORMANCE LIMITS

C1. The Company shall ensure that:

- (1) the Sound Levels from the Equipment, at the Points of Reception identified in the Acoustic Assessment Report, comply with the Sound Level Limits set in the Noise Guidelines for Wind Farms, as applicable, and specifically as stated in the table below:

Wind Speed (m/s) at 10 m height	4	5	6	7	8	9	10
Sound Level Limits, dBA	40.0	40.0	40.0	43.0	45.0	49.0	51.0

- (2) the Equipment is constructed and installed at either of the following locations:
  - a) at the locations identified in Schedule A of this Approval; or
  - b) at a location that does not vary by more than 10 metres from the locations identified in Schedule A of this Approval and provided that,
    - i) the Equipment will comply with Condition No. C1 (1); and
    - ii) all setback prohibitions established under O.Reg. 359/09 are complied with.

C2. If the Company determines that some or all of the Equipment cannot be constructed in accordance with Condition No. C1 (2), prior to the construction and installation of the Equipment in question, the Company shall apply to the Director for an amendment to the terms and conditions of the Approval.

C3. Within three (3) months of the completion of the construction of the Facility, the Company shall submit to the Director a written confirmation signed by an individual who has the authority to bind the Company that the UTM coordinates of the “as constructed” Equipment comply with the requirements of Condition No. C1 (2).

- C4. The locations identified in Table 5 of the Acoustic Assessment Report as “Receptor ID” numbers VPOR0001 to VPOR0231 are specified as Noise Receptors for the purposes of paragraph 2 of subsection 54 (1.1) of O. Reg. 359/09 and subclause 35 (1) (a) (ii) of O. Reg. 359/09.

## D - ACOUSTIC AUDIT - IMMISSION

- D1. The Company shall carry out an Acoustic Audit - Immission of the Sound Levels produced by the operation of the Equipment in accordance with the following:
- (1) the acoustic audit measurements shall be undertaken in accordance with Part D of the Compliance Protocol for Wind Turbine Noise;
  - (2) the acoustic audit measurements shall be performed by an Independent Acoustical Consultant at three (3) different Points of Reception that have been selected using the following criteria:
    - (a) the Points of Reception should represent the location of the greatest predicted noise impact, i.e. the highest predicted Sound Level; and
    - (b) the Points of Reception should be located in the direction of prevailing winds from the Facility;
  - (3) the acoustic audit measurements shall be performed on two (2) separate occasions within a period of twelve (12) months that represent the lowest annual ambient Sound Levels, preferably:
    - (a) March and April, and
    - (b) October and November
- D2. The Company shall submit to the District Manager and the Director an Acoustic Audit Report-Immision, prepared by an Independent Acoustical Consultant, at the following points in time:
- (1) no later than six (6) months after the commencement of the operation of the Facility for the first of the two (2) acoustic audit measurements at the three (3) Points of Reception; and
  - (2) no later than twelve (12) months after the commencement of the operation of the Facility for the second of the two (2) acoustic audit measurements at the three (3) Points of Reception.

## E - ACOUSTIC AUDIT - EMISSION

- E1. The Company shall carry out an Acoustic Audit - Emission of the acoustic emissions produced by the operation of the wind turbine generators in accordance with the following:

- (1) the acoustic emission measurements shall be undertaken in accordance with the IEC Standard 61400-11;
  - (2) the acoustic emission measurements shall be performed by an Independent Acoustical Consultant; and
  - (3) the acoustic emission measurements shall be performed on any one of the wind turbine generators rated at 2.221 megawatts generating output capacity used in the Facility.
- E2. The Company shall submit to the District Manager and the Director an Acoustic Audit Report-Emission, prepared in accordance with Section 9 of the IEC Standard 61400-11 by an Independent Acoustical Consultant, no later than six (6) months after the commencement of the operation of the Facility.

## **F - STORMWATER MANAGEMENT**

- F1. The Company shall employ best management practices for stormwater management and sediment and erosion control during construction, installation, use, operation, maintenance and retiring of the Facility, as outlined in the Application.

## **G - SEWAGE WORKS OF THE TRANSFORMER SUBSTATION SPILL CONTAINMENT FACILITY**

- G1. The Company shall design and construct a transformer substation spill containment facility which meets the following requirements:
- (1) the spill containment area serving the transformer shall have a minimum volume equal to the volume of transformer oil and lubricants plus the volume equivalent to providing a minimum 24-hour duration, 25-year return storm capacity for the stormwater drainage area around the transformer under normal operating conditions;
  - (2) the containment facility shall have an impervious concrete floor and walls sloped toward an outlet, maintaining a freeboard of 0.25 metres terminating approximately 0.30 metres above grade, with an impervious plastic liner or equivalent, and 1.0 metre layer of crushed stoned within;
  - (3) the containment pad shall drain to an oil control device, such as an oil/water separator, a pump-out sump, an oil absorbing material in a canister or a blind sump; and
  - (4) the oil control device shall be equipped with an oil detection system and appropriate sewage appurtenances as necessary (pumpout manhole, submersible pumps, level controllers, floating oil sensors, etc.) that allows for batch discharges or direct discharges and for proper implementation of the monitoring program described in Condition No. G4.
- G2. The Company shall:

- (1) as a minimum, check the oil detection system on a monthly basis and create a written record of the inspections;
  - (2) ensure that the effluent is essentially free of floating and settle-able solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen or foam on the receiving waters;
  - (3) immediately identify and clean-up all losses of oil from the transformer;
  - (4) upon identification of oil in the effluent pumpout, take immediate action to prevent the further occurrence of such loss; and
  - (5) ensure that equipment and material for the containment, clean-up and disposal of oil and materials contaminated with oil are kept within easy access and in good repair for immediate use in the event of:
    - (a) loss of oil from the transformer,
    - (b) a spill within the meaning of Part X of the Act, or
    - (c) the identification of an abnormal amount of oil in the effluent.
- G3. The Company shall use best efforts to design, construct and operate the sewage works such that the concentration of the effluent parameter named in the table below does not exceed the maximum concentration objective shown for that parameter in the effluent, and shall comply with the following requirements:
- | <b>Effluent Parameters</b> | <b>Maximum Concentration Objective</b> |
|----------------------------|--|
| Oil and Grease             | 15mg/L                                 |
- (1) notify the District Manager as soon as reasonably possible of any exceedance of the maximum concentration objective set out in the table above;
  - (2) take immediate action to identify the cause of the exceedance; and
  - (3) take immediate action to prevent further exceedances.
- G4. Upon commencement of the operation of the Facility, the Company shall establish and carry out the following monitoring program for the sewage works:

- (1) the Company shall collect and analyse the required set of samples at the sampling points listed in the table below in accordance with the measurement frequency and sample type specified for the effluent parameter, oil and grease, and create a written record of the monitoring:

<b>Effluent Parameters</b>	<b>Measurement Frequency and Sample Points</b>	<b>Sample Type</b>
Oil and Grease	B – Batch, i.e., for each discrete volume in the sump	Grab

	prior to pumpout; or Q – Quarterly for direct effluent discharge, i.e., four times over a year, relatively evenly spaced.	
--	--	--

- (2) in the event of an exceedance of the maximum concentration objective set out in the table in Condition No. G3, the Company shall:
  - (a) increase the frequency of sampling to once per month, for each month that effluent discharge occurs, and
  - (b) provide the District Manager, on a monthly basis, with copies of the written record created for the monitoring until the District Manager provides written direction that monthly sampling and reporting is no longer required; and
- (3) if over a period of twenty-four (24) months of effluent monitoring under Condition No. G4(1), there are no exceedances of the maximum concentration set out in the table in Condition No. G3, the Company may reduce the measurement frequency of effluent monitoring to a frequency as the District Manager may specify in writing, provided that the new specified frequency is never less than annual.

G5. The Company shall comply with the following methods and protocols for any sampling, analysis and recording undertaken in accordance with Condition No. G4:

- (1) Ministry of the Environment publication "Protocol for the Sampling and Analysis of Industrial/ Municipal Wastewater," January 1999, as amended from time to time by more recently published editions, and
- (2) the publication "Standard Methods for the Examination of Water and Wastewater", 21st edition, 2005, as amended from time to time by more recently published editions.

## H - WATER TAKING ACTIVITIES

- H1. For foundation dewatering, if the amount of discharge exceeds 50,000 litres per day:
- (1) the inlet pump head shall be surrounded with clear stone and filter fabric;
  - (2) the discharge must be sampled each day that water is discharged and analyzed for total suspended solids (TSS). In the event that sampling results show that TSS in the discharge water exceeds 25 mg/L, the Company shall implement appropriate measures (settling tank or geosock or similar device) to mitigate these impacts; and,
  - (3) the Company shall regulate the discharge at such a rate that there is no flooding in the receiving water body or dissipate the discharge so that no soil erosion is caused that impacts the receiving water body.

- H2. For stream diversion, if the amount of discharge exceeds 50,000 litres per day and dam and pump technology is used:
- (1) the Company shall regulate the discharge at such a rate that there is no flooding in the downstream area and no soil erosion or stream channel scouring caused at the point of discharge. The Company shall use a discharge diffuser or other energy dissipation device, if necessary, to mitigate flows which physically alter the stream channel or banks; and,
  - (2) siltation control measures shall be installed at both the taking location upstream of the construction site and (if necessary) the discharge site and shall be sufficient for the volumes pumped. The Company shall take all measures to properly maintain these control devices throughout the construction period.
- H3. For water takings (by tanker) for the purposes of dust suppression, equipment washing, and similar activities:
- (1) notwithstanding the authorized rate of water taking, this Approval limits the taking of water at any site at the project location for up to 10% of the instantaneous streamflow present on the day or days of taking. The authorized water taking rate may therefore have to be adjusted downward to remain within this 10% maximum;
  - (2) prior to taking water from any site at the project location, the Company shall contact the Long Point Region Conservation Authority to determine if any low water conditions have been declared and are in effect. The Company shall not take water if a Level 2 or Level 3 low water condition has been declared; and,
  - (3) no modification to the existing stream channel by excavation or damming is permitted under this Approval.

## **I - BIRD AND BAT MONITORING**

- I1. The Company shall implement its Post Construction Follow-up Plan submitted as part of the Application.
- I2. If the Company determines that it must deviate from its Post Construction Follow-up Plan, the Company shall contact the District Manager at the Guelph District Office of the Ministry of Natural Resources and the Director, prior to making any changes to the methodology in the Post Construction Follow-up Plan, and follow any directions provided.
- I3. The Company shall contact the District Manager at the Guelph District Office of the Ministry of Natural Resources and the Director if the mortality thresholds stated in its Post Construction Follow-up Plan are reached for either bird or bats.

## **J - TRAFFIC MANAGEMENT PLANNING**

- J1. Within three (3) months of receiving this Approval, the Company shall prepare a Traffic Management Plan and provide it to Haldimand County.
- J2. Within three (3) months of having provided the Traffic Management Plan to Haldimand County, the Company shall make reasonable efforts to enter into a Road Users Agreement with Haldimand County.
- J4. If a Road Users Agreement has not been signed with Haldimand County within three (3) months of having provided the Traffic Management Plan to Haldimand County, the Company shall provide a written explanation to the Director as to why this has not occurred.

## **K - ARCHAEOLOGICAL RESOURCES**

- K1. The Company shall implement all of the recommendations, if any, for further archaeological fieldwork and for the protection of archaeological sites found in the consultant archaeologist's report included in the Application, and which the Company submitted to the Ministry of Tourism and Culture in order to comply with clause 22 (2) (b) of O. Reg. 359/09.
- K2. Should any previously undocumented archaeological resources be discovered, the Company shall:
  - (1) cease all alteration of the area in which the resources were discovered immediately;
  - (2) engage a consultant archaeologist to carry out the archaeological fieldwork necessary to further assess the area and to either protect and avoid or excavate any sites in the area in accordance with the *Ontario Heritage Act*, the regulations under that act and the Ministry of Tourism and Culture's *Standards and Guidelines for Consultant Archaeologists*; and
  - (3) notify the Director as soon as reasonably possible.

## **L - COMMUNITY LIAISON COMMITTEE**

- L1. Within three (3) months of receiving this Approval, the Company shall make reasonable efforts to establish a Community Liaison Committee. The Community Liaison Committee shall be a forum to exchange ideas and share concerns with interested residents and members of the public. The Community Liaison Committee shall be established by:
  - (1) publishing a notice in a newspaper with general circulation in each local municipality in which the project location is situated; and
  - (2) posting a notice on the Company's publicly accessible website, if the Company has a website; to notify members of the public about the proposal for a Community Liaison Committee and invite residents living within a one (1) kilometre radius of the Facility that may have an interest in the Facility to participate on the Community Liaison Committee.

- L2. The Company may invite other members of stakeholders to participate in the Community Liaison Committee, including, but not limited to, local municipalities, local conservation authorities, Aboriginal communities, federal or provincial agencies, and local community groups.
- L3. The Community Liaison Committee shall consist of at least one Company representative who shall attend all meetings.
- L4. The purpose of the Community Liaison Committee shall be to:
  - (1) act as a liaison facilitating two way communications between the Company and members of the public with respect to issues relating to the construction, installation, use, operation, maintenance and retirement of the Facility;
  - (2) provide a forum for the Company to provide regular updates on, and to discuss issues or concerns relating to, the construction, installation, use, operation, maintenance and retirement of the Facility with members of the public; and
  - (3) ensure that any issues or concerns resulting from the construction, installation, use, operation, maintenance and retirement of the Facility are discussed and communicated to the Company.
- L5. The Community Liaison Committee shall be deemed to be established on the day the Director is provided with written notice from the Company that representative Community Liaison Committee members have been chosen and a date for a first Community Liaison Committee meeting has been set.
- L6. If a Community Liaison Committee has not been established within three (3) months of receiving this Approval, the Company shall provide a written explanation to the Director as to why this has not occurred.
- L7. The Company shall ensure that the Community Liaison Committee operates for a minimum period of two (2) years from the day it is established. During this two (2) year period, the Company shall ensure that the Community Liaison Committee meets a minimum of two (2) times per year. At the end of this two (2) year period, the Company shall contact the Director to discuss the continued operation of the Community Liaison Committee.
- L8. The Company shall ensure that all Community Liaison Committee meetings are open to the general public.
- L9. The Company shall provide administrative support for the Community Liaison Committee including, at a minimum:
  - (1) providing a meeting space for Community Liaison Committee meetings; and
  - (2) providing access to resources, such as a photocopier, stationary, and office supplies, so that the Community Liaison Committee can:

- (a) prepare and distribute meeting notices;
  - (b) record and distribute minutes of each meeting; and
  - (c) prepare reports about the Community Liaison Committee's activities.
- L10. The Company shall submit any reports of the Community Liaison Committee to the Director and post it on the Company's publicly accessible website, if the Company has a website.
- M - OPERATION AND MAINTENANCE**
- M1. Prior to the commencement of the operation of the Facility, the Company shall prepare a written manual for use by Company staff outlining the operating procedures and a maintenance program for the Equipment, including the sewage works of the transformer substation spill containment facility, that includes as a minimum the following:
- (1) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
  - (2) inspection programs including frequency of inspection and the methods or tests employed to detect when maintenance is necessary;
  - (3) repair and maintenance programs, including the frequency of repair and maintenance;
  - (4) emergency procedures;
  - (5) procedures for any record keeping activities relating to operation and maintenance of the Equipment, including the sewage works of the transformer spill containment facility;
  - (6) all appropriate measures to minimize noise emissions from the Equipment; and
  - (7) any additional information requested in writing by the District Manager from time to time.
- M2. The Company shall;
- (1) update as required the manual described in Condition No. M1; and
  - (2) make the manual described in Condition No. M1 available for review by the Ministry upon request.
- M3. The Company shall ensure that the Facility is operated and maintained in accordance with the Approval and the manual described in Condition No. M1.

**N - RECORD CREATION AND RETENTION**

- N1. The Company shall create written records consisting of the following:

- (1) an operations log summarizing the operation and maintenance activities of the Facility;
  - (2) within the operations log, a summary of routine and Ministry staff inspections of the Facility; and
  - (3) a record of any complaint alleging an Adverse Effect caused by the construction, installation, use, operation, maintenance or retirement of the Facility.
- N2. A record described under Condition No. N1(3) shall include:
- (1) a description of the complaint that includes as a minimum the following:
    - a) the date and time the complaint was made;
    - b) the name, address and contact information of the person who submitted the complaint;
  - (2) a description of each incident to which the complaint relates that includes as a minimum the following:
    - a) the date and time of each incident;
    - b) the duration of each incident;
    - c) the wind direction and wind speed at the time of each incident;
    - d) the ID of the Equipment involved in each incident and its output at the time of each incident;
    - e) the location of the person who submitted the complaint at the time of each incident; and
  - (3) a description of the measures taken to address the cause of each incident to which the complaint relates and to prevent a similar occurrence in the future.
- N3. The Company shall retain, for a minimum of five (5) years from the date of their creation, all records described in Condition No. N1 and N2, and make these records available for review by the Ministry upon request.

## **O - NOTIFICATION OF COMPLAINTS**

- O1. The Company shall notify the District Manager of each complaint within two (2) business days of the receipt of the complaint.
- O2. The Company shall provide the District Manager with the written records created under Condition No. N2 within eight (8) business days of the receipt of the complaint.

## **P - ABORIGINAL CONSULTATION**

- P1. The Company shall maintain ongoing communications with interested Aboriginal communities during the construction, installation, and operation of the Facility.
- P2. The Company shall fulfil all commitments made to Aboriginal communities during the construction, installation, and operation of the Facility, including but not limited to, providing the following to interested Aboriginal communities that have requested or may request it:
- (1) updated project information, including the results of monitoring activities undertaken and copies of additional archaeological assessment reports that may be prepared; and;
  - (2) updates on key steps in the construction, installation, and operation phases of the Facility, including notice of the commencement of construction activities at the project location.
- P3. If an interested Aboriginal community requests a meeting to obtain information relating to the construction, installation, and operation of the Facility, the Company shall use best efforts to arrange and participate in such a meeting.
- P4 If any archaeological resources of Aboriginal origin are found during the construction of the Facility, the Company shall:
- (1) notify the Six Nations of the Grand River and the Mississaugas of the New Credit and any other Aboriginal community considered likely to be interested or which has expressed an interest in such finds; and,
  - (2) arrange and participate in any meeting requested by an interested Aboriginal community to discuss the archaeological find(s) and/or the use of Aboriginal archaeological liaisons.
- P5 The Company shall coordinate with the Six Nations of the Grand River consultation team to assess anecdotal information that the team has gathered from Six Nations harvester about any changes in deer behaviour during the construction, installation and operation of the Facility.

## **Q - CHANGE OF OWNERSHIP**

- Q1. The Company shall notify the Director in writing, and forward a copy of the notification to the District Manager, within thirty (30) days of the occurrence of any of the following changes:
- (1) the ownership of the Facility;
  - (2) the operator of the Facility;
  - (3) the address of the Company;

- (4) the partners, where the Company is or at any time becomes a partnership and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B.17, as amended, shall be included in the notification; and
- (5) the name of the corporation where the Company is or at any time becomes a corporation, other than a municipal corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C.39, as amended, shall be included in the notification.

*The reasons for the imposition of these terms and conditions are as follows:*

## **REASONS**

1. Condition Nos. A1 and A2 are imposed to ensure that the Facility is constructed, installed, used, operated, maintained and retired in the manner in which it was described for review and upon which Approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition Nos. A3 and A4 are included to require the Company to provide information to the public and the local municipality.
3. Condition Nos. A5 and A6 are included to ensure that final retirement of the Facility is completed in an aesthetically pleasing manner, in accordance with Ministry standards, and to ensure long-term protection of the health and safety of the public and the environment.
4. Conditions No. A7 is included to require the Company to provide information to the district Ministry of the Environment.
5. Condition No. A8 is included to ensure that the Company has the necessary permits under the *Endangered Species Act* prior to the commencement of construction.
6. Conditions B are intended to limit the time period of the Approval.
7. Conditions C are included to provide the minimum performance requirement considered necessary to prevent an Adverse Effect resulting from the operation of the Equipment and to ensure that the noise emissions from the Equipment will be in compliance with applicable limits set in the Noise Guidelines for Wind Farms and to ensure that the Equipment is constructed, installed, used, operated, maintained and retired in a way that meets the regulatory setback prohibitions set out in Ontario Regulation 359/09.
8. Conditions D and E are included to require the Company to gather accurate information so that the environmental noise impact and subsequent compliance with the Act, O.Reg. 359/09, the Noise guidelines for Wind Farms and this Approval can be verified.

9. Conditions F, G, H, I, and J are included to ensure that the Facility is constructed, installed, used, operated, maintained and retired in a way that does not result in an Adverse Effect or hazard to the natural environment or any persons.
10. Conditions K are included to protect archaeological resources that may be found at the project location.
11. Conditions L are include to ensure continued communication between the Company and the local residents.
12. Conditions M are included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulation and this Approval.
13. Conditions N are included to require the Company to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulation and this Approval can be verified.
14. Conditions O are included to ensure that any complaints regarding the construction, installation, use, operation, maintenance, or retirement of the Facility are responded to in an efficient manner.
15. Conditions P are included to ensure continued communication between the Company and Aboriginal communities.
16. Condition Q is included to ensure that the Facility is operated under the corporate name which appears on the application form submitted for this Approval and to ensure that the Director is informed of any changes.

## Schedule A

### Coordinates of the Equipment

Wind Turbine Generators: Siemens 2.221-101; 80 m towers					
ID	Coordinates, UTM z17 NAD83		ID	Coordinates, UTM z17 NAD83	
	Easting, m	Northing, m		Easting, m	Northing, m
WTG-001	576124	4749873	WTG-032	590737	4746531
WTG-003	574742	4748226	WTG-033	594906	4747489
WTG-004	575685	4748309	WTG-034	588348	4744337
WTG-005	576990	4748661	WTG-035	588779	4744087
WTG-006	578518	4748834	WTG-036	589271	4744225
WTG-007	579869	4749156	WTG-037	589975	4744279
WTG-008	580947	4749341	WTG-038	591475	4744600
WTG-009	586015	4749711	WTG-039	591880	4745113
WTG-010	586837	4749912	WTG-040	592721	4744952
WTG-011	587326	4751141	WTG-041	593224	4745318
WTG-012	572316	4746292	WTG-042	593522	4745702
WTG-013	572920	4746475	WTG-043	594899	4745794
WTG-014	574224	4746586	WTG-044	596210	4746279
WTG-015	576150	4746799	WTG-045	596181	4745775
WTG-016	577821	4747047	WTG-046	597119	4745943
WTG-017	582468	4747896	WTG-047	597181	4746416
WTG-018	588422	4748589	WTG-048	590280	4742517
WTG-019	590644	4749342	WTG-049	590293	4742174
WTG-020	573903	4745199	WTG-050	590314	4741857
WTG-021	577726	4746477	WTG-051	592008	4742791
WTG-022	579685	4746426	WTG-052	593087	4743349
WTG-023	580952	4746798	WTG-053	593930	4743637
WTG-024	582973	4747085	WTG-054	595213	4744131
WTG-025	583914	4747307	WTG-055	596817	4743995
WTG-026	584940	4747269	WTG-056	597076	4743766
WTG-027	586761	4746915	WTG-057	579024	4749020
WTG-028	591259	4748123	WTG-058	584373	4748649
WTG-030	587383	4745469	WTG-059	577118	4747104
WTG-031	589357	4746128	WTG-061	577924	4745876
Transformer Substation				582616	4747537

## **NOTICE REGARDING HEARINGS**

*In accordance with Section 139 of the Environmental Protection Act, within 15 days after the service of this notice, you may by further written notice served upon the Director, the Environmental Review Tribunal and the Environmental Commissioner, require a hearing by the Tribunal.*

*In accordance with Section 47 of the Environmental Bill of Rights, 1993, the Environmental Commissioner will place notice of your request for a hearing on the Environmental Registry.*

*Section 142 of the Environmental Protection Act provides that the notice requiring the hearing shall state:*

1. The portions of the renewable energy approval or each term or condition in the renewable energy approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The signed and dated notice requiring the hearing should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The renewable energy approval number;
6. The date of the renewable energy approval;
7. The name of the Director;
8. The municipality or municipalities within which the project is to be engaged in;

*This notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, 15th Floor  
Toronto, Ontario  
M5G 1E5

AND  
The Environmental Commissioner  
1075 Bay Street, 6th Floor  
Suite 605  
Toronto, Ontario  
M5S 2B1

AND  
The Director  
Section 47.5, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)

*Under Section 142.1 of the Environmental Protection Act, residents of Ontario may require a hearing by the Environmental Review Tribunal within 15 days after the day on which notice of this decision is published in the Environmental Registry. By accessing the Environmental Registry at [www.ebr.gov.on.ca](http://www.ebr.gov.on.ca), you can determine when this period ends.*

*Approval for the above noted renewable energy project is issued to you under Section 47.5 of the Environmental Protection Act subject to the terms and conditions outlined above.*

DATED AT TORONTO this 16th day of March, 2012



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Vic Schroter, P.Eng.  
Director  
Section 47.5, *Environmental Protection Act*

KR/

c: District Manager, MOE Hamilton - District  
Thomas Bird, NextEra Energy Canada

## APPENDIX C

# MEASUREMENT EQUIPMENT



## Sound Level Meter 2270

Sound Level Meter	
Make and Model	Brüel & Kjær Modular Precision Sound Analyzer Type 2250
Serial No.	3003575
Preamplifier	
Make and Type	Brüel & Kjær Preamplifier Type ZC-0032
Serial No.	19187
Microphone	
Make and Type	Brüel & Kjær ½" Sound Microphone Type 4189
Serial No.	2870433
Calibrator	
Make and Type	Larson-Davis CAL200 precision acoustic calibrator (1000 Hz)
Serial No.	Various

# MANUFACTURER'S CERTIFICATE OF CONFORMANCE

We certify that Brüel & Kjær -2270--D00- Serial No. 3003575 has been tested and passed all production tests, confirming compliance with the manufacturer's published specification at the date of the test.

The final test has been performed using calibrated equipment, traceable to National or International Standards or by ratio measurements.

Brüel & Kjær is certified under ISO 9001:2008 assuring that all test data is retained on file and is available for inspection upon request.

Nærum 30-maj-2013



Torben Bjørn  
Vice President, Operations

Please note that this document is not a calibration certificate.  
For information on our calibration services please contact your nearest Brüel & Kjær office.

HEADQUARTERS: Brüel & Kjær Sound & Vibration Measurement A/S · DK-2850 Nærum · Denmark  
Telephone: +45 7741 2000 · Fax: +45 4580 1405 · www.bksv.com · info@bksv.com  
Local representatives and service organisations worldwide

Brüel & Kjær 

BA 0238 - 18



**Sound Pressure Level:** 94.00 or 114.00 dB  $\pm 0.20$  dB  
(re 20  $\mu$ Pa at reference conditions)

**Frequency:** 1000 Hz  $\pm 0.1\%$

**Distortion:** <1%

**Reference Conditions:**

Temperature:	23°C
Pressure:	101.325 kPa
Humidity:	50% RH
Load:	0.25 cm <sup>3</sup> (½" Brüel & Kjær Mic.)

Date: 18/03/13 Signed: Janjan L

2270 kit 1



The Brüel & Kjær Calibration Laboratory  
2815 Colonnades Court  
Norcross, GA 30071-1588  
Telephone: 770/209-6907  
Fax: 770/447-4033  
Web site address:  
<http://www.bkhome.com>



Calibration  
Certificate  
Number  
1568.01

## CERTIFICATE OF CALIBRATION

Certificate No: CAS-26217-F9H5B7-102

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### CALIBRATION OF:

Sound Level Meter:	Brüel & Kjær	2270	Serial No: 3003575
Microphone:	Brüel & Kjær	4189	Serial No: 2870433
Preamplifier:	Brüel & Kjær	ZC-0032	Serial No: 19187
Supplied Calibrator:	Brüel & Kjær	4231	Serial No: 3007362
Software version:	BZ7222 Version 4.3.1		

### CLIENT:

RWDI Air  
650 Woodland Road West  
Guelph, ON N1K 1B8

### CALIBRATION CONDITIONS:

Preconditioning: 4 hours at 23 ± 3 °C  
Environment conditions See actual values in Environmental Condition sections

### SPECIFICATIONS:

This document certifies that the instrument as listed under "Model/Serial Number" has been calibrated and unless otherwise indicated under "Final Data", meets acceptance criteria as prescribed by the referenced Procedure. The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor  $k = 2$  providing a level of confidence of approximately 95%. Statements of compliance, where applicable, are based on calibration results falling within specified criteria with no reduction by the uncertainty of the measurement. The calibration of the listed instrumentation, was accomplished using a test system which conforms with the requirements of ISO/IEC 17025, ANSI/NCSL Z540-1, and ISO 10012-1. For "as received" and/or "final" data, see the attached page(s). Items marked with one asterisk (\*) are not covered by the scope of the current A2LA accreditation. This Certificate and attached data pages shall not be reproduced, except in full, without the written approval of the Brüel and Kjær Calibration Laboratory-Norcross, GA. Results relate only to the items tested. This instrument has been calibrated using Measurement Standards with values traceable to the National Institute of Standards and Technology, National Measurement Institutes or derived from natural physical constants.

### PROCEDURE:

Brüel and Kjær Model 3630 Sound Level Meter Calibration System Software 7763 Version 5.0 - DB: 5.00 Test Collection 2270-4189.

### RESULTS:

As Received Condition	As Received Data	Final Data
<input checked="" type="checkbox"/> Received in good condition	<input checked="" type="checkbox"/> Within acceptance criteria	<input checked="" type="checkbox"/> Within acceptance criteria
<input type="checkbox"/> Damaged - See attached report	<input type="checkbox"/> Outside acceptance criteria	<input type="checkbox"/> Limited test - See attached details
	<input type="checkbox"/> Inoperative	
	<input type="checkbox"/> Data not taken	

Date of Calibration: 23 Dec. 2014

Certificate issued: 23 Dec. 2014

John Avitabile

Calibration Technician

Quality Representative

# CERTIFICATE OF CALIBRATION

Certificate No: CAS-26217-F9H5B7-102

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## Summary

Preliminary inspection	<u>Passed</u>
Environmental conditions, Prior to calibration	<u>Passed</u>
Reference information	<u>Passed</u>
Indication at the calibration check frequency	<u>Passed</u>
Self-generated noise, Microphone installed	<u>Passed</u>
Acoustical signal tests of a frequency weighting, C weighting	<u>Passed</u>
Self-generated noise, Electrical	<u>Passed</u>
Electrical signal tests of frequency weightings, A weighting	<u>Passed</u>
Electrical signal tests of frequency weightings, C weighting	<u>Passed</u>
Electrical signal tests of frequency weightings, Z weighting	<u>Passed</u>
Frequency and time weightings at 1 kHz	<u>Passed</u>
Level linearity on the reference level range, Upper	<u>Passed</u>
Level linearity on the reference level range, Lower	<u>Passed</u>
Toneburst response, Time-weighting Fast	<u>Passed</u>
Toneburst response, Time-weighting Slow	<u>Passed</u>
Toneburst response, LAE	<u>Passed</u>
Peak C sound level, 8 kHz	<u>Passed</u>
Peak C sound level, 500 Hz	<u>Passed</u>
Overload indication	<u>Passed</u>
Environmental conditions, Following calibration	<u>Passed</u>

The sound level meter submitted for periodic testing successfully completed the class 1 tests of IEC 61672-3:2006, for the environmental conditions under which the tests were performed.

However, no general statement or conclusion can be made about conformance of the sound level meter to the full requirements of IEC 61672-1:2002 because evidence was not publicly available, from an independent testing organization responsible for pattern approvals, to demonstrate that the model of sound level meter fully conformed to the requirements in IEC 61672-1:2002 and because the periodic test of IEC 61672-3:2006 cover only a limited subset of the specifications in IEC 61672-1:2002.

Conformance to the requirements of IEC 61672-3:2006, is demonstrated when the measured deviations extended by the actual expanded uncertainties of measurement, do not exceed the applicable tolerance limits given in IEC 61672-1:2002. (as specified in IEC 61672-3:2006 § 4.1)

## Instruments

<u>Category:</u>	<u>Type:</u>	<u>Manufacturer:</u>	<u>Serial No.:</u>	<u>Next Calibration Date:</u>	<u>Traceable to:</u>
Generator	Pulse Generator	Brüel & Kjær	2659239	06 Jan. 2015	CAS-18120-G6J8G8-101
Adaptor	WA0302B, 15 pF	Brüel & Kjær	2368689	28 Feb. 2015	333140
Amplifier/Divider	3111 Output Module	Brüel & Kjær	2456831	06 Jan. 2015	CAS-18120-G6J8G8-101
Calibrator	4226	Brüel & Kjær	2141982	25 Apr. 2015	1-396400345-307
Voltmeter	DMM34970A	Agilent	MY44076819	25 Jun. 2015	358581

## Preliminary inspection

Visually inspect instrument, and operate all relevant controls. (section 5)

Result

Visual inspection OK

## Environmental conditions, Prior to calibration

Actual environmental conditions prior to calibration. (section 7)

Measured

[Deg / kPa /  
%RH]

Air temperature 23.00

Air pressure 97.70

Relative humidity 41.00

## Reference information

Information about reference range, level and channel. (section 19.h + 19.m)

Value

[dB]

Reference sound pressure level 94

Reference level range 140

Channel number 1

## Indication at the calibration check frequency

Measure and adjust sound level meter using the supplied calibrator. (section 9 + 19.m)

Measured      Uncertainty

[dB / Hz]      [dB / Hz]

Initial indication (supplied calibrator) 93.85 0.14

Calibration check frequency (supplied calibrator) 1000.00 1.00

Adjusted indication (supplied calibrator) 93.85 0.14

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## Self-generated noise, Microphone installed

Self-generated noise measured with microphone submitted for periodic testing. Averaging time is 30 seconds. An anechoic chamber is used to isolate environmental noise. (section 10.1)

	Max [dB]	Measured [dB]	Deviation [dB]	Uncertainty [dB]	*
A weighted	17.70	16.34	-1.36	0.50	*
Monitor Level	20.70	12.10	-8.60	1.00	*

## Acoustical signal tests of a frequency weighting, C weighting

Frequency weightings measured acoustically with a calibrated multi-frequency sound calibrator. Averaging time is 10 seconds, and the result is the average of 2 measurements. (section 11)

	Coupler Pressure Lc [dB]	Mic. Correction C4226 [dB]	Body Influence [dB]	Expected [dB]	Measured [dB]	Corr. Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]
1000Hz, Ref. (1st)	93.97	0.10	-0.07	93.94	93.68	93.68	-1.1	1.1	-0.26	0.20
1000Hz, Ref. (2nd)	93.97	0.10	-0.07	93.94	93.68	93.68	-1.1	1.1	-0.26	0.20
1000Hz, Ref. (Average)	93.97	0.10	-0.07	93.94	93.68	93.68	-1.1	1.1	-0.26	0.20
125.89Hz (1st)	93.97	0.00	0.00	93.58	93.58	93.58	-1.5	1.5	0.00	0.20
125.89Hz (2nd)	93.97	0.00	0.00	93.58	93.58	93.58	-1.5	1.5	0.00	0.20
125.89Hz (Average)	93.97	0.00	0.00	93.58	93.58	93.58	-1.5	1.5	0.00	0.20
3981.1Hz (1st)	93.85	0.90	-0.09	92.05	92.19	92.19	-1.6	1.6	0.14	0.30
3981.1Hz (2nd)	93.85	0.90	-0.09	92.05	92.19	92.19	-1.6	1.6	0.14	0.30
3981.1Hz (Average)	93.85	0.90	-0.09	92.05	92.19	92.19	-1.6	1.6	0.14	0.30
7943.3Hz (1st)	93.73	2.80	-0.08	87.82	88.33	88.33	-3.1	2.1	0.51	0.40
7943.3Hz (2nd)	93.73	2.80	-0.08	87.82	88.33	88.33	-3.1	2.1	0.51	0.40
7943.3Hz (Average)	93.73	2.80	-0.08	87.82	88.33	88.33	-3.1	2.1	0.51	0.40

## Self-generated noise, Electrical

Self-generated noise measured in most sensitive range, with electrical substitution for microphone, according to manufacturers specifications.

Exceedance of the measured level above the corresponding level given in the instruction manual does not, by itself, mean that the performance of the sound level meter is no longer acceptable for many practical applications. (section 10.2)

	Max [dB]	Measured [dB]	Uncertainty [dB]	*
A weighted	13.60	12.29	0.30	*
C weighted	14.30	12.46	0.30	*
Z weighted	19.40	18.35	0.30	*

## Electrical signal tests of frequency weightings, A weighting

Frequency response measured with electrical signal relative to level at 1 kHz in reference range. (section 12)

	Input Level [dBV]	Expected [dB]	Measured [dB]	El.+Acous. Resp. [dB]	Body Influence [dB]	Corr. Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]
1000Hz, Ref.	-24.41	95.00	95.00	0.01	-0.07	94.94	-1.1	1.1	-0.06	0.12
63.096Hz	1.79	95.00	95.01	0.00	0.00	95.01	-1.5	1.5	0.01	0.12
125.89Hz	-8.31	95.00	95.00	0.00	0.00	95.00	-1.5	1.5	0.00	0.12
251.19Hz	-15.81	95.00	94.97	0.00	0.07	95.04	-1.4	1.4	0.04	0.12
501.19Hz	-21.21	95.00	94.96	-0.01	0.22	95.17	-1.4	1.4	0.17	0.12
1995.3Hz	-25.61	95.00	95.01	0.04	-0.09	94.96	-1.6	1.6	-0.04	0.12
3981.1Hz	-25.41	95.00	94.99	0.04	-0.09	94.94	-1.6	1.6	-0.06	0.12
7943.3Hz	-23.31	95.00	95.00	-0.03	-0.08	94.89	-3.1	2.1	-0.11	0.12
15849Hz	-17.81	95.00	94.10	0.87	0.11	95.08	-17.0	3.5	0.08	0.12

## Electrical signal tests of frequency weightings, C weighting

Frequency response measured with electrical signal relative to level at 1 kHz in reference range. (section 12)

	Input Level [dBV]	Expected [dB]	Measured [dB]	El.+Acous. Resp. [dB]	Body Influence [dB]	Corr. Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]
1000Hz, Ref.	-24.41	95.00	95.00	0.01	-0.07	94.94	-1.1	1.1	-0.06	0.12
63.096Hz	-23.61	95.00	94.97	0.00	0.00	94.97	-1.5	1.5	-0.03	0.12
125.89Hz	-24.21	95.00	95.02	0.00	0.00	95.02	-1.5	1.5	0.02	0.12
251.19Hz	-24.41	95.00	94.99	0.00	0.07	95.06	-1.4	1.4	0.06	0.12
501.19Hz	-24.41	95.00	95.03	-0.01	0.22	95.24	-1.4	1.4	0.24	0.12
1995.3Hz	-24.21	95.00	95.04	0.04	-0.09	94.99	-1.6	1.6	-0.01	0.12
3981.1Hz	-23.61	95.00	95.01	0.04	-0.09	94.96	-1.6	1.6	-0.04	0.12
7943.3Hz	-21.41	95.00	95.00	-0.03	-0.08	94.89	-3.1	2.1	-0.11	0.12
15849Hz	-15.91	95.00	94.08	0.87	0.11	95.06	-17.0	3.5	0.06	0.12

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## Electrical signal tests of frequency weightings, Z weighting

Frequency response measured with electrical signal relative to level at 1 kHz in reference range. (section 12)

	Input Level [dBV]	Expected [dB]	Measured [dB]	El.+Acous. Resp. [dB]	Body Influence [dB]	Corr. Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]
1000Hz, Ref.	-24.41	95.00	95.00	0.01	-0.07	94.94	-1.1	1.1	-0.06	0.12
63.096Hz	-24.41	95.00	94.98	0.00	0.00	94.98	-1.5	1.5	-0.02	0.12
125.89Hz	-24.41	95.00	94.98	0.00	0.00	94.98	-1.5	1.5	-0.02	0.12
251.19Hz	-24.41	95.00	94.99	0.00	0.07	95.06	-1.4	1.4	0.06	0.12
501.19Hz	-24.41	95.00	95.00	-0.01	0.22	95.21	-1.4	1.4	0.21	0.12
1995.3Hz	-24.41	95.00	95.01	0.04	-0.09	94.96	-1.6	1.6	-0.04	0.12
3981.1Hz	-24.41	95.00	95.03	0.04	-0.09	94.98	-1.6	1.6	-0.02	0.12
7943.3Hz	-24.41	95.00	95.00	-0.03	-0.08	94.89	-3.1	2.1	-0.11	0.12
15849Hz	-24.41	95.00	94.13	0.87	0.11	95.11	-17.0	3.5	0.11	0.12

## Frequency and time weightings at 1 kHz

Frequency and time weighting measured at 1 kHz with electrical signal in reference range. Measured relative to A-weighted and Fast response. (section 13)

	Expected [dB]	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]
LAF, Ref.	94.00	94.00	-0.4	0.4	0.00	0.12
LCF	94.00	94.00	-0.4	0.4	0.00	0.12
LZF	94.00	94.00	-0.4	0.4	0.00	0.12
LAS	94.00	93.96	-0.3	0.3	-0.04	0.12
LAeq	94.00	93.99	-0.3	0.3	-0.01	0.12

## Level linearity on the reference level range, Upper

Level linearity in reference range, measured at 8 kHz until overload. (section 14)

	Expected [dB]	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]
94 dB	94.00	94.00	-1.1	1.1	0.00	0.12
99 dB	99.00	99.00	-1.1	1.1	0.00	0.12
104 dB	104.00	104.00	-1.1	1.1	0.00	0.12
109 dB	109.00	109.00	-1.1	1.1	0.00	0.12
114 dB	114.00	114.01	-1.1	1.1	0.01	0.12
119 dB	119.00	119.02	-1.1	1.1	0.02	0.12
124 dB	124.00	124.02	-1.1	1.1	0.02	0.12
129 dB	129.00	129.02	-1.1	1.1	0.02	0.12
134 dB	134.00	134.02	-1.1	1.1	0.02	0.12
135 dB	135.00	135.02	-1.1	1.1	0.02	0.12
136 dB	136.00	136.02	-1.1	1.1	0.02	0.12
137 dB	137.00	137.02	-1.1	1.1	0.02	0.12
138 dB	138.00	138.02	-1.1	1.1	0.02	0.12
139 dB	139.00	139.02	-1.1	1.1	0.02	0.12

## Level linearity on the reference level range, Lower

Level linearity in reference range, measured at 8 kHz down to lower limit, or until underrange. (section 14)

Expected [dB]	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]
94 dB	94.00	-1.1	1.1	0.00	0.12
89 dB	89.00	-1.1	1.1	0.00	0.12
84 dB	84.00	-1.1	1.1	0.00	0.12
79 dB	79.00	-1.1	1.1	0.00	0.12
74 dB	74.00	-1.1	1.1	0.00	0.12
69 dB	69.00	-1.1	1.1	0.00	0.12
64 dB	64.00	-1.1	1.1	0.00	0.12
59 dB	59.00	-1.1	1.1	0.00	0.12
54 dB	54.00	-1.1	1.1	0.00	0.12
49 dB	49.00	-1.1	1.1	0.01	0.12
44 dB	44.00	-1.1	1.1	0.02	0.12
39 dB	39.00	-1.1	1.1	0.05	0.30
34 dB	34.00	-1.1	1.1	0.10	0.30
29 dB	29.00	-1.1	1.1	0.30	0.30
28 dB	28.00	-1.1	1.1	0.35	0.30
27 dB	27.00	-1.1	1.1	0.51	0.30
26 dB	26.00	-1.1	1.1	0.51	0.30
25 dB	25.00	-1.1	1.1	0.63	0.30

## Toneburst response, Time-weighting Fast

Response to 4 kHz toneburst measured in reference range, relative to continuous signal. (section 16)

Expected [dB]	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]	*
Continuous, Ref.	137.00	-0.8	0.8	0.00	0.11	*
200 ms Burst	136.00	-0.8	0.8	-0.01	0.11	*
2 ms Burst	119.00	-1.8	1.3	-0.06	0.11	*
0.25 ms Burst	110.00	-3.3	1.3	-0.14	0.11	*

## Toneburst response, Time-weighting Slow

Response to 4 kHz toneburst measured in reference range, relative to continuous signal. (section 16)

Expected [dB]	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]	*
Continuous, Ref.	137.00	-0.8	0.8	0.00	0.11	*
200 ms Burst	129.60	-0.8	0.8	0.00	0.11	*
2 ms Burst	110.00	-3.3	1.3	-0.01	0.11	*

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## Toneburst response, LAE

Response to 4 kHz toneburst measured in reference range, relative to continuous signal. (section 16)

	Expected [dB]	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]	
Continuous, Ref.	137.00	137.00	-0.8	0.8	0.00	0.11	*
200 ms Burst	130.00	129.99	-0.8	0.8	-0.01	0.11	*
2 ms Burst	110.00	109.96	-1.8	1.3	-0.04	0.11	*
0.25 ms Burst	101.00	100.85	-3.3	1.3	-0.15	0.11	*

## Peak C sound level, 8 kHz

Peak-response to a 8 kHz single- cycle sine measured in least-sensitive range, relative to continuous signal. (section 17)

	Expected [dB]	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]	
Continuous, Ref.	135.00	135.00	-0.4	0.4	0.00	0.11	
Single Sine	138.40	138.40	-2.4	2.4	0.00	0.40	

## Peak C sound level, 500 Hz

Peak-response to a 500 Hz half-cycle sine measured in least-sensitive range, relative to continuous signal. (section 17)

	Expected [dB]	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]	
Continuous, Ref.	135.00	135.00	-0.4	0.4	0.00	0.11	
Half-sine, Positive	137.40	137.12	-1.4	1.4	-0.28	0.40	
Half-sine, Negative	137.40	137.12	-1.4	1.4	-0.28	0.40	

---

## Overload indication

Overload indication in the least sensitive range determined with a 4 kHz positive/negative half-cycle signal.  
(section 18)

	Measured [dB]	Accept - Limit [dB]	Accept + Limit [dB]	Deviation [dB]	Uncertainty [dB]
Continuous	140.00	-0.4	0.4	0.00	0.20
Half-sine, Positive	141.10	-10.0	10.0	1.10	0.20
Half-sine, Negative	141.10	-10.0	10.0	1.10	0.20
Difference	141.10	-1.8	1.8	0.00	0.30

## Environmental conditions, Following calibration

Actual environmental conditions following calibration. (section 7)

	Measured [Deg / kPa / %RH]
Air temperature	23.00
Air pressure	97.70
Relative humidity	40.00



North America Inc.

The Brüel and Kjaer Calibration Laboratory  
2815-A Colonnades Court  
Norcross, GA 30071-1588  
Telephone: 770-209-6907  
Fax: 770-447-4033  
Web site address: <http://www.bkhome.com>



Calibration  
Certificate  
# 1568.01

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### CALIBRATION OF:

Microphone: Brüel & Kjær Type 4189 Serial No. 2870433

### CUSTOMER:

RWDI Air Inc.  
650 Woodlawn Road West  
Guelph, ON N1K 1B8

### CALIBRATION CONDITIONS:

Environment conditions:	Air temperature:	22 °C
	Air pressure:	99.557 kPa
	Relative Humidity:	38 %RH
Applied polarization voltage:	0 Vdc	

### SPECIFICATIONS:

This document certifies that the instrument as listed under "Type" has been calibrated and unless otherwise indicated under "Final Data", meets acceptance criteria as prescribed by the referenced Procedure. Statements of compliance, where applicable, are based on calibration results falling within specified criteria with no reduction by the uncertainty of the measurements. The calibration of the listed transducer was accomplished using a test system which conforms to the requirements of ISO/IEC 17025, ANSI/NCSL Z540-1, and guidelines of ISO 10012-1. For "as received" and "final" data, see the attached page(s). Items marked with one asterisk (\*) are not covered by the scope of the current A2LA accreditation. This Certificate and attached data pages shall not be reproduced, except in full, without written approval of the Brüel and Kjaer Calibration Laboratory-Norcross, GA. Results relate only to the items tested. The transducer has been calibrated using Measurement Standards with values traceable to the National Institute of Standards and Technology, National Measurement Institutes or derived from natural physical constants.

### PROCEDURE:

The measurements have been performed with the assistance of Brüel & Kjær Microphone Calibration System B&K 9721 with application software WT9649 and WT9650 version 5.0.12 using calibration procedure: 4189-S251-FF-01

### RESULTS:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> "As Received" Data: Within Acceptance Criteria | <input type="checkbox"/> "As Received" Data: Outside Acceptance Criteria |
| <input checked="" type="checkbox"/> "Final" Data : Within Acceptance Criteria      | <input type="checkbox"/> "Final" Data : Outside Acceptance Criteria      |

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor  $k=2$  providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from standards, calibration method, effect of environmental conditions and any short term contribution from the device under calibration.

Date of Calibration: 05 January, 2015

Certificate issued: 05 January, 2015

Rich Haller

Calibration Technician

Quality Representative

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North America Inc.

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Type: 4189

Serial No.: 2870433

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## Sensitivity

Nominal sensitivity:	-26 dB re. 1V/Pa	+/-	1.5 dB
Sensitivity at calibration conditions:	-25.99 dB re. 1V/Pa	or	50.18 mV/Pa
Sensitivity at reference conditions:	-26.01 dB re. 1V/Pa	or	50.07 mV/Pa
Uncertainty:	+/- 0.11 dB		
Correction factor K at reference conditions:	0.01 dB		
Calibration Frequency:	251.19 Hz		

## Reference Conditions:

Pressure: 101.3 kPa

Temperature: 23 °C

Relative Humidity: 50%

## Traceable references

Type	Serial no	Cal. date	Due date	Calibrated by	Trace number
4180	2602426	2014-03-14	2016-03-14	DPLA	M2.10-0947-2.1

## Condition "As Received":

Small marks on the diaphragm

## Comments:

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Type: 4189

Serial No.: 2870433

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## Normalized Frequency Response

Normalization Frequency: 251.19 Hz

Actuator Response is valid at Calibration Conditions

Applied Sound Field Correction: Free-field Correction with Grid, 0 deg incidence.

Frequency [Hz]	Actuator Response [dB]	Sound Field Response [dB]	Combined Uncertainty [dB]	Upper Tolerance [dB]	Lower Tolerance [dB]	Tolerance Exceeded
19.9526	0.12	0.12	0.30	1.00	-1.00	
25.1189	0.10	0.10	0.24	1.00	-1.00	
31.6228	0.07	0.07	0.19	1.00	-1.00	
39.8107	0.07	0.06	0.17	1.00	-1.00	
50.1187	0.05	0.05	0.16	1.00	-1.00	
63.0957	0.04	0.04	0.16	1.00	-1.00	
79.4328	0.03	0.03	0.16	1.00	-1.00	
100.000	0.03	0.02	0.16	1.00	-1.00	
125.893	0.02	0.02	0.16	1.00	-1.00	
158.489	0.01	0.01	0.16	1.00	-1.00	
199.526	0.00	0.00	0.16	1.00	-1.00	
251.189	0.00	0.00	0.00	1.00	-1.00	
316.228	-0.01	0.00	0.16	1.00	-1.00	
398.107	-0.02	-0.01	0.16	1.00	-1.00	
501.187	-0.02	0.00	0.16	1.00	-1.00	
630.957	-0.03	0.00	0.16	1.00	-1.00	
794.328	-0.05	0.01	0.16	1.00	-1.00	
1000.00	-0.07	0.02	0.16	1.00	-1.00	
1258.93	-0.11	0.04	0.16	1.00	-1.00	
1584.89	-0.16	0.06	0.16	1.00	-1.00	
1995.26	-0.24	0.08	0.16	1.00	-1.00	
2511.89	-0.38	0.10	0.17	1.00	-1.00	
3162.28	-0.58	0.13	0.18	1.00	-1.00	
3981.07	-0.90	0.16	0.19	1.00	-1.00	
5011.87	-1.39	0.18	0.19	1.00	-1.00	
6309.57	-2.14	0.14	0.20	1.00	-1.00	
7943.28	-3.21	0.18	0.20	1.00	-1.00	
10000.0	-5.01	0.11	0.25	2.00	-2.00	
12589.3	-6.60	0.59	0.31	2.00	-2.00	
15848.9	-7.49	1.10	0.40	2.00	-2.00	
19952.6	-10.28	-0.23	0.54	2.00	-2.00	

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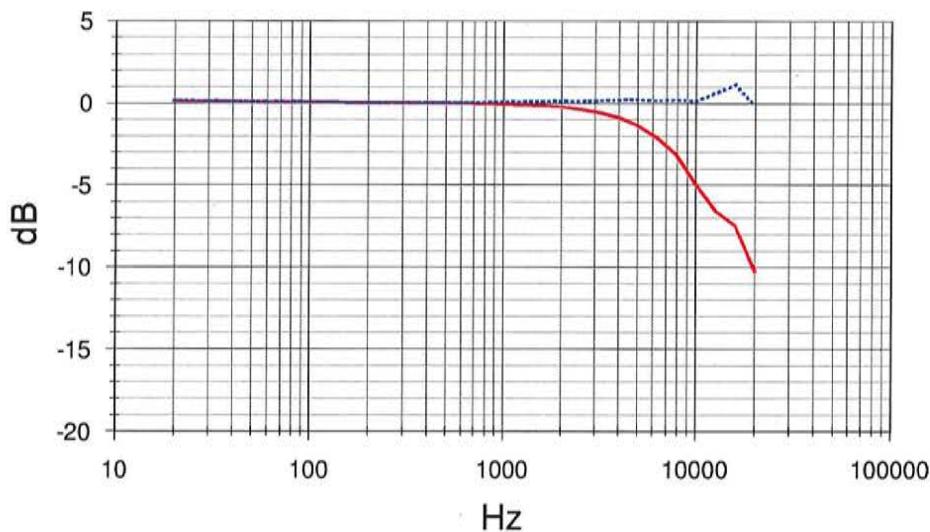
Type: 4189

Serial No.: 2870433

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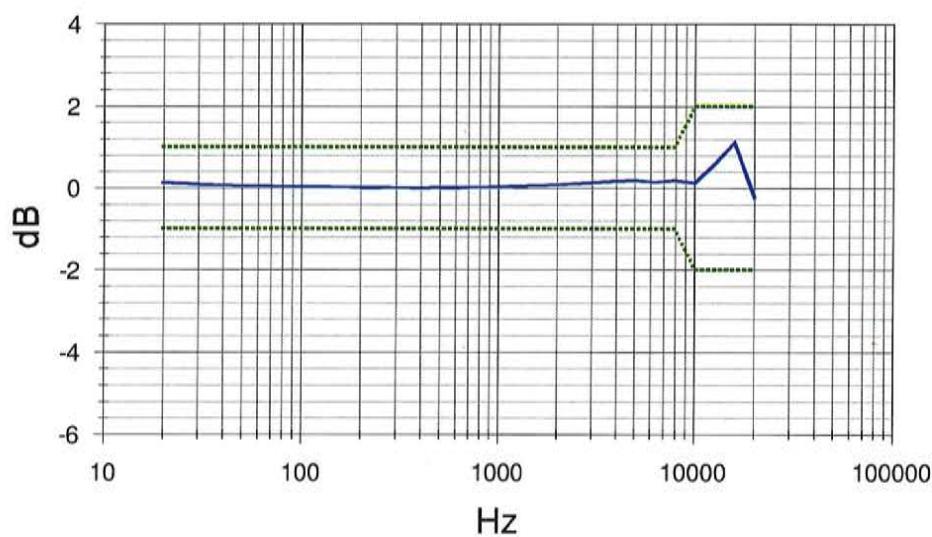
## Measured Frequency Response

Solid curve: Actuator response      Dotted curve: Sound field response  
Applied Sound Field Correction: Free-field Correction with Grid, 0 deg incidence.



## Result Response

Solid curve: Sound field response      Dotted curves: Tolerance limits  
Applied Sound Field Correction: Free-field Correction with Grid, 0 deg incidence.



### Ambient Pressure Response of Free-Field Microphones

(Variation over Static Pressure)

Pressure	65 kPa	75 kPa	85 kPa	93 kPa	101 kPa	110kPa
2520	.38 dB	.20 dB	.14 dB	.069 dB	0.000	-.047 dB
2540	.34 dB	.24 dB	.15 dB	.08 dB	0.000	-.075 dB
377B41	.43 dB	.31 dB	.19 dB	.099 dB	0.000	-.10 dB

*NOTE: Results in dB referenced to 101  
kPa*

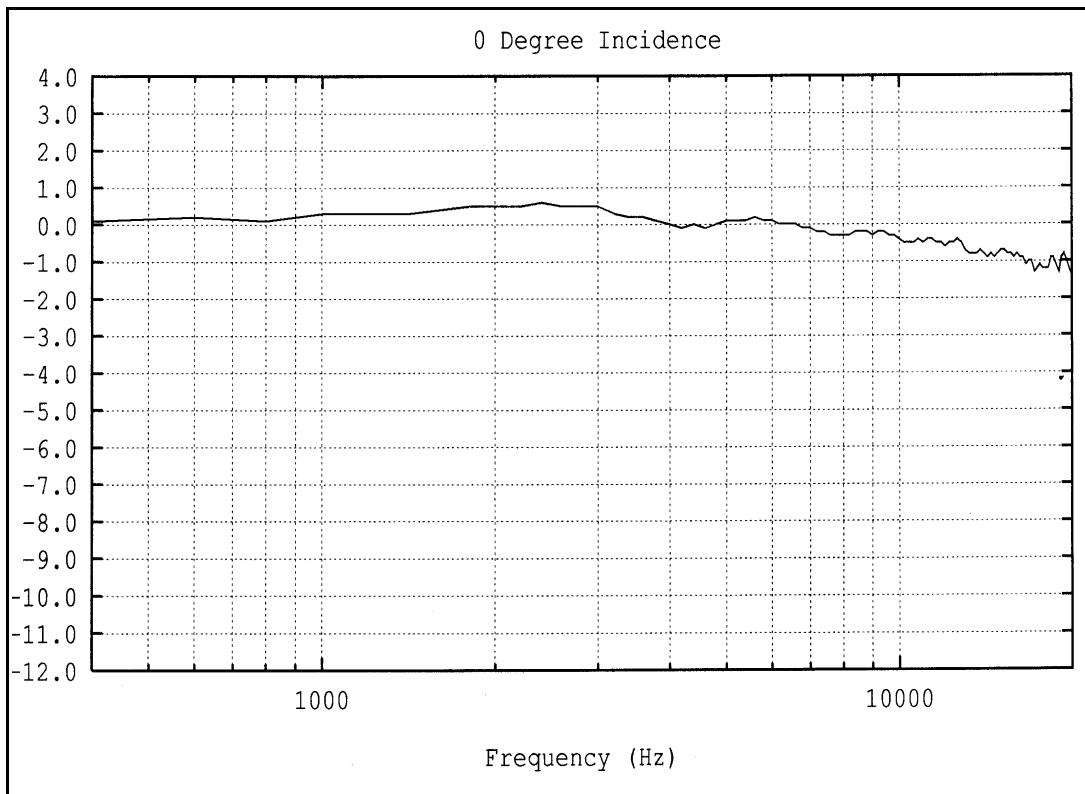
### Position of Instrument and Operator:

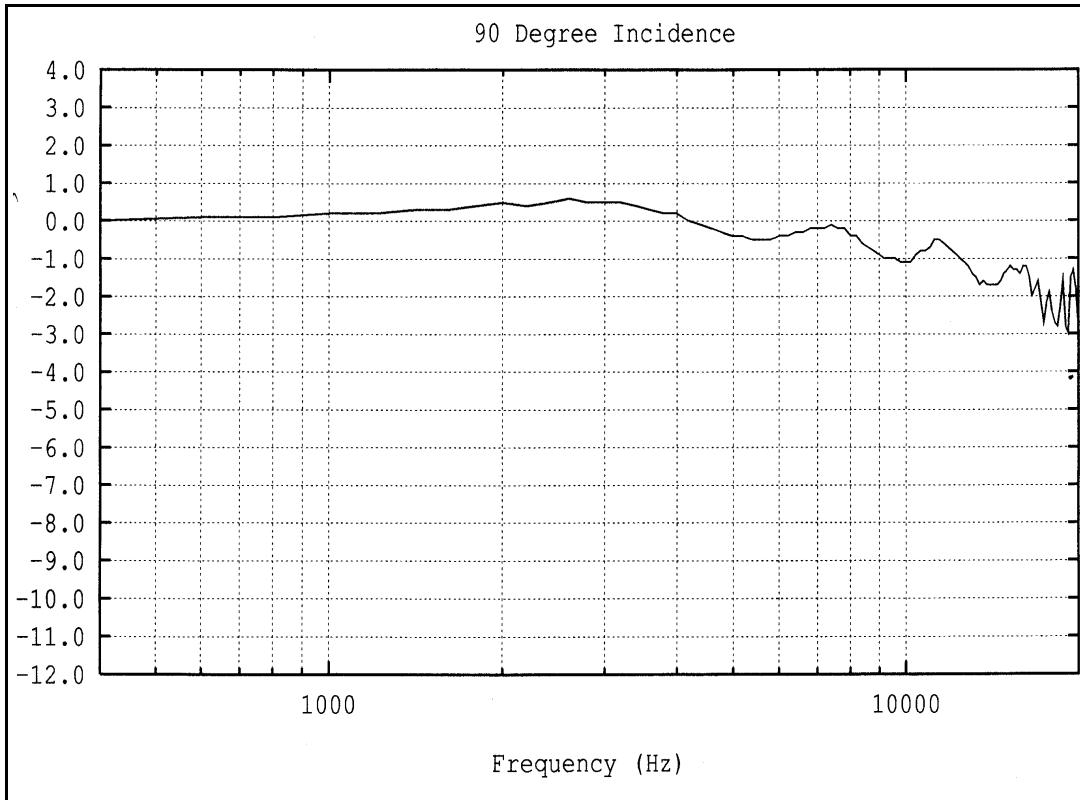
When making a measurement, it is recommended that the observer be positioned as far behind and to the right of the instrument as possible to minimize interference of the sound field at the microphone resulting from body reflections. When using the 824, the meter is held in one hand with the arm extended away from the body. Better results can be obtained by using a tripod.

### Effect of Windscreen:

The Corrections which should be subtracted from the measured data when using the Larson-Davis Model WS001 3½ inch diameter windscreens with a ½ inch Larson-Davis microphone are as indicated in the following graphs.

**Windscreen Response with Respect to No Windscreen**





## **Frequency Response**

### **Random Incidence Microphone Correction**

When random incidence correction is turned on in the 824, a digital filter is added which gives the necessary correction to provide random incidence response when measuring with a free-field microphone.

*NOTE: Tested with the preamplifier and microphone attached directly to the 824.*

The graphs below show the response of the free-field microphones before and after the random incidence correction has been added.

## APPENDIX D

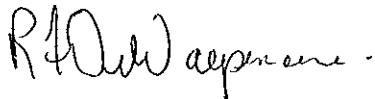
I can confirm on behalf of Summerhaven Wind, LP that the wind turbines located within the Summerhaven Wind Energy Centre that were included in this immission report were operating normally for the duration of the measurement campaign from March 10, 2014 through November 6, 2014. More specifically, all wind turbines were in operation and operating normally during the valid data time periods indicated in this report.

**Company Name:**  
Summerhaven Wind, LP

**Name Of Company Representative:**

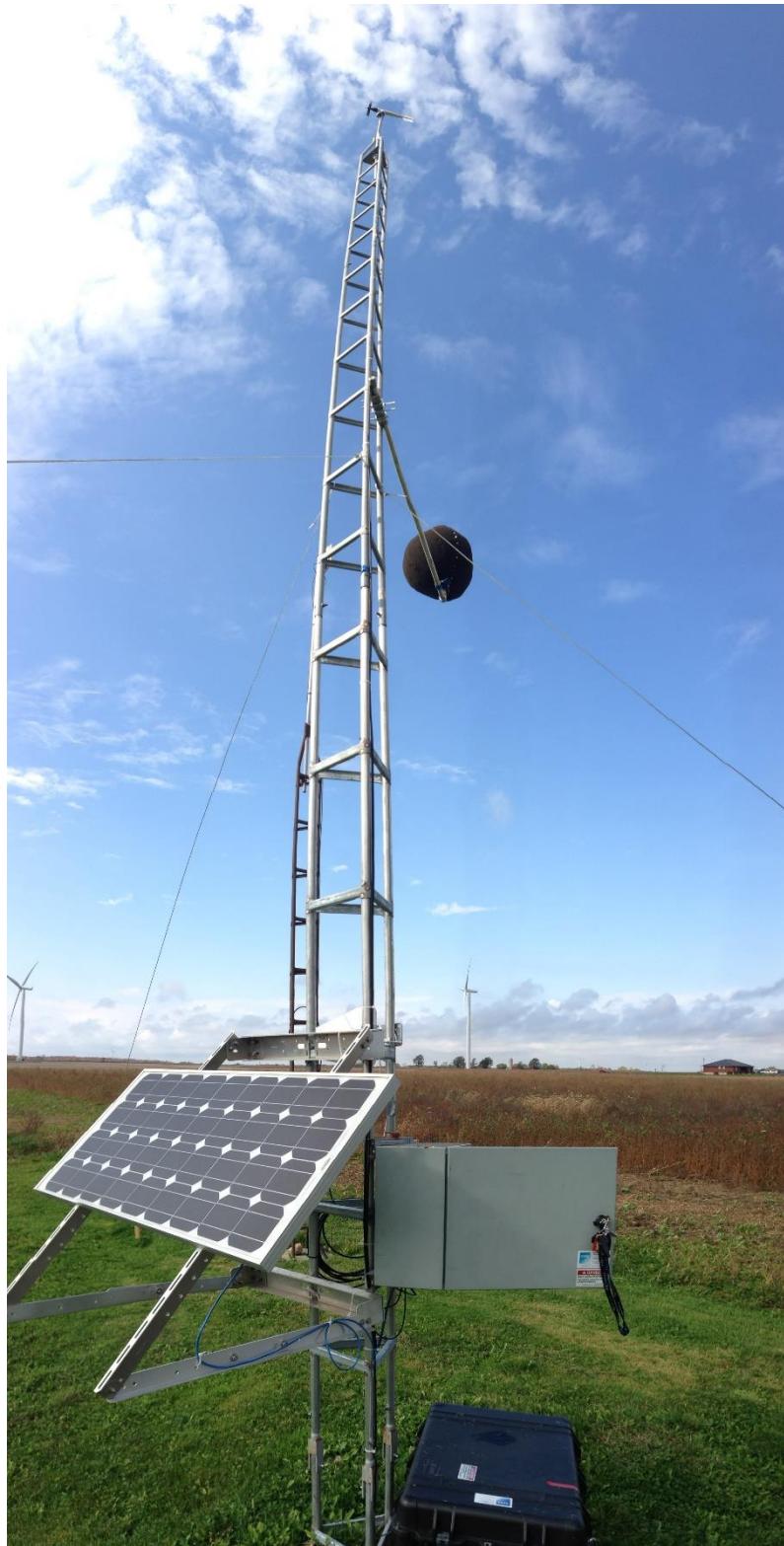
**Title:** Wind Site Manager.

**Signature of Company Representative:**



**Date:**  
01/14/2015

## APPENDIX E



**Summerhaven Wind Farm**  
**Monitor Location C**

Summerhaven Immission Report

Project #1400190

Figure: E1



## Noise Monitoring Locations

Monitoring Location	UTM 17		Microphone Height (m)
	Easting (m)	Northing (m)	
<b>Summerhaven C</b>	594128	4745242	4.5

## APPENDIX F

**Table F1 - Summary of Measurement Conditions**

Summerhaven Wind Farm, 1400190

Measurement Duration	March 10, 2014 to June 11, 2014
Wind Speed	0 to 17 m/s, with gusts up to 20 m/s
Temperature	-12 to 31°C
General Weather Conditions	Weather conditions varied significantly over the measurement campaign
Wind Rose Plot	Found in Figure 3
Signed Statement by the Operator	Found in Appendix D