

FOCUSED AMBIENT AIR SAMPLING REPORT  
EMERSON POWER TRANSMISSION FACILITY  
ITHACA, NEW YORK  
SITE NO. 7-55-010  
SEPTEMBER 23, 2008

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# 1 Introduction

WSP Environment & Energy, on behalf of Emerson and its subsidiary, Emerson Power Transmission Corp., (EPT) prepared this report which presents the results of focused ambient air sampling conducted around the South Hill community to the north-northwest of the EPT facility in Ithaca, New York. This sampling program was designed to ascertain whether there may be offsite sources of chlorinated volatile organic compounds (VOCs) that may be affecting ambient air quality within the South Hill community. The sampling was consistent with scope of work in the Focused Ambient Air Sampling work plan (April 7, 2008) which was approved by the New York State Department of Environmental Conservation (NYSDEC) on April 29, 2008. The work plan was prepared and executed in accordance with requirements outlined in the July 13, 1987, Consent Order (Index # A7-0125-87-09) entered into by the NYSDEC and EPT.

Emerson implemented the work summarized in this report in response to the results of ambient air sampling conducted in the South Hill community in November 2007, which identified concentrations of certain VOCs. However, in November 2007 the NYSDEC collected ambient air samples during the same period as Emerson as part of its own ongoing temporal study but did not detect elevated concentrations of VOCs. The work plan was prepared and executed in accordance with requirements outlined in the July 13, 1987, Consent Order (Index # A7-0125-87-09) entered into by the NYSDEC and EPT.



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## 2 Site Background

### 2.1 SITE LOCATION

The EPT facility is located at 620 South Aurora Street in Ithaca, New York. The facility comprises approximately 110 acres within the City of Ithaca and the Town of Ithaca in Tompkins County (Figure 1). There are over 30 buildings and structures on the site that encompass approximately 800,000 square feet. The area surrounding the facility is mostly residential. The South Hill community is to the north-northwest of the EPT site and is bordered on the north and west by Six Mile Creek, to the south by the EPT facility, and to the east by South Aurora Street. The area to the west and north of Six Mile Creek comprises mixed development including commercial, light industrial and residential zones.

### 2.2 SUMMARY OF AMBIENT AIR SAMPLING

Since the fall of 2004, EPT has conducted testing to evaluate whether VOCs may be affecting indoor air quality in selected structures in the South Hill neighborhood to the north-northwest of the EPT site. The testing involves collecting concurrent air samples from the first floor, basement, and beneath the concrete slab of the basement, if one is present. An ambient air sample is also collected at an outside location in the vicinity of the structure. The air samples are analyzed by an independent analytical laboratory for the list of VOCs specified in U.S. Environmental Protection Agency (EPA) guidelines. This list includes VOCs of concern in groundwater at the EPT site as well as other VOCs not related to this study.

Prior to November 2007, a total of 111 ambient air samples had been collected in the South Hill community as part of the indoor air evaluation investigation. The samples were collected during heating months in accordance with New York State Department of Health (NYSDOH) guidance (October 2006). Trichloroethylene (TCE) was not detected in 69 of the 111 samples and was detected at a concentration of less than 2.0 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) in an additional 36 samples. TCE was detected above 2.0  $\mu\text{g}/\text{m}^3$  in only six ambient air samples. During the November 2007 sampling event, TCE concentrations above 2.0  $\mu\text{g}/\text{m}^3$  were detected in 9 of 10 ambient air samples collected.

The November 2007 sampling results were unexpected as this was the first instance where TCE had been detected above 2.0  $\mu\text{g}/\text{m}^3$  in the majority of ambient air samples collected during a single sampling event since testing began in the fall of 2004. Before November 2007, TCE was detected above 2.0  $\mu\text{g}/\text{m}^3$  in only six samples. Also, NYSDEC has conducted monthly ambient air sampling in the South Hill community since February 2007 as part of an ongoing study and TCE has either not been detected or was detected at a very low concentrations in all sampling events. Reportedly, NYSDEC collected ambient air samples during the same period (November 2007) as EPT and the results were non-detect for TCE. In response, EPT proposed to evaluate the potential for offsite sources of VOCs to the South Hill community by conducting this focused ambient air sampling program.



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### 2.3 SAMPLING OBJECTIVE

The objective of this sampling effort was to evaluate whether sources of chlorinated VOCs are present outside of the South Hill neighborhood and whether such sources may be affecting outdoor (ambient) air quality within the neighborhood.



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## 3 Sampling Program

This sampling program incorporated several components to quantitatively assess the potential for offsite sources of VOCs to affect the South Hill community. The following work was performed:

- pre-sampling activities, which included obtaining access from property owners to perform the proposed sampling (where necessary) and conducting preliminary meteorological monitoring to determine prevailing wind conditions
- conducting meteorological monitoring during outdoor (ambient) air sampling to determine prevailing wind direction
- collecting outdoor (ambient) air samples upwind and downwind of the community during periods of sustained prevailing wind to evaluate the potential for offsite sources of chlorinated VOC contamination

Field activities were conducted in general accordance with the NYSDEC's DAR-2 Air Guide 19 "Oversight of Private Air Monitoring Networks," dated December 16, 1997. Outdoor (ambient) air samples were collected from select upwind and downwind locations at the perimeter of the community. The sample locations are shown in Figure 1. Prevailing wind direction was instantaneously monitored to ensure the appropriate placement of monitoring stations. All sample collection methodology was consistent with existing sampling protocols developed for this site.

### 3.1 PRE-SAMPLING ACTIVITIES

#### 3.1.1 Obtaining Property Access

WSP was able to obtain access to all sampling locations on private property. One meteorological monitoring station was positioned at the former EPT Research & Development building (EPT R&D). However, the second meteorological monitoring location, originally slated for placement on vacant property at the corner of South Cayuga Street and South Titus Avenue owned by the Town of Ithaca, could not be accessed. Consequently, the second meteorological monitoring station was placed at the Ithaca Police Department parking lot property located at East Clinton Street (Police Station). The alternative monitoring location was sufficiently spaced to provide satisfactory meteorological data.

#### 3.1.2 Preliminary Meteorological Profiling

Preliminary meteorological monitoring was conducted at the two stations from July 1 to July 3, 2008. Data-logging was executed at 5-minute intervals during this preliminary study period. After review of the data from both locations, prevailing wind was determined to originate from the southwest (SW). Table 1 provides the comparison of wind conditions for monitoring stations at the Police Station and EPT R&D building.

Based on this data, preliminary upwind and downwind locations were selected as follows:

- Downwind



- DW-1 – Columbia Street
- DW-2 – Hillview Place
- DW-3 – East Spencer Street
- Upwind
  - UW-1 – North Titus Avenue/South Cayuga Street
  - UW-2 – South Titus Avenue/Cayuga Street
  - UW-3 – West Spencer Street/South Cayuga Street
  - UW-4 – EPT Parking Lot

### 3.2 SAMPLING ACTIVITIES

#### 3.2.1 Meteorological Profiling

Following the preliminary meteorological monitoring, prevailing wind conditions were profiled. In accordance with the work plan, meteorological conditions were monitored for 1-minute intervals over the 15-minute sampling period. Locations for meteorological monitoring and outdoor sampling are provided on Figure 1. Upwind sample locations are designated by “UW” and downwind by “DW.”


Wind direction monitoring demonstrated that the prevailing wind was maintained within the 60-degree band (+/- 30 degrees) for at least 15 minutes, with meteorological monitoring on July 7, 2008 indicating prevailing wind as originating from the SW. In addition, ambient air conditions, including temperature, humidity, and barometric pressure were monitored instantaneously at each meteorological station. Tables 2A and 2B provide the minute-to-minute meteorological data for both the Police Station and EPT R&D building stations, respectively.

#### 3.2.2 Ambient Air Sampling

Outdoor (ambient) air samples were collected on July 8 and 9, 2008, in the following groups of upwind and downwind locations:

- July 8, 2008
  - Upwind: UW-1, UW-2, UW-3
  - Downwind: DW-1, DW-2
- July 9, 2008
  - Upwind: UW-2, UW-3, UW-4
  - Downwind: DW-2, DW-3

As prescribed in the work plan, the sample duration was 15 minutes, with sample events conducted in the morning (until 12 noon) and afternoon (12 noon and later). Morning samples were designated as “AM”, with afternoon samples indicated as “PM.” Sampling was performed on 2 consecutive days using evacuated 6-liter SUMMA™ canisters and dedicated flow controllers that were pre-set by the laboratory to collect the samples over a 15-minute period. After 15 minutes, the valves on the canisters were closed and the canisters labeled with the sample name, location, time and date of sample collection, and the analytical method. All canisters and regulators used for ambient air sampling were individually certified clean by the analytical laboratory. The samples were transported to the analytical laboratory under strict chain-of-custody procedures. Documentation of site conditions and other pertinent sampling



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data was recorded in a bound field notebook (Appendix A). One duplicate sample was collected during each day of sampling and one matrix spike/matrix spike duplicate sample was collected per sample delivery group.

### 3.3 SAMPLE ANALYSIS

The SUMMA™ canisters were shipped to Columbia Analytical Laboratories of Simi Valley, California, a NYSDOH Environmental Lab Accreditation Program-approved laboratory. Samples from each canister were analyzed for site-related VOCs by EPA Method TO-15 in selected ion monitoring (SIM) mode. SIM mode was chosen for analysis because it provides the lowest possible detection limits. The site-related compounds are as follows: 1,2-dichloroethane, cis-1,2-dichloroethene (DCE), trans-1,2-DCE, methylene chloride, tetrachloroethylene, 1,1,1-trichloroethane, TCE, and vinyl chloride. The minimum reporting limit for TCE and vinyl chloride was 0.25 µg/m<sup>3</sup>.





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## 4 Sampling Results

Table 3 provides a summary of the sampling results for all detected compounds, including certain VOCs not included in the site-specific compound list. The analytical results are provided in Appendix A. To determine whether an offsite source may be present in the South Hill community, a comparison of upwind and downwind samples was performed. Based on prevailing wind conditions during the study period, the following upwind/downwind comparisons were made:

- July 8, 2008
  - UW-1 to DW-1
  - UW-2 to DW-1
  - UW-3 to DW-1
  - UW-3 to DW-2
- July 9, 2008
  - UW-2 to DW-3
  - UW-3 to DW-2
  - UW-4 to DW-2

In general, a ratio of upwind-to-downwind concentrations of 2.0 or greater, representing a 200 percent higher concentration upwind as compared to downwind levels, was selected as a substantive difference (i.e., trigger level) in ambient concentrations indicating the potential for an offsite source of contaminants to be present.

At no time were any site-related VOCs detected above the trigger level. Over the course of the sampling program, twelve instances of upwind-to-downwind concentration ratios above 2.0 were encountered (i.e., above trigger level), with the majority occurring on the afternoon of July 9 at UW-3 (UW-3 to DW-2). Ten separate compounds were elevated during the July 9 sampling, including benzene, toluene, xylene, and ethylbenzene (BTEX), among others. Table 4 provides the upwind-to-downwind comparisons examined during this sampling effort.



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## 5 Conclusions

The results of the focused ambient air sampling program did not identify any site-related VOCs in upwind samples at concentrations substantively above the levels detected in their corresponding downwind samples. It appears that a possible source of non-site-specific airborne contaminants, primarily consisting of BTEX, may be present to the SW of upwind sampling location UW-3 (corner of West Spencer Street/South Cayuga Street). On the afternoon of July 9, 2008, this location exhibited BTEX levels up to 4 times greater than those measured at the corresponding downwind station. This suspect area consists primarily of residences in a triangular parcel bordered by South Titus Avenue, South Geneva Street, and West Spencer Street.



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# Figures





**Figure 1**  
**Ambient Air and Meteorological Monitoring Station Locations**  
**Emerson Power Transmission**  
**Ithaca, New York**

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 11190 SUNRISE VALLEY DRIVE SUITE 300  
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# Tables

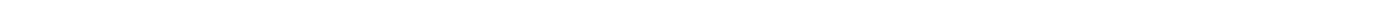


Table 1

**Preliminary Meteorological Conditions (Combined)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Police Station		EPT (R&D)	
		Wind Speed	Wind Dir	Wind Speed	Wind Dir
7/1/2008	1:35 PM	0	0	0	0
7/1/2008	1:38 PM	0	0	0	0
7/1/2008	1:39 PM	4	NE	0	0
7/1/2008	1:40 PM	5	E	0	0
7/1/2008	1:41 PM	5	ENE	0	0
7/1/2008	1:42 PM	0	0	0	0
7/1/2008	1:43 PM	0	0	0	0
7/1/2008	6:20 PM	1	WSW	0	0
7/1/2008	6:25 PM	2	W	0	0
7/1/2008	6:30 PM	3	W	0	0
7/1/2008	6:35 PM	1	W	0	0
7/1/2008	6:40 PM	2	WSW	0	0
7/1/2008	6:45 PM	1	WSW	0	0
7/1/2008	6:50 PM	2	W	0	0
7/1/2008	6:55 PM	1	W	0	0
7/1/2008	7:00 PM	2	W	0	0
7/1/2008	7:05 PM	2	W	0	0
7/1/2008	7:10 PM	2	W	0	0
7/1/2008	7:15 PM	1	W	0	0
7/1/2008	7:20 PM	2	W	0	0
7/1/2008	7:25 PM	1	W	0	0
7/1/2008	7:30 PM	1	W	0	0
7/1/2008	7:35 PM	1	WSW	0	0
7/1/2008	7:40 PM	1	W	0	NNW
7/1/2008	7:45 PM	0	WSW	0	NNW
7/1/2008	7:50 PM	0	0	0	0
7/1/2008	7:55 PM	1	W	3	WSW
7/1/2008	8:00 PM	1	WSW	0	WSW
7/1/2008	8:05 PM	0	W	2	SSW
7/1/2008	8:10 PM	0	0	1	SW
7/1/2008	8:15 PM	0	W	1	WNW
7/1/2008	8:20 PM	0	NNE	4	SSW
7/1/2008	8:25 PM	0	0	5	SW
7/1/2008	8:30 PM	0	0	3	SW
7/1/2008	8:35 PM	0	0	5	SSW
7/1/2008	8:40 PM	0	0	5	WSW
7/1/2008	8:45 PM	0	0	6	WSW
7/1/2008	8:50 PM	0	0	5	WSW
7/1/2008	8:55 PM	0	0	6	WSW
7/1/2008	9:00 PM	0	0	6	WSW
7/1/2008	9:05 PM	0	0	7	SW
7/1/2008	9:10 PM	0	0	8	SW
7/1/2008	9:15 PM	0	0	7	SW
7/1/2008	9:20 PM	0	0	7	WSW
7/1/2008	9:25 PM	0	0	7	WSW
7/1/2008	9:30 PM	0	0	7	WSW

Table 1

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7/1/2008	9:40 PM	0	0	5	WSW
7/1/2008	9:45 PM	0	0	7	SW
7/1/2008	9:50 PM	0	0	5	SW
7/1/2008	9:55 PM	0	0	5	WSW
7/1/2008	10:00 PM	0	0	4	W
7/1/2008	10:05 PM	0	0	3	SW
7/1/2008	10:10 PM	0	0	2	WSW
7/1/2008	10:15 PM	0	0	3	WSW
7/1/2008	10:20 PM	0	0	3	SSW
7/1/2008	10:25 PM	0	0	2	SSW
7/1/2008	10:30 PM	0	0	1	WSW
7/1/2008	10:35 PM	0	0	1	SSW
7/1/2008	10:40 PM	0	0	0	SSW
7/1/2008	10:45 PM	0	0	0	W
7/1/2008	10:50 PM	0	0	0	NW
7/1/2008	10:55 PM	0	0	1	WNW
7/1/2008	11:00 PM	0	0	3	W
7/1/2008	11:05 PM	0	0	0	W
7/1/2008	11:10 PM	0	0	0	0
7/1/2008	11:15 PM	0	0	0	0
7/1/2008	11:20 PM	0	0	0	0
7/1/2008	11:25 PM	0	0	0	0
7/1/2008	11:30 PM	0	0	0	0
7/1/2008	11:35 PM	0	NE	0	0
7/1/2008	11:40 PM	0	0	0	0
7/1/2008	11:45 PM	0	0	0	0
7/1/2008	11:50 PM	0	0	0	0
7/1/2008	11:55 PM	0	0	0	0
7/2/2008	12:00 AM	0	0	0	0
7/2/2008	12:05 AM	0	0	0	0
7/2/2008	12:10 AM	0	0	0	0
7/2/2008	12:15 AM	0	0	0	0
7/2/2008	12:20 AM	0	0	0	0
7/2/2008	12:25 AM	0	0	0	0
7/2/2008	12:30 AM	0	0	0	0
7/2/2008	12:35 AM	0	0	0	0
7/2/2008	12:40 AM	0	0	0	0
7/2/2008	12:45 AM	0	0	0	0
7/2/2008	12:50 AM	0	0	0	SW
7/2/2008	12:55 AM	0	0	0	0
7/2/2008	1:00 AM	0	0	0	0
7/2/2008	1:05 AM	0	0	0	0
7/2/2008	1:10 AM	0	0	0	0
7/2/2008	1:15 AM	0	0	0	0
7/2/2008	1:20 AM	0	0	0	0

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7/2/2008	1:30 AM	0	0	0	0
7/2/2008	1:35 AM	0	0	0	0
7/2/2008	1:40 AM	0	0	0	0
7/2/2008	1:45 AM	0	0	0	0
7/2/2008	1:50 AM	0	0	0	0
7/2/2008	1:55 AM	0	0	0	0
7/2/2008	2:00 AM	0	0	0	0
7/2/2008	2:05 AM	0	0	0	NE
7/2/2008	2:10 AM	0	0	1	NNE
7/2/2008	2:15 AM	0	E	2	NNE
7/2/2008	2:20 AM	0	ENE	0	0
7/2/2008	2:25 AM	0	0	0	0
7/2/2008	2:30 AM	0	0	0	0
7/2/2008	2:35 AM	0	0	0	0
7/2/2008	2:40 AM	0	0	0	0
7/2/2008	2:45 AM	0	0	0	0
7/2/2008	2:50 AM	0	0	0	0
7/2/2008	2:55 AM	0	0	0	0
7/2/2008	3:00 AM	0	0	0	0
7/2/2008	3:05 AM	0	0	0	0
7/2/2008	3:10 AM	0	0	0	0
7/2/2008	3:15 AM	0	E	0	0
7/2/2008	3:20 AM	0	0	0	0
7/2/2008	3:25 AM	0	0	0	0
7/2/2008	3:30 AM	0	0	0	0
7/2/2008	3:35 AM	0	0	0	0
7/2/2008	3:40 AM	0	0	0	NE
7/2/2008	3:45 AM	0	0	0	0
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7/2/2008	4:30 AM	0	0	0	0
7/2/2008	4:35 AM	0	0	0	0
7/2/2008	4:40 AM	0	0	0	0
7/2/2008	4:45 AM	0	0	0	0
7/2/2008	4:50 AM	0	0	0	0
7/2/2008	4:55 AM	0	0	0	0
7/2/2008	5:00 AM	0	0	0	0
7/2/2008	5:05 AM	0	0	0	0
7/2/2008	5:10 AM	0	0	0	0



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7/2/2008	5:35 AM	0	0	0	0
7/2/2008	5:40 AM	0	0	0	0
7/2/2008	5:45 AM	0	0	0	0
7/2/2008	5:50 AM	0	0	0	0
7/2/2008	5:55 AM	0	0	0	0
7/2/2008	6:00 AM	0	0	0	0
7/2/2008	6:05 AM	0	0	0	0
7/2/2008	6:10 AM	0	0	0	0
7/2/2008	6:15 AM	0	0	0	0
7/2/2008	6:20 AM	0	0	0	0
7/2/2008	6:25 AM	0	0	0	0
7/2/2008	6:30 AM	0	0	0	0
7/2/2008	6:35 AM	0	0	0	0
7/2/2008	6:40 AM	0	0	0	0
7/2/2008	6:45 AM	0	0	0	0
7/2/2008	6:50 AM	0	0	0	0
7/2/2008	6:55 AM	0	0	0	0
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7/2/2008	7:10 AM	0	0	0	0
7/2/2008	7:15 AM	0	SSE	0	0
7/2/2008	7:20 AM	0	0	0	0
7/2/2008	7:25 AM	0	0	0	0
7/2/2008	7:30 AM	0	0	0	0
7/2/2008	7:35 AM	0	0	0	0
7/2/2008	7:40 AM	0	0	0	0
7/2/2008	7:45 AM	0	0	0	0
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7/2/2008	8:30 AM	0	SSE	0	0
7/2/2008	8:35 AM	0	0	0	0
7/2/2008	8:40 AM	0	0	0	SSE
7/2/2008	8:45 AM	0	SE	0	0
7/2/2008	8:50 AM	0	0	0	0
7/2/2008	8:55 AM	0	0	0	0
7/2/2008	9:00 AM	0	0	0	0

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7/2/2008	9:15 AM	0	0	0	0
7/2/2008	9:20 AM	0	S	0	0
7/2/2008	9:25 AM	0	SE	0	0
7/2/2008	9:30 AM	0	S	0	0
7/2/2008	9:35 AM	0	SW	0	0
7/2/2008	9:40 AM	0	SW	0	0
7/2/2008	9:45 AM	1	SW	0	0
7/2/2008	9:50 AM	1	SW	0	0
7/2/2008	9:55 AM	1	WSW	0	0
7/2/2008	10:00 AM	1	W	0	0
7/2/2008	10:05 AM	0	S	0	0
7/2/2008	10:10 AM	1	S	1	S
7/2/2008	10:15 AM	2	SSE	0	SSE
7/2/2008	10:20 AM	1	SSE	0	S
7/2/2008	10:25 AM	2	S	1	SSE
7/2/2008	10:30 AM	2	S	0	SSE
7/2/2008	10:35 AM	2	SSW	1	SSE
7/2/2008	10:40 AM	0	SSW	2	SSE
7/2/2008	10:45 AM	1	SW	3	ESE
7/2/2008	10:50 AM	1	WSW	3	SE
7/2/2008	10:55 AM	0	SSW	0	SE
7/2/2008	11:00 AM	1	S	0	SSE
7/2/2008	11:05 AM	2	S	2	SSE
7/2/2008	11:10 AM	2	SW	1	SE
7/2/2008	11:15 AM	2	WSW	1	SSE
7/2/2008	11:20 AM	3	S	1	SSE
7/2/2008	11:25 AM	1	SW	1	SSE
7/2/2008	11:30 AM	2	SW	1	SSE
7/2/2008	11:35 AM	2	SW	1	SSE
7/2/2008	11:40 AM	3	SW	0	SSE
7/2/2008	11:45 AM	2	SW	0	0
7/2/2008	11:50 AM	1	W	0	SSE
7/2/2008	11:55 AM	1	SW	1	E
7/2/2008	12:00 PM	2	SSE	3	SSE
7/2/2008	12:05 PM	1	SSW	2	SE
7/2/2008	12:10 PM	3	SW	1	SE
7/2/2008	12:15 PM	2	SSE	2	SE
7/2/2008	12:20 PM	1	SSE	1	SSE
7/2/2008	12:25 PM	1	S	2	E
7/2/2008	12:30 PM	3	WSW	1	S
7/2/2008	12:35 PM	3	S	2	SSW
7/2/2008	12:40 PM	3	SE	1	SSE
7/2/2008	12:45 PM	3	SSW	1	SSE
7/2/2008	12:50 PM	4	SW	1	E

Table 1

**Preliminary Meteorological Conditions (Combined)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Police Station		EPT (R&D)	
		Wind Speed	Wind Dir	Wind Speed	Wind Dir
7/2/2008	12:55 PM	5	SW	4	SSE
7/2/2008	1:00 PM	5	SW	4	SE
7/2/2008	1:05 PM	3	SW	3	SSE
7/2/2008	1:10 PM	2	SSW	3	SSE
7/2/2008	1:15 PM	3	S	3	ESE
7/2/2008	1:20 PM	3	SW	3	SSE
7/2/2008	1:25 PM	2	WNW	5	ESE
7/2/2008	1:30 PM	2	S	2	SE
7/2/2008	1:35 PM	3	SW	3	SE
7/2/2008	1:40 PM	3	WNW	3	ESE
7/2/2008	1:45 PM	3	SW	4	SSE
7/2/2008	1:50 PM	3	SW	3	S
7/2/2008	1:55 PM	4	SSW	5	SSE
7/2/2008	2:00 PM	2	SSW	4	SE
7/2/2008	2:05 PM	3	WSW	4	ESE
7/2/2008	2:10 PM	3	WNW	2	E
7/2/2008	2:15 PM	2	SW	3	ESE
7/2/2008	2:20 PM	2	S	4	SSW
7/2/2008	2:25 PM	4	SSE	6	SSE
7/2/2008	2:30 PM	2	SSE	2	SE
7/2/2008	2:35 PM	1	S	4	S
7/2/2008	2:40 PM	1	SSE	3	SE
7/2/2008	2:45 PM	2	SSE	3	SSE
7/2/2008	2:50 PM	3	SW	5	S
7/2/2008	2:55 PM	2	SW	6	S
7/2/2008	3:00 PM	3	SW	5	SSW
7/2/2008	3:05 PM	4	SW	2	SSW
7/2/2008	3:10 PM	2	S	4	S
7/2/2008	3:15 PM	1	SW	5	S
7/2/2008	3:20 PM	2	SW	6	SSE
7/2/2008	3:25 PM	2	S	7	S
7/2/2008	3:30 PM	2	SW	10	S
7/2/2008	3:35 PM	2	SW	8	S
7/2/2008	3:40 PM	2	SW	9	S
7/2/2008	3:45 PM	3	SSE	12	SSW
7/2/2008	3:50 PM	4	SW	12	S
7/2/2008	3:55 PM	3	WSW	12	SSW
7/2/2008	4:00 PM	2	SW	9	SW
7/2/2008	4:05 PM	1	S	6	S
7/2/2008	4:10 PM	4	SW	8	S
7/2/2008	4:15 PM	3	SW	8	S
7/2/2008	4:20 PM	5	SW	9	SSW
7/2/2008	4:25 PM	3	SW	8	S
7/2/2008	4:30 PM	3	SW	9	S
7/2/2008	4:35 PM	4	SW	8	SSE
7/2/2008	4:40 PM	2	SW	7	S

Table 1

**Preliminary Meteorological Conditions (Combined)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Police Station		EPT (R&D)	
		Wind Speed	Wind Dir	Wind Speed	Wind Dir
7/2/2008	4:45 PM	2	SSW	9	S
7/2/2008	4:50 PM	4	SW	8	SSW
7/2/2008	4:55 PM	2	S	4	SSE
7/2/2008	5:00 PM	3	SW	4	S
7/2/2008	5:05 PM	3	SW	5	SE
7/2/2008	5:10 PM	3	SW	5	SE
7/2/2008	5:15 PM	3	SW	5	SE
7/2/2008	5:20 PM	2	SW	2	SSW
7/2/2008	5:25 PM	3	SW	3	S
7/2/2008	5:30 PM	2	SW	3	SSE
7/2/2008	5:35 PM	3	SW	7	S
7/2/2008	5:40 PM	3	SW	5	S
7/2/2008	5:45 PM	1	NE	6	S
7/2/2008	5:50 PM	1	SSE	9	SSW
7/2/2008	5:55 PM	2	SW	9	SSW
7/2/2008	6:00 PM	2	SW	6	S
7/2/2008	6:05 PM	2	SW	5	SSE
7/2/2008	6:10 PM	1	SSW	5	ESE
7/2/2008	6:15 PM	2	SSW	4	S
7/2/2008	6:20 PM	3	SW	5	SE
7/2/2008	6:25 PM	2	SSE	5	SE
7/2/2008	6:30 PM	2	SW	4	SE
7/2/2008	6:35 PM	2	SW	4	SSE
7/2/2008	6:40 PM	2	SW	6	SSE
7/2/2008	6:45 PM	2	SW	6	SSE
7/2/2008	6:50 PM	2	SW	6	SE
7/2/2008	6:55 PM	1	S	8	SSE
7/2/2008	7:00 PM	2	S	4	SSE
7/2/2008	7:05 PM	1	WSW	7	SE
7/2/2008	7:10 PM	1	E	8	SE
7/2/2008	7:15 PM	1	SW	6	S
7/2/2008	7:20 PM	0	SSW	3	SE
7/2/2008	7:25 PM	1	SSE	4	S
7/2/2008	7:30 PM	1	SSE	6	S
7/2/2008	7:35 PM	1	NE	5	S
7/2/2008	7:40 PM	0	SSW	7	SSE
7/2/2008	7:45 PM	1	SSW	7	SSE
7/2/2008	7:50 PM	1	ESE	7	SSE
7/2/2008	7:55 PM	0	SSE	7	SE
7/2/2008	8:00 PM	0	SSE	8	SSE
7/2/2008	8:05 PM	1	NE	5	S
7/2/2008	8:10 PM	0	ENE	5	SSE
7/2/2008	8:15 PM	0	NE	5	SE
7/2/2008	8:20 PM	0	E	8	SE
7/2/2008	8:25 PM	0	ENE	6	SE
7/2/2008	8:30 PM	0	E	4	SE

Table 1

**Preliminary Meteorological Conditions (Combined)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Police Station		EPT (R&D)	
		Wind Speed	Wind Dir	Wind Speed	Wind Dir
7/2/2008	8:35 PM	0	E	3	ESE
7/2/2008	8:40 PM	0	E	4	SSE
7/2/2008	8:45 PM	0	0	4	SSE
7/2/2008	8:50 PM	0	0	4	ESE
7/2/2008	8:55 PM	0	0	4	SE
7/2/2008	9:00 PM	0	0	6	SE
7/2/2008	9:05 PM	0	0	6	SE
7/2/2008	9:10 PM	0	0	4	SE
7/2/2008	9:15 PM	0	0	6	SE
7/2/2008	9:20 PM	0	0	5	SE
7/2/2008	9:25 PM	0	0	5	SE
7/2/2008	9:30 PM	0	0	5	ESE
7/2/2008	9:35 PM	0	0	6	SE
7/2/2008	9:40 PM	0	0	4	ESE
7/2/2008	9:45 PM	0	0	4	ESE
7/2/2008	9:50 PM	0	0	5	SE
7/2/2008	9:55 PM	0	0	5	SE
7/2/2008	10:00 PM	0	0	4	ESE
7/2/2008	10:05 PM	0	0	5	SE
7/2/2008	10:10 PM	0	0	6	SE
7/2/2008	10:15 PM	0	0	4	ESE
7/2/2008	10:20 PM	0	0	4	ESE
7/2/2008	10:25 PM	0	0	4	ESE
7/2/2008	10:30 PM	0	0	3	ESE
7/2/2008	10:35 PM	0	0	3	ESE
7/2/2008	10:40 PM	0	0	3	ESE
7/2/2008	10:45 PM	0	0	3	E
7/2/2008	10:50 PM	0	0	4	ENE
7/2/2008	10:55 PM	0	0	3	NE
7/2/2008	11:00 PM	0	0	2	ENE
7/2/2008	11:05 PM	0	0	2	ENE
7/2/2008	11:10 PM	0	0	3	ENE
7/2/2008	11:15 PM	0	0	3	ENE
7/2/2008	11:20 PM	0	0	3	ENE
7/2/2008	11:25 PM	0	0	2	E
7/2/2008	11:30 PM	0	0	1	ESE
7/2/2008	11:35 PM	0	0	0	0
7/2/2008	11:40 PM	0	0	0	0
7/2/2008	11:45 PM	0	0	0	0
7/2/2008	11:50 PM	0	0	0	SSE
7/2/2008	11:55 PM	0	0	0	0
7/3/2008	12:00 AM	0	0	0	0
7/3/2008	12:05 AM	0	0	0	ENE
7/3/2008	12:10 AM	0	0	2	NNE
7/3/2008	12:15 AM	0	0	0	NNE
7/3/2008	12:20 AM	0	0	0	SSE

Table 1

**Preliminary Meteorological Conditions (Combined)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Police Station		EPT (R&D)	
		Wind Speed	Wind Dir	Wind Speed	Wind Dir
7/3/2008	12:25 AM	0	0	0	SSE
7/3/2008	12:30 AM	0	0	1	SE
7/3/2008	12:35 AM	0	0	2	SE
7/3/2008	12:40 AM	0	0	2	ESE
7/3/2008	12:45 AM	0	0	2	ESE
7/3/2008	12:50 AM	0	0	1	ESE
7/3/2008	12:55 AM	0	0	0	0
7/3/2008	1:00 AM	0	0	0	0
7/3/2008	1:05 AM	0	0	0	0
7/3/2008	1:10 AM	0	0	0	ESE
7/3/2008	1:15 AM	0	0	0	0
7/3/2008	1:20 AM	0	0	0	ESE
7/3/2008	1:25 AM	0	0	0	ESE
7/3/2008	1:30 AM	0	0	0	ESE
7/3/2008	1:35 AM	0	0	0	ESE
7/3/2008	1:40 AM	0	0	0	ESE
7/3/2008	1:45 AM	0	0	1	ESE
7/3/2008	1:50 AM	0	0	1	SE
7/3/2008	1:55 AM	0	0	2	ESE
7/3/2008	2:00 AM	0	0	2	ESE
7/3/2008	2:05 AM	0	0	1	SE
7/3/2008	2:10 AM	0	0	0	SE
7/3/2008	2:15 AM	0	0	1	ESE
7/3/2008	2:20 AM	0	0	1	ESE
7/3/2008	2:25 AM	0	0	1	ESE
7/3/2008	2:30 AM	0	0	0	0
7/3/2008	2:35 AM	0	0	0	0
7/3/2008	2:40 AM	0	0	0	0
7/3/2008	2:45 AM	0	0	0	E
7/3/2008	2:50 AM	0	0	0	0
7/3/2008	2:55 AM	0	0	0	SSE
7/3/2008	3:00 AM	0	S	0	0
7/3/2008	3:05 AM	0	0	0	0
7/3/2008	3:10 AM	0	0	0	0
7/3/2008	3:15 AM	0	S	0	0
7/3/2008	3:20 AM	0	0	0	0
7/3/2008	3:25 AM	0	0	0	E
7/3/2008	3:30 AM	0	0	0	0
7/3/2008	3:35 AM	0	0	0	0
7/3/2008	3:40 AM	0	0	0	0
7/3/2008	3:45 AM	0	0	0	0
7/3/2008	3:50 AM	0	0	0	0
7/3/2008	3:55 AM	0	0	0	0
7/3/2008	4:00 AM	0	0	0	0
7/3/2008	4:05 AM	0	E	0	0
7/3/2008	4:10 AM	0	E	0	0

Table 1

Preliminary Meteorological Conditions (Combined)  
 July 2008  
 Emerson Power Transmission  
 Ithaca, New York

Date	Time	Police Station		EPT (R&D)	
		Wind Speed	Wind Dir	Wind Speed	Wind Dir
7/3/2008	4:15 AM	0	NNE	0	0
7/3/2008	4:20 AM	0	0	0	0
7/3/2008	4:25 AM	0	0	0	0
7/3/2008	4:30 AM	0	0	0	ENE
7/3/2008	4:35 AM	0	0	0	0
7/3/2008	4:40 AM	0	0	0	0
7/3/2008	4:45 AM	0	0	0	0
7/3/2008	4:50 AM	0	0	0	0
7/3/2008	4:55 AM	0	SSW	0	0
7/3/2008	5:00 AM	0	0	0	NNE
7/3/2008	5:05 AM	0	0	0	E
7/3/2008	5:10 AM	0	0	0	0
7/3/2008	5:15 AM	0	0	0	0
7/3/2008	5:20 AM	0	0	0	SSE
7/3/2008	5:25 AM	0	0	0	E
7/3/2008	5:30 AM	0	0	0	SSW
7/3/2008	5:35 AM	0	0	0	ESE
7/3/2008	5:40 AM	0	0	1	ESE
7/3/2008	5:45 AM	0	0	4	ESE
7/3/2008	5:50 AM	0	0	3	ESE
7/3/2008	5:55 AM	0	0	4	E
7/3/2008	6:00 AM	0	SE	3	ESE
7/3/2008	6:05 AM	0	0	1	SSE
7/3/2008	6:10 AM	0	0	1	S
7/3/2008	6:15 AM	0	0	2	ENE
7/3/2008	6:20 AM	0	NE	2	ENE
7/3/2008	6:25 AM	0	0	3	ENE
7/3/2008	6:30 AM	0	0	2	E
7/3/2008	6:35 AM	0	0	2	NE
7/3/2008	6:40 AM	0	0	2	NE
7/3/2008	6:45 AM	0	0	2	NE
7/3/2008	6:50 AM	0	0	3	ENE
7/3/2008	6:55 AM	0	WSW	3	ENE
7/3/2008	7:00 AM	0	WSW	4	NE
7/3/2008	7:05 AM	0	0	3	E
7/3/2008	7:10 AM	0	0	2	NE
7/3/2008	7:15 AM	0	0	4	NE
7/3/2008	7:20 AM	0	0	3	NE
7/3/2008	7:25 AM	0	0	2	NE
7/3/2008	7:30 AM	0	NNE	1	ESE
7/3/2008	7:35 AM	0	0	2	NE
7/3/2008	7:40 AM	0	0	3	SSE
7/3/2008	7:45 AM	0	S	2	SE
7/3/2008	7:50 AM	0	SSW	1	SE
7/3/2008	7:55 AM	0	0	0	SE
7/3/2008	8:00 AM	0	0	0	W

Table 1

**Preliminary Meteorological Conditions (Combined)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Police Station		EPT (R&D)	
		Wind Speed	Wind Dir	Wind Speed	Wind Dir
7/3/2008	8:05 AM	0	0	0	0
7/3/2008	8:10 AM	0	NE	0	SSE
7/3/2008	8:15 AM	0	0	0	0
7/3/2008	8:20 AM	0	0	1	NE
7/3/2008	8:25 AM	0	ENE	1	SSW
7/3/2008	8:30 AM	0	NE	0	SSW
7/3/2008	8:35 AM	0	NE	0	E
7/3/2008	8:40 AM	0	0	2	SE
7/3/2008	8:45 AM	0	ESE	2	ESE
7/3/2008	8:50 AM	0	0	3	E
7/3/2008	8:55 AM	0	0	5	ENE
7/3/2008	9:00 AM	0	ENE	3	E
7/3/2008	9:05 AM	0	0	4	E
7/3/2008	9:10 AM	0	NNE	4	ENE
7/3/2008	9:15 AM	0	0	4	ENE
7/3/2008	9:20 AM	2	ENE	3	ESE
7/3/2008	9:25 AM	1	NNE	5	ESE
7/3/2008	9:30 AM	0	NE	3	ESE
7/3/2008	9:35 AM	1	ENE	5	ESE
7/3/2008	9:40 AM	0	ENE	4	ESE
7/3/2008	9:45 AM	0	S	2	SE
7/3/2008	9:50 AM	1	ENE	1	E
7/3/2008	9:55 AM	1	NE	0	SSE
7/3/2008	10:00 AM	1	S	0	SSE
7/3/2008	10:05 AM	0	N	1	ESE
7/3/2008	10:10 AM	1	S	1	ESE
7/3/2008	10:15 AM	1	S	3	ESE
7/3/2008	10:20 AM	1	SW	5	ESE
7/3/2008	10:25 AM	1	WSW	3	ESE
7/3/2008	10:30 AM	0	0	2	E
7/3/2008	10:35 AM	0	0	4	ESE
7/3/2008	10:40 AM	0	WSW	5	ESE
7/3/2008	10:45 AM	1	NW	2	E
7/3/2008	10:50 AM	1	SSW	1	ESE
7/3/2008	10:55 AM	1	WSW	4	E
7/3/2008	11:00 AM	1	WSW	4	ENE
7/3/2008	11:05 AM	1	SSW	5	ENE
7/3/2008	11:10 AM	1	SW	3	ENE
7/3/2008	11:15 AM	2	SSE	4	ENE
7/3/2008	11:20 AM	1	WSW	3	ENE
7/3/2008	11:25 AM	1	NE	4	NE
7/3/2008	11:30 AM	2	SW	5	NE
7/3/2008	11:35 AM	2	SSE	5	NE
7/3/2008	11:40 AM	1	NE	4	NE
7/3/2008	11:45 AM	1	WSW	3	NE
7/3/2008	11:50 AM	0	S	4	ENE



Table 1

**Preliminary Meteorological Conditions (Combined)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Police Station		EPT (R&D)	
		Wind Speed	Wind Dir	Wind Speed	Wind Dir
7/3/2008	11:55 AM	1	SE	4	ENE
7/3/2008	12:00 PM	1	WSW	5	E
7/3/2008	12:05 PM	1	SE	7	ENE
7/3/2008	12:10 PM	0	ESE	7	ENE
7/3/2008	12:15 PM	0	SSW	6	ENE
7/3/2008	12:20 PM	0	S	5	E
7/3/2008	12:25 PM	1	ESE	5	E
7/3/2008	12:30 PM	0	SW	6	ESE
7/3/2008	12:35 PM	1	WSW	6	ESE
7/3/2008	12:40 PM	0	S	7	ESE
7/3/2008	12:45 PM	1	SW	6	ESE
7/3/2008	12:50 PM	0	0	5	E
7/3/2008	12:55 PM	0	SSE	5	E
7/3/2008	1:00 PM	0	0	6	ESE
7/3/2008	1:05 PM	0	0	3	ESE
7/3/2008	1:10 PM	0	SSE	1	SSW
7/3/2008	1:15 PM	1	SSE	0	E
7/3/2008	1:20 PM	0	ENE	2	SSE
7/3/2008	1:25 PM	0	NE	1	S
7/3/2008	1:30 PM	0	0	1	SSE
7/3/2008	1:35 PM	0	0	2	SE
7/3/2008	1:40 PM	0	0	3	S
7/3/2008	1:45 PM	0	0	4	SE
7/3/2008	1:50 PM	0	0	5	SE
7/3/2008	1:55 PM	0	0	5	ESE
7/3/2008	2:00 PM	0	0	7	SE
7/3/2008	2:05 PM	0	0	5	SE
7/3/2008	2:10 PM	0	0	7	SE
7/3/2008	2:15 PM	0	0	6	SE
7/3/2008	2:20 PM	0	0	7	SE
7/3/2008	2:25 PM	0	0	6	SE
7/3/2008	2:30 PM	0	0	4	ESE
7/3/2008	2:35 PM	0	0	3	SSE
7/3/2008	2:40 PM	0	0	3	SSE
7/3/2008	2:45 PM	0	0	5	SSE
7/3/2008	2:50 PM	0	0	4	SSE
7/3/2008	2:55 PM	0	0	6	SE
7/3/2008	3:00 PM	0	0	5	SE
7/3/2008	3:05 PM	0	0	6	SE
7/3/2008	3:10 PM	0	0	7	SE
7/3/2008	3:15 PM	0	0	7	SE
7/3/2008	3:20 PM	0	0	5	SE
7/3/2008	3:25 PM	0	0	4	SSE
7/3/2008	3:30 PM	0	0	4	S
7/3/2008	3:35 PM	0	0	2	S
7/3/2008	3:40 PM	0	0	2	SE

**Table 1**

**Preliminary Meteorological Conditions (Combined)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

<b>Date</b>	<b>Time</b>	<b>Police Station</b>		<b>EPT (R&amp;D)</b>	
		<b>Wind Speed</b>	<b>Wind Dir</b>	<b>Wind Speed</b>	<b>Wind Dir</b>
7/3/2008	3:45 PM	0	SSE	2	SE
7/3/2008	3:50 PM	0	SSW	2	SE
7/3/2008	3:55 PM	0	S	4	SE
7/3/2008	4:00 PM	0	0	5	SE
7/3/2008	4:05 PM	0	0	5	ESE
7/3/2008	4:10 PM	0	0	7	SE
7/3/2008	4:15 PM	0	0	7	SE

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	11:00 AM	82.1	82.1	82.1	67	70.1	1	W	3	W	29.878
7/8/2008	11:01 AM	82.2	82.2	82.1	66	69.7	3	W	5	WNW	29.878
7/8/2008	11:02 AM	82.2	82.2	82.2	66	69.7	0	W	2	W	29.877
7/8/2008	11:03 AM	82.3	82.3	82.2	65	69.4	0	SE	1	W	29.878
7/8/2008	11:04 AM	82.3	82.3	82.3	65	69.4	0	---	0	---	29.874
7/8/2008	11:05 AM	82.4	82.4	82.3	65	69.4	0	SW	3	SW	29.877
7/8/2008	11:06 AM	82.5	82.5	82.4	65	69.5	0	SW	2	SW	29.875
7/8/2008	11:07 AM	82.5	82.5	82.5	65	69.5	1	SW	3	SW	29.876
7/8/2008	11:08 AM	82.6	82.6	82.5	65	69.6	0	SE	1	SE	29.875
7/8/2008	11:09 AM	82.7	82.7	82.6	64	69.3	0	---	0	---	29.876
7/8/2008	11:10 AM	82.7	82.7	82.7	64	69.3	1	W	3	W	29.873
7/8/2008	11:11 AM	82.7	82.7	82.7	64	69.3	3	W	5	W	29.874
7/8/2008	11:12 AM	82.7	82.7	82.7	64	69.3	3	W	5	W	29.87
7/8/2008	11:13 AM	82.7	82.8	82.7	64	69.3	1	WSW	4	WSW	29.868
7/8/2008	11:14 AM	82.7	82.7	82.7	63	68.8	0	NNW	2	NNW	29.87
7/8/2008	11:15 AM	82.7	82.7	82.7	64	69.3	1	W	3	W	29.87
7/8/2008	11:16 AM	82.7	82.7	82.7	63	68.8	2	WSW	4	W	29.869
7/8/2008	11:17 AM	82.7	82.7	82.7	63	68.8	0	WSW	1	WSW	29.87
7/8/2008	11:18 AM	82.7	82.7	82.7	64	69.3	0	---	0	---	29.87
7/8/2008	11:19 AM	82.7	82.7	82.7	64	69.3	1	W	4	W	29.871
7/8/2008	11:20 AM	82.7	82.7	82.7	64	69.3	3	W	5	WSW	29.872
7/8/2008	11:21 AM	82.8	82.8	82.7	64	69.4	2	E	4	SW	29.871
7/8/2008	11:22 AM	82.8	82.8	82.7	64	69.4	2	W	3	W	29.872
7/8/2008	11:23 AM	82.9	82.9	82.8	64	69.5	2	W	4	W	29.873
7/8/2008	11:24 AM	82.9	82.9	82.9	64	69.5	1	SW	2	WSW	29.874
7/8/2008	11:25 AM	82.9	82.9	82.9	64	69.5	0	---	0	---	29.874
7/8/2008	11:26 AM	83	83	82.9	64	69.6	0	---	0	---	29.874
7/8/2008	11:27 AM	83	83	83	64	69.6	2	WSW	4	W	29.872
7/8/2008	11:28 AM	83	83	83	63	69.1	3	W	4	WSW	29.871
7/8/2008	11:29 AM	83	83	83	62	68.6	1	W	2	W	29.872
7/8/2008	11:30 AM	83.1	83.1	83	64	69.7	1	W	2	W	29.867
7/8/2008	11:31 AM	83.1	83.1	83.1	63	69.2	0	SW	1	SW	29.867
7/8/2008	11:32 AM	83.1	83.1	83.1	64	69.7	1	ESE	2	SE	29.871
7/8/2008	11:33 AM	83.2	83.2	83.1	64	69.8	0	ESE	1	ESE	29.868
7/8/2008	11:34 AM	83.3	83.3	83.2	64	69.8	0	S	1	S	29.868
7/8/2008	11:35 AM	83.4	83.4	83.3	64	69.9	0	---	0	---	29.868
7/8/2008	11:36 AM	83.6	83.6	83.5	63	69.7	0	---	0	---	29.87
7/8/2008	11:37 AM	83.7	83.7	83.6	62	69.3	0	---	0	---	29.869
7/8/2008	11:38 AM	83.8	83.8	83.7	62	69.4	0	SW	2	SW	29.868
7/8/2008	11:39 AM	83.9	83.9	83.9	62	69.5	1	SW	3	SW	29.871
7/8/2008	11:40 AM	84.1	84.1	84	61	69.2	1	SW	2	SW	29.867
7/8/2008	11:41 AM	84.2	84.2	84.1	61	69.3	1	SW	3	SW	29.871
7/8/2008	11:42 AM	84.3	84.3	84.2	58	67.9	3	SW	7	S	29.868
7/8/2008	11:43 AM	84.5	84.5	84.4	57	67.6	1	SSW	3	WSW	29.868
7/8/2008	11:44 AM	84.6	84.6	84.5	57	67.7	1	SW	3	SSW	29.868
7/8/2008	11:45 AM	84.7	84.7	84.6	58	68.3	0	SW	1	SW	29.87
7/8/2008	11:46 AM	84.8	84.8	84.7	58	68.4	0	W	2	W	29.868
7/8/2008	11:47 AM	85	85	84.8	57	68.1	0	W	2	W	29.866

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	11:48 AM	85.1	85.1	85	57	68.2	0	W	1	W	29.866
7/8/2008	11:49 AM	85.3	85.3	85.2	57	68.3	0	---	0	---	29.868
7/8/2008	11:50 AM	85.5	85.5	85.3	57	68.5	0	S	2	S	29.869
7/8/2008	11:51 AM	85.7	85.7	85.5	56	68.2	1	ESE	3	ESE	29.869
7/8/2008	11:52 AM	85.8	85.8	85.7	56	68.3	2	ENE	3	ENE	29.868
7/8/2008	11:53 AM	86	86	85.9	55	68	1	SE	4	ESE	29.87
7/8/2008	11:54 AM	86.1	86.1	86	54	67.5	1	SW	2	NNE	29.866
7/8/2008	11:55 AM	86.3	86.3	86.1	55	68.2	1	SW	4	WSW	29.861
7/8/2008	11:56 AM	86.4	86.4	86.3	53	67.2	3	SSW	6	SSW	29.865
7/8/2008	11:57 AM	86.5	86.5	86.4	54	67.9	2	SSE	6	W	29.865
7/8/2008	11:58 AM	86.5	86.5	86.5	53	67.3	2	W	6	SE	29.862
7/8/2008	11:59 AM	86.6	86.6	86.6	51	66.3	3	SSW	5	W	29.863
7/8/2008	12:00 PM	86.7	86.7	86.6	51	66.4	3	S	5	S	29.864
7/8/2008	12:01 PM	86.7	86.7	86.7	51	66.4	0	SSW	1	W	29.863
7/8/2008	12:02 PM	86.7	86.8	86.7	50	65.8	3	SSW	4	S	29.861
7/8/2008	12:03 PM	86.8	86.8	86.8	50	65.9	2	S	3	SSW	29.858
7/8/2008	12:04 PM	86.8	86.8	86.8	50	65.9	3	SW	9	S	29.856
7/8/2008	12:05 PM	86.9	86.9	86.9	49	65.4	3	SW	8	SSE	29.855
7/8/2008	12:06 PM	86.9	86.9	86.9	50	66	2	W	3	SSW	29.858
7/8/2008	12:07 PM	86.9	86.9	86.9	50	66	0	NE	1	W	29.856
7/8/2008	12:08 PM	87	87	86.9	51	66.7	1	W	3	SW	29.856
7/8/2008	12:09 PM	87.1	87.1	87	50	66.2	2	SSW	4	SW	29.857
7/8/2008	12:10 PM	87.2	87.2	87.1	50	66.3	0	SW	1	SW	29.856
7/8/2008	12:11 PM	87.3	87.3	87.2	51	67	1	SW	3	WSW	29.856
7/8/2008	12:12 PM	87.4	87.4	87.3	51	67.1	1	W	3	W	29.855
7/8/2008	12:13 PM	87.4	87.4	87.4	50	66.5	2	WSW	4	W	29.857
7/8/2008	12:14 PM	87.5	87.5	87.4	50	66.6	2	W	4	WSW	29.857
7/8/2008	12:15 PM	87.5	87.5	87.5	50	66.6	4	S	9	SSW	29.856
7/8/2008	12:16 PM	87.5	87.5	87.5	50	66.6	1	SW	4	W	29.856
7/8/2008	12:17 PM	87.5	87.5	87.5	49	66	1	NNW	2	NNW	29.856
7/8/2008	12:18 PM	87.5	87.5	87.5	50	66.6	1	N	3	NNE	29.857
7/8/2008	12:19 PM	87.6	87.6	87.5	51	67.2	1	W	2	W	29.857
7/8/2008	12:20 PM	87.6	87.6	87.5	50	66.7	3	SW	4	W	29.858
7/8/2008	12:21 PM	87.7	87.7	87.6	51	67.3	1	WSW	5	SSW	29.859
7/8/2008	12:22 PM	87.7	87.7	87.7	50	66.8	2	SSW	5	SSW	29.855
7/8/2008	12:23 PM	87.8	87.8	87.7	50	66.8	1	SSE	2	S	29.854
7/8/2008	12:24 PM	87.9	87.9	87.8	50	66.9	1	W	3	W	29.855
7/8/2008	12:25 PM	87.9	87.9	87.9	50	66.9	2	W	4	WSW	29.855
7/8/2008	12:26 PM	88	88	87.9	50	67	1	SW	3	W	29.855
7/8/2008	12:27 PM	88	88	88	49	66.4	2	W	5	W	29.857
7/8/2008	12:28 PM	88	88	88	47	65.2	5	W	8	W	29.853
7/8/2008	12:29 PM	88	88	88	48	65.8	2	WSW	5	W	29.852
7/8/2008	12:30 PM	88	88	88	48	65.8	4	SW	6	SSW	29.853
7/8/2008	12:31 PM	88	88	88	48	65.8	5	W	7	W	29.853
7/8/2008	12:32 PM	88	88	88	48	65.8	5	WNW	7	NW	29.85
7/8/2008	12:33 PM	88	88	88	47	65.2	4	W	9	WSW	29.855
7/8/2008	12:34 PM	87.9	88	87.9	47	65.2	5	WNW	10	WSW	29.851
7/8/2008	12:35 PM	87.9	87.9	87.9	47	65.2	4	W	6	W	29.853

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	12:36 PM	87.9	87.9	87.9	48	65.8	1	WSW	3	WNW	29.852
7/8/2008	12:37 PM	87.9	87.9	87.9	48	65.8	1	WNW	6	SW	29.849
7/8/2008	12:38 PM	88	88	87.9	48	65.8	2	SW	3	WSW	29.85
7/8/2008	12:39 PM	88	88	88	48	65.8	4	W	8	WSW	29.852
7/8/2008	12:40 PM	88.1	88.1	88	48	65.9	3	NW	6	SW	29.851
7/8/2008	12:41 PM	88.1	88.1	88	48	65.9	1	S	4	S	29.849
7/8/2008	12:42 PM	88.1	88.1	88.1	48	65.9	2	WSW	4	WSW	29.851
7/8/2008	12:43 PM	88.2	88.2	88.1	49	66.6	3	W	8	W	29.848
7/8/2008	12:44 PM	88.3	88.3	88.2	49	66.7	3	WNW	5	WNW	29.849
7/8/2008	12:45 PM	88.3	88.3	88.3	49	66.7	3	W	5	WSW	29.848
7/8/2008	12:46 PM	88.4	88.4	88.4	48	66.2	3	WSW	6	WSW	29.846
7/8/2008	12:47 PM	88.5	88.5	88.4	48	66.3	7	W	11	WSW	29.846
7/8/2008	12:48 PM	88.6	88.6	88.5	48	66.4	5	S	9	SSW	29.845
7/8/2008	12:49 PM	88.6	88.6	88.5	48	66.4	2	SW	3	W	29.846
7/8/2008	12:50 PM	88.6	88.6	88.6	48	66.4	3	W	7	W	29.845
7/8/2008	12:51 PM	88.6	88.6	88.6	49	67	4	W	7	WSW	29.844
7/8/2008	12:52 PM	88.6	88.6	88.6	49	67	3	SW	5	WNW	29.844
7/8/2008	12:53 PM	88.6	88.6	88.6	49	67	4	SW	7	W	29.843
7/8/2008	12:54 PM	88.6	88.6	88.6	50	67.6	3	SSW	5	WNW	29.842
7/8/2008	12:55 PM	88.6	88.6	88.6	49	67	6	W	9	NW	29.842
7/8/2008	12:56 PM	88.6	88.6	88.6	49	67	5	WSW	9	W	29.841
7/8/2008	12:57 PM	88.6	88.6	88.6	49	67	2	SSE	4	S	29.843
7/8/2008	12:58 PM	88.5	88.6	88.5	49	66.9	1	SW	2	SW	29.841
7/8/2008	12:59 PM	88.6	88.6	88.5	50	67.6	2	W	12	W	29.841
7/8/2008	1:00 PM	88.5	88.6	88.5	49	66.9	8	W	12	W	29.841
7/8/2008	1:01 PM	88.4	88.5	88.4	49	66.8	3	W	12	WNW	29.841
7/8/2008	1:02 PM	88.3	88.4	88.3	49	66.7	4	WNW	7	W	29.839
7/8/2008	1:03 PM	88.2	88.3	88.2	50	67.2	5	W	9	W	29.838
7/8/2008	1:04 PM	88.2	88.3	88.2	50	67.2	4	WSW	9	WNW	29.839
7/8/2008	1:05 PM	88.1	88.2	88.1	50	67.1	1	SW	3	SW	29.841
7/8/2008	1:06 PM	88.1	88.2	88.1	50	67.1	1	W	4	W	29.841
7/8/2008	1:07 PM	88.1	88.1	88.1	50	67.1	1	WSW	4	WSW	29.838
7/8/2008	1:08 PM	88.1	88.1	88.1	51	67.7	1	WSW	4	WSW	29.842
7/8/2008	1:09 PM	88.2	88.2	88.2	50	67.2	3	SW	7	SSW	29.839
7/8/2008	1:10 PM	88.3	88.3	88.2	51	67.9	2	SSW	5	SSW	29.839
7/8/2008	1:11 PM	88.3	88.3	88.3	50	67.3	4	W	7	WSW	29.84
7/8/2008	1:12 PM	88.5	88.5	88.4	50	67.5	3	W	6	WNW	29.839
7/8/2008	1:13 PM	88.5	88.5	88.5	50	67.5	1	S	4	SSW	29.838
7/8/2008	1:14 PM	88.7	88.7	88.6	50	67.7	2	ENE	4	ENE	29.838
7/8/2008	1:15 PM	88.8	88.8	88.7	48	66.6	0	NW	1	NW	29.839
7/8/2008	1:16 PM	89	89	88.9	48	66.8	1	W	4	WNW	29.837
7/8/2008	1:17 PM	89.1	89.1	89	48	66.9	5	W	13	W	29.838
7/8/2008	1:18 PM	89.1	89.1	89.1	46	65.6	5	W	11	W	29.836
7/8/2008	1:19 PM	89.1	89.1	89.1	48	66.9	4	SSW	9	S	29.838
7/8/2008	1:20 PM	89.1	89.1	89.1	47	66.2	4	S	10	SSE	29.838
7/8/2008	1:21 PM	89.1	89.1	89.1	46	65.6	3	WNW	7	SSW	29.835
7/8/2008	1:22 PM	89.1	89.1	89.1	46	65.6	4	W	7	WSW	29.833
7/8/2008	1:23 PM	89.1	89.1	89.1	46	65.6	3	W	6	NW	29.834

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	1:24 PM	89.1	89.1	89.1	46	65.6	2	WSW	4	SW	29.834
7/8/2008	1:25 PM	89.1	89.1	89.1	47	66.2	2	SSE	5	SSE	29.836
7/8/2008	1:26 PM	89.2	89.2	89.1	47	66.3	3	SE	7	W	29.836
7/8/2008	1:27 PM	89.2	89.2	89.2	46	65.7	5	W	7	NW	29.835
7/8/2008	1:28 PM	89.2	89.2	89.2	46	65.7	4	WSW	9	WNW	29.834
7/8/2008	1:29 PM	89.2	89.3	89.2	46	65.7	1	NNW	3	W	29.835
7/8/2008	1:30 PM	89.3	89.3	89.3	46	65.8	6	W	10	WNW	29.835
7/8/2008	1:31 PM	89.3	89.3	89.3	46	65.8	6	W	13	WNW	29.835
7/8/2008	1:32 PM	89.3	89.3	89.3	45	65.2	7	W	12	WNW	29.837
7/8/2008	1:33 PM	89.3	89.3	89.3	44	64.5	6	WSW	10	WSW	29.838
7/8/2008	1:34 PM	89.2	89.3	89.2	44	64.4	5	W	10	WNW	29.834
7/8/2008	1:35 PM	89.2	89.2	89.2	44	64.4	3	SW	6	W	29.835
7/8/2008	1:36 PM	89.3	89.3	89.2	45	65.2	7	W	14	W	29.837
7/8/2008	1:37 PM	89.2	89.3	89.2	44	64.4	4	WSW	7	WSW	29.833
7/8/2008	1:38 PM	89.3	89.3	89.2	44	64.5	6	W	10	W	29.835
7/8/2008	1:39 PM	89.2	89.2	89.2	44	64.4	5	W	8	WSW	29.83
7/8/2008	1:40 PM	89.2	89.2	89.2	43	63.8	8	W	14	W	29.832
7/8/2008	1:41 PM	89.2	89.2	89.2	43	63.8	6	W	14	W	29.83
7/8/2008	1:42 PM	89.2	89.2	89.2	43	63.8	3	W	7	W	29.829
7/8/2008	1:43 PM	89.2	89.2	89.2	43	63.8	3	SSW	10	SSW	29.83
7/8/2008	1:44 PM	89.3	89.3	89.2	44	64.5	3	WSW	7	W	29.831
7/8/2008	1:45 PM	89.3	89.3	89.3	44	64.5	6	W	10	W	29.83
7/8/2008	1:46 PM	89.3	89.4	89.3	44	64.5	4	N	12	WNW	29.831
7/8/2008	1:47 PM	89.4	89.4	89.4	45	65.3	4	SW	10	WNW	29.828
7/8/2008	1:48 PM	89.4	89.4	89.3	45	65.3	5	WNW	12	WNW	29.83
7/8/2008	1:49 PM	89.4	89.4	89.4	45	65.3	5	SSE	11	SSW	29.829
7/8/2008	1:50 PM	89.5	89.5	89.4	44	64.7	7	WNW	11	SW	29.829
7/8/2008	1:51 PM	89.4	89.5	89.4	43	64	4	SSE	9	SSE	29.827
7/8/2008	1:52 PM	89.4	89.5	89.4	43	64	3	E	4	NW	29.828
7/8/2008	1:53 PM	89.4	89.5	89.4	44	64.6	4	W	6	W	29.825
7/8/2008	1:54 PM	89.5	89.5	89.4	43	64	4	W	9	W	29.828
7/8/2008	1:55 PM	89.5	89.5	89.5	43	64	2	SW	4	NE	29.825
7/8/2008	1:56 PM	89.5	89.5	89.5	43	64	1	WSW	3	WSW	29.824
7/8/2008	1:57 PM	89.6	89.6	89.5	43	64.1	4	SSW	6	ENE	29.83
7/8/2008	1:58 PM	89.6	89.6	89.6	44	64.8	3	W	7	NW	29.826
7/8/2008	1:59 PM	89.6	89.7	89.6	44	64.8	5	WNW	11	W	29.823
7/8/2008	2:00 PM	89.6	89.6	89.6	44	64.8	5	WSW	7	WSW	29.824
7/8/2008	2:01 PM	89.5	89.5	89.5	45	65.4	3	WSW	11	WSW	29.821
7/8/2008	2:02 PM	89.4	89.5	89.4	45	65.3	4	WNW	11	SE	29.824
7/8/2008	2:03 PM	89.4	89.5	89.4	46	65.9	5	SW	10	W	29.821
7/8/2008	2:04 PM	89.4	89.4	89.4	45	65.3	3	S	6	SSW	29.822
7/8/2008	2:05 PM	89.4	89.4	89.4	46	65.9	4	NW	7	SW	29.821
7/8/2008	2:06 PM	89.3	89.4	89.3	45	65.2	3	NNW	5	NNW	29.82
7/8/2008	2:07 PM	89.4	89.4	89.4	46	65.9	5	W	15	SSW	29.822
7/8/2008	2:08 PM	89.4	89.4	89.4	45	65.3	2	SSE	5	SSW	29.823
7/8/2008	2:09 PM	89.5	89.5	89.4	45	65.4	6	WSW	13	WSW	29.823
7/8/2008	2:10 PM	89.5	89.5	89.4	44	64.7	8	W	12	WNW	29.823
7/8/2008	2:11 PM	89.4	89.5	89.4	44	64.6	5	W	8	W	29.824

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	2:12 PM	89.5	89.5	89.5	44	64.7	2	NNE	4	SSW	29.824
7/8/2008	2:13 PM	89.5	89.5	89.5	45	65.4	3	SW	7	SW	29.825
7/8/2008	2:14 PM	89.6	89.6	89.5	44	64.8	5	SSE	10	S	29.827
7/8/2008	2:15 PM	89.6	89.6	89.6	44	64.8	2	WNW	9	W	29.823
7/8/2008	2:16 PM	89.7	89.7	89.6	43	64.2	4	W	7	WNW	29.823
7/8/2008	2:17 PM	89.6	89.7	89.6	43	64.1	6	WSW	11	W	29.825
7/8/2008	2:18 PM	89.6	89.7	89.6	43	64.1	4	SSE	5	SSW	29.823
7/8/2008	2:19 PM	89.6	89.6	89.6	43	64.1	5	W	9	SSE	29.825
7/8/2008	2:20 PM	89.6	89.6	89.6	43	64.1	2	E	4	SSW	29.822
7/8/2008	2:21 PM	89.6	89.6	89.6	42	63.5	5	W	10	W	29.822
7/8/2008	2:22 PM	89.5	89.6	89.5	42	63.4	8	W	12	W	29.816
7/8/2008	2:23 PM	89.5	89.5	89.5	43	64	4	N	10	NNW	29.821
7/8/2008	2:24 PM	89.5	89.5	89.5	42	63.4	3	SW	6	WSW	29.819
7/8/2008	2:25 PM	89.5	89.5	89.5	41	62.7	4	SE	7	ESE	29.821
7/8/2008	2:26 PM	89.5	89.5	89.5	41	62.7	5	WSW	10	WSW	29.819
7/8/2008	2:27 PM	89.5	89.5	89.5	42	63.4	3	WNW	5	WNW	29.819
7/8/2008	2:28 PM	89.5	89.5	89.5	42	63.4	3	SSW	6	SSE	29.819
7/8/2008	2:29 PM	89.5	89.5	89.5	43	64	2	SW	6	SSW	29.818
7/8/2008	2:30 PM	89.6	89.6	89.5	42	63.5	5	W	14	W	29.817
7/8/2008	2:31 PM	89.6	89.6	89.6	42	63.5	4	SW	6	SW	29.816
7/8/2008	2:32 PM	89.7	89.7	89.6	43	64.2	5	W	10	W	29.815
7/8/2008	2:33 PM	89.7	89.7	89.7	43	64.2	6	W	9	W	29.815
7/8/2008	2:34 PM	89.8	89.8	89.7	43	64.3	3	SW	7	WNW	29.814
7/8/2008	2:35 PM	89.8	89.8	89.8	42	63.6	4	W	7	W	29.813
7/8/2008	2:36 PM	89.9	89.9	89.9	43	64.4	2	SW	5	SW	29.815
7/8/2008	2:37 PM	90	90	89.9	43	64.5	3	WNW	8	WSW	29.813
7/8/2008	2:38 PM	90.1	90.1	90	43	64.6	3	S	5	W	29.812
7/8/2008	2:39 PM	90.1	90.1	90.1	43	64.6	3	SW	7	W	29.812
7/8/2008	2:40 PM	90.2	90.2	90.2	43	64.7	2	W	5	W	29.811
7/8/2008	2:41 PM	90.3	90.3	90.2	44	65.4	3	W	7	W	29.809
7/8/2008	2:42 PM	90.4	90.4	90.3	42	64.2	3	WNW	6	NNW	29.808
7/8/2008	2:43 PM	90.4	90.4	90.3	43	64.9	3	WSW	10	SSE	29.808
7/8/2008	2:44 PM	90.5	90.5	90.4	42	64.3	6	W	14	W	29.805
7/8/2008	2:45 PM	90.5	90.5	90.5	42	64.3	7	W	10	WSW	29.807
7/8/2008	2:46 PM	90.4	90.5	90.4	42	64.2	4	SW	9	WSW	29.807
7/8/2008	2:47 PM	90.4	90.4	90.4	42	64.2	3	SSE	6	SSE	29.804
7/8/2008	2:48 PM	90.4	90.4	90.4	43	64.9	5	W	11	W	29.805
7/8/2008	2:49 PM	90.4	90.4	90.4	43	64.9	4	W	10	W	29.807
7/8/2008	2:50 PM	90.4	90.4	90.4	42	64.2	2	SW	5	SSE	29.802
7/8/2008	2:51 PM	90.4	90.4	90.4	43	64.9	1	WSW	5	NW	29.801
7/8/2008	2:52 PM	90.5	90.5	90.4	42	64.3	3	W	7	S	29.802
7/8/2008	2:53 PM	90.5	90.5	90.5	43	64.9	3	WSW	5	WSW	29.802
7/8/2008	2:54 PM	90.6	90.6	90.5	43	65	6	W	9	SW	29.803
7/8/2008	2:55 PM	90.6	90.6	90.6	42	64.4	7	WSW	12	WSW	29.802
7/8/2008	2:56 PM	90.5	90.6	90.5	42	64.3	7	W	11	WSW	29.804
7/8/2008	2:57 PM	90.4	90.5	90.4	43	64.9	5	WSW	11	WNW	29.804
7/8/2008	2:58 PM	90.4	90.4	90.4	43	64.9	4	SSW	6	S	29.803
7/8/2008	2:59 PM	90.4	90.4	90.4	43	64.9	3	SW	9	WSW	29.801

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	3:00 PM	90.5	90.5	90.4	42	64.3	2	SW	5	NW	29.8
7/8/2008	3:01 PM	90.5	90.5	90.5	42	64.3	3	SW	6	S	29.801
7/8/2008	3:02 PM	90.6	90.6	90.5	41	63.7	3	S	7	WNW	29.799
7/8/2008	3:03 PM	90.7	90.7	90.6	41	63.8	6	W	11	W	29.796
7/8/2008	3:04 PM	90.7	90.7	90.7	41	63.8	4	SW	9	S	29.8
7/8/2008	3:05 PM	90.8	90.8	90.7	41	63.9	8	W	15	W	29.799
7/8/2008	3:06 PM	90.8	90.8	90.7	41	63.9	3	W	5	SSW	29.797
7/8/2008	3:07 PM	90.8	90.8	90.8	41	63.9	3	SSE	5	SSW	29.798
7/8/2008	3:08 PM	90.8	90.8	90.8	42	64.5	5	W	8	WSW	29.8
7/8/2008	3:09 PM	90.8	90.8	90.8	41	63.9	5	WNW	10	WNW	29.799
7/8/2008	3:10 PM	90.8	90.8	90.8	41	63.9	2	W	4	W	29.798
7/8/2008	3:11 PM	90.9	90.9	90.9	42	64.6	2	W	5	SW	29.798
7/8/2008	3:12 PM	91	91	90.9	41	64	5	W	8	W	29.799
7/8/2008	3:13 PM	91	91	91	41	64	4	W	8	W	29.799
7/8/2008	3:14 PM	91.1	91.1	91	41	64.1	7	W	12	WNW	29.798
7/8/2008	3:15 PM	91	91.1	91	41	64	4	W	7	W	29.8
7/8/2008	3:16 PM	91	91	91	41	64	3	SSW	7	SW	29.798
7/8/2008	3:17 PM	91	91	91	41	64	2	WSW	6	SW	29.801
7/8/2008	3:18 PM	91	91	91	41	64	6	WSW	11	W	29.799
7/8/2008	3:19 PM	91	91	91	41	64	3	S	7	WSW	29.8
7/8/2008	3:20 PM	91.1	91.1	91	41	64.1	2	SW	6	WSW	29.801
7/8/2008	3:21 PM	91.1	91.1	91	41	64.1	4	WNW	6	WNW	29.8
7/8/2008	3:22 PM	91.2	91.2	91.1	41	64.2	2	ESE	5	WSW	29.801
7/8/2008	3:23 PM	91.2	91.2	91.2	41	64.2	5	W	9	W	29.8
7/8/2008	3:24 PM	91.2	91.2	91.2	41	64.2	3	SW	5	W	29.8
7/8/2008	3:25 PM	91.3	91.3	91.2	41	64.3	6	SSW	13	SSW	29.799
7/8/2008	3:26 PM	91.3	91.3	91.2	41	64.3	4	S	6	SW	29.802
7/8/2008	3:27 PM	91.2	91.3	91.2	40	63.5	2	S	6	SW	29.8
7/8/2008	3:28 PM	91.2	91.2	91.2	40	63.5	3	WSW	7	W	29.798
7/8/2008	3:29 PM	91.2	91.2	91.2	41	64.2	1	WSW	5	W	29.798
7/8/2008	3:30 PM	91.2	91.2	91.2	41	64.2	1	NNW	5	WSW	29.797
7/8/2008	3:31 PM	91.2	91.2	91.2	41	64.2	3	W	6	SW	29.798
7/8/2008	3:32 PM	91.3	91.3	91.3	41	64.3	4	WNW	7	S	29.797
7/8/2008	3:33 PM	91.3	91.3	91.3	41	64.3	4	WSW	7	SW	29.796
7/8/2008	3:34 PM	91.4	91.4	91.3	41	64.4	1	SW	3	SW	29.794
7/8/2008	3:35 PM	91.5	91.5	91.4	41	64.5	2	WSW	4	SSE	29.797
7/8/2008	3:36 PM	91.5	91.5	91.5	40	63.8	4	WSW	8	S	29.793
7/8/2008	3:37 PM	91.6	91.6	91.6	40	63.9	1	SW	5	W	29.795
7/8/2008	3:38 PM	91.7	91.7	91.6	40	64	3	SE	12	W	29.793
7/8/2008	3:39 PM	91.7	91.7	91.7	40	64	6	W	11	WNW	29.795
7/8/2008	3:40 PM	91.7	91.7	91.6	40	64	3	WSW	6	WNW	29.794
7/8/2008	3:41 PM	91.6	91.7	91.6	40	63.9	4	W	9	W	29.792
7/8/2008	3:42 PM	91.5	91.6	91.5	40	63.8	2	W	5	WNW	29.79
7/8/2008	3:43 PM	91.5	91.5	91.5	41	64.5	2	WSW	4	WSW	29.789
7/8/2008	3:44 PM	91.5	91.5	91.5	40	63.8	3	WSW	6	W	29.792
7/8/2008	3:45 PM	91.5	91.5	91.4	41	64.5	2	WNW	4	WSW	29.79
7/8/2008	3:46 PM	91.4	91.5	91.4	41	64.4	4	W	6	W	29.79
7/8/2008	3:47 PM	91.4	91.4	91.4	40	63.7	3	SSW	7	WSW	29.79



Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	3:48 PM	91.4	91.4	91.4	41	64.4	1	SSE	3	W	29.788
7/8/2008	3:49 PM	91.5	91.5	91.4	40	63.8	3	W	5	W	29.788
7/8/2008	3:50 PM	91.6	91.6	91.5	41	64.6	2	SSW	3	W	29.789
7/8/2008	3:51 PM	91.7	91.7	91.6	40	64	3	SSW	5	W	29.787
7/8/2008	3:52 PM	91.7	91.7	91.7	40	64	1	SW	2	SW	29.789
7/8/2008	3:53 PM	91.8	91.8	91.8	40	64	1	SW	2	ESE	29.787
7/8/2008	3:54 PM	91.9	91.9	91.9	40	64.1	3	SW	6	SW	29.787
7/8/2008	3:55 PM	92	92	92	40	64.2	3	SW	7	SSW	29.789
7/8/2008	3:56 PM	92.1	92.1	92	40	64.3	1	E	3	ESE	29.788
7/8/2008	3:57 PM	92.2	92.2	92.1	41	65.1	1	WSW	3	SW	29.784
7/8/2008	3:58 PM	92.2	92.2	92.2	40	64.4	2	SSW	6	W	29.783
7/8/2008	3:59 PM	92.3	92.3	92.2	40	64.5	0	SSW	1	SSW	29.78
7/8/2008	4:00 PM	92.3	92.3	92.3	40	64.5	1	SSW	4	SSW	29.783
7/8/2008	4:01 PM	92.3	92.4	92.3	40	64.5	6	W	9	NW	29.784
7/8/2008	4:02 PM	92.3	92.3	92.3	39	63.8	5	WSW	10	WSW	29.781
7/8/2008	4:03 PM	92.2	92.3	92.2	39	63.7	4	W	7	WSW	29.781
7/8/2008	4:04 PM	92.2	92.2	92.2	39	63.7	6	W	10	WNW	29.782
7/8/2008	4:05 PM	92.1	92.2	92.1	40	64.3	3	W	5	WSW	29.783
7/8/2008	4:06 PM	92.1	92.1	92.1	40	64.3	4	SW	9	SSE	29.783
7/8/2008	4:07 PM	92.1	92.1	92.1	39	63.6	3	SSW	6	SW	29.782
7/8/2008	4:08 PM	92.1	92.1	92.1	39	63.6	1	S	1	SSE	29.778
7/8/2008	4:09 PM	92.1	92.1	92.1	40	64.3	5	S	7	WNW	29.784
7/8/2008	4:10 PM	92.1	92.1	92.1	40	64.3	0	SSE	2	S	29.78
7/8/2008	4:11 PM	92.1	92.1	92.1	40	64.3	2	SE	5	WNW	29.779
7/8/2008	4:12 PM	92.2	92.2	92.2	40	64.4	1	S	5	SW	29.779
7/8/2008	4:13 PM	92.2	92.2	92.2	41	65.1	3	E	8	W	29.778
7/8/2008	4:14 PM	92.2	92.2	92.2	40	64.4	2	SW	7	WNW	29.776
7/8/2008	4:15 PM	92.3	92.3	92.2	41	65.2	3	WSW	6	WSW	29.78
7/8/2008	4:16 PM	92.3	92.3	92.2	40	64.5	4	W	11	NW	29.779
7/8/2008	4:17 PM	92.3	92.3	92.2	41	65.2	2	S	5	S	29.775
7/8/2008	4:18 PM	92.3	92.3	92.2	41	65.2	4	WSW	6	WNW	29.777
7/8/2008	4:19 PM	92.2	92.3	92.2	41	65.1	2	SW	3	WNW	29.777
7/8/2008	4:20 PM	92.3	92.3	92.3	41	65.2	2	WNW	4	WNW	29.775
7/8/2008	4:21 PM	92.2	92.3	92.2	40	64.4	3	W	6	SW	29.778
7/8/2008	4:22 PM	92.2	92.3	92.2	40	64.4	4	W	9	WSW	29.777
7/8/2008	4:23 PM	92.2	92.2	92.2	40	64.4	4	WSW	10	WSW	29.776
7/8/2008	4:24 PM	92.1	92.2	92.1	40	64.3	6	W	11	W	29.772
7/8/2008	4:25 PM	92	92.1	92	40	64.2	5	W	7	NW	29.773
7/8/2008	4:26 PM	92	92	92	41	64.9	2	WSW	5	WNW	29.772
7/8/2008	4:27 PM	92	92	92	41	64.9	1	NE	3	SW	29.775
7/8/2008	4:28 PM	92	92	92	41	64.9	0	SW	1	SW	29.77
7/8/2008	4:29 PM	92.1	92.1	92	40	64.3	4	W	7	WNW	29.769
7/8/2008	4:30 PM	92.2	92.2	92.2	41	65.1	3	SSW	5	W	29.771
7/8/2008	4:31 PM	92.2	92.2	92.2	41	65.1	1	W	6	W	29.771
7/8/2008	4:32 PM	92.3	92.3	92.3	41	65.2	2	WSW	4	W	29.77
7/8/2008	4:33 PM	92.3	92.3	92.3	41	65.2	3	W	4	W	29.77
7/8/2008	4:34 PM	92.3	92.4	92.3	41	65.2	5	WSW	9	WSW	29.769
7/8/2008	4:35 PM	92.3	92.3	92.3	41	65.2	5	W	10	W	29.77

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	4:36 PM	92.2	92.3	92.2	40	64.4	5	WSW	10	WSW	29.768
7/8/2008	4:37 PM	92.1	92.2	92.1	41	65	8	W	12	NW	29.767
7/8/2008	4:38 PM	92	92.1	92	41	64.9	2	WSW	5	SSE	29.77
7/8/2008	4:39 PM	92	92	92	42	65.6	3	SW	6	SSW	29.768
7/8/2008	4:40 PM	92	92	92	41	64.9	4	S	7	S	29.769
7/8/2008	4:41 PM	91.9	92	91.9	41	64.8	7	W	11	WNW	29.767
7/8/2008	4:42 PM	91.9	91.9	91.9	41	64.8	5	W	7	NW	29.77
7/8/2008	4:43 PM	91.8	91.8	91.8	42	65.4	2	SW	5	SW	29.768
7/8/2008	4:44 PM	91.8	91.8	91.8	42	65.4	1	SSE	3	W	29.766
7/8/2008	4:45 PM	91.9	91.9	91.8	43	66.2	2	WSW	5	W	29.766
7/8/2008	4:46 PM	92	92	91.9	42	65.6	3	NNW	6	W	29.765
7/8/2008	4:47 PM	92	92	91.9	42	65.6	4	W	7	WSW	29.765
7/8/2008	4:48 PM	92	92	92	42	65.6	2	W	4	W	29.763
7/8/2008	4:49 PM	92	92.1	92	41	64.9	6	W	10	W	29.764
7/8/2008	4:50 PM	92	92	92	42	65.6	5	WSW	12	WNW	29.762
7/8/2008	4:51 PM	91.9	91.9	91.9	42	65.5	3	W	5	WSW	29.761
7/8/2008	4:52 PM	91.8	91.9	91.8	42	65.4	1	W	5	W	29.759
7/8/2008	4:53 PM	91.9	91.9	91.8	42	65.5	2	W	4	SW	29.76
7/8/2008	4:54 PM	91.9	91.9	91.9	42	65.5	2	WSW	5	WSW	29.758
7/8/2008	4:55 PM	91.9	91.9	91.8	42	65.5	4	WNW	7	WSW	29.76
7/8/2008	4:56 PM	91.9	91.9	91.9	42	65.5	7	W	12	WNW	29.76
7/8/2008	4:57 PM	91.8	91.8	91.8	42	65.4	4	W	6	W	29.76
7/8/2008	4:58 PM	91.8	91.8	91.8	42	65.4	3	W	5	W	29.759
7/8/2008	4:59 PM	91.8	91.8	91.8	42	65.4	3	WSW	4	WSW	29.76
7/8/2008	5:00 PM	91.7	91.8	91.7	42	65.4	0	WSW	2	WSW	29.76
7/8/2008	5:01 PM	91.8	91.8	91.7	42	65.4	1	WSW	7	W	29.76
7/8/2008	5:02 PM	91.8	91.8	91.8	42	65.4	4	SW	6	W	29.758
7/8/2008	5:03 PM	91.9	91.9	91.8	42	65.5	4	SSW	7	NW	29.759
7/8/2008	5:04 PM	91.9	91.9	91.9	43	66.2	1	SW	3	SW	29.757
7/8/2008	5:05 PM	92	92	91.9	42	65.6	0	SSW	2	W	29.755
7/8/2008	5:06 PM	92.1	92.1	92	42	65.7	3	WSW	9	NW	29.758
7/8/2008	5:07 PM	92.1	92.1	92	43	66.4	2	WSW	7	W	29.757
7/8/2008	5:08 PM	92.2	92.2	92.1	42	65.8	4	W	9	SW	29.757
7/8/2008	5:09 PM	92.2	92.2	92.1	41	65.1	2	WSW	4	WSW	29.757
7/8/2008	5:10 PM	92.1	92.2	92.1	42	65.7	2	SW	4	SSE	29.757
7/8/2008	5:11 PM	92.2	92.2	92.1	42	65.8	1	SW	3	WSW	29.756
7/8/2008	5:12 PM	92.2	92.2	92.2	43	66.5	4	SSE	7	SSW	29.755
7/8/2008	5:13 PM	92.2	92.2	92.2	42	65.8	2	E	3	ESE	29.755
7/8/2008	5:14 PM	92.2	92.2	92.2	43	66.5	0	E	2	E	29.757
7/8/2008	5:15 PM	92.3	92.3	92.2	42	65.9	3	SSE	8	SSE	29.759
7/8/2008	5:16 PM	92.3	92.3	92.3	43	66.6	1	S	4	SSE	29.757
7/8/2008	5:17 PM	92.3	92.3	92.3	42	65.9	2	W	5	W	29.754
7/8/2008	5:18 PM	92.3	92.3	92.3	42	65.9	1	SSW	3	SSW	29.755
7/8/2008	5:19 PM	92.4	92.4	92.3	43	66.7	3	W	6	WSW	29.753
7/8/2008	5:20 PM	92.3	92.3	92.3	42	65.9	3	W	6	W	29.754
7/8/2008	5:21 PM	92.2	92.2	92.2	42	65.8	1	W	2	WNW	29.753
7/8/2008	5:22 PM	92.1	92.2	92.1	42	65.7	1	W	3	W	29.754
7/8/2008	5:23 PM	92	92	92	43	66.3	1	ENE	2	SSE	29.754

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	5:24 PM	91.9	91.9	91.9	43	66.2	1	WSW	3	WSW	29.755
7/8/2008	5:25 PM	91.8	91.9	91.8	43	66.1	2	SW	6	SSW	29.754
7/8/2008	5:26 PM	91.8	91.8	91.7	43	66.1	2	WSW	6	W	29.754
7/8/2008	5:27 PM	91.7	91.7	91.7	43	66	1	WSW	2	WSW	29.751
7/8/2008	5:28 PM	91.7	91.7	91.7	43	66	1	WSW	3	SSW	29.751
7/8/2008	5:29 PM	91.7	91.7	91.6	44	66.7	1	SSW	4	SSW	29.749
7/8/2008	5:30 PM	91.6	91.6	91.6	43	65.9	1	SW	4	ENE	29.748
7/8/2008	5:31 PM	91.6	91.6	91.6	43	65.9	2	ESE	7	ENE	29.747
7/8/2008	5:32 PM	91.5	91.6	91.5	44	66.5	1	ESE	4	NNE	29.747
7/8/2008	5:33 PM	91.5	91.5	91.5	43	65.8	3	SSW	6	SSW	29.747
7/8/2008	5:34 PM	91.5	91.5	91.4	43	65.8	2	SSW	4	SSW	29.749
7/8/2008	5:35 PM	91.4	91.4	91.4	44	66.4	3	SSW	7	W	29.751
7/8/2008	5:36 PM	91.4	91.4	91.4	44	66.4	3	W	5	SW	29.749
7/8/2008	5:37 PM	91.3	91.4	91.3	44	66.3	2	SE	5	ESE	29.747
7/8/2008	5:38 PM	91.3	91.3	91.3	44	66.3	0	---	0	---	29.747
7/8/2008	5:39 PM	91.4	91.4	91.3	45	67.1	1	W	4	W	29.745
7/8/2008	5:40 PM	91.5	91.5	91.4	45	67.2	2	WNW	3	NW	29.747
7/8/2008	5:41 PM	91.5	91.5	91.5	44	66.5	2	WNW	3	SW	29.747
7/8/2008	5:42 PM	91.6	91.6	91.6	44	66.6	2	W	5	W	29.747
7/8/2008	5:43 PM	91.7	91.7	91.6	44	66.7	4	WNW	7	WSW	29.747
7/8/2008	5:44 PM	91.6	91.7	91.6	44	66.6	3	WNW	6	WSW	29.747
7/8/2008	5:45 PM	91.6	91.7	91.6	45	67.3	1	W	4	WNW	29.747
7/8/2008	5:46 PM	91.6	91.6	91.6	45	67.3	0	N	2	NNW	29.748
7/8/2008	5:47 PM	91.7	91.7	91.6	44	66.7	2	W	5	WSW	29.745
7/8/2008	5:48 PM	91.7	91.7	91.6	44	66.7	4	WSW	6	W	29.746
7/8/2008	5:49 PM	91.7	91.7	91.7	44	66.7	3	W	4	WSW	29.744
7/8/2008	5:50 PM	91.7	91.7	91.7	44	66.7	3	W	6	W	29.744
7/8/2008	5:51 PM	91.7	91.7	91.7	44	66.7	3	S	4	W	29.745
7/8/2008	5:52 PM	91.7	91.7	91.7	45	67.3	2	WSW	3	WSW	29.745
7/8/2008	5:53 PM	91.7	91.7	91.7	45	67.3	2	S	3	SSW	29.744
7/8/2008	5:54 PM	91.7	91.7	91.7	45	67.3	3	S	4	S	29.744
7/8/2008	5:55 PM	91.7	91.7	91.7	45	67.3	2	SSW	4	W	29.744
7/8/2008	5:56 PM	91.7	91.7	91.7	44	66.7	2	WSW	5	W	29.745
7/8/2008	5:57 PM	91.6	91.6	91.6	45	67.3	0	WSW	1	WSW	29.745
7/8/2008	5:58 PM	91.6	91.6	91.6	45	67.3	0	---	0	---	29.744
7/8/2008	5:59 PM	91.6	91.6	91.6	45	67.3	0	S	3	S	29.743
7/8/2008	6:00 PM	91.6	91.6	91.6	45	67.3	2	SSW	4	SSW	29.744
7/8/2008	6:01 PM	91.6	91.6	91.6	45	67.3	0	---	0	---	29.744
7/8/2008	6:02 PM	91.7	91.7	91.6	45	67.3	0	---	0	---	29.744
7/8/2008	6:03 PM	91.7	91.7	91.7	45	67.3	0	NW	2	NW	29.743
7/8/2008	6:04 PM	91.8	91.8	91.7	45	67.4	2	W	6	NW	29.743
7/8/2008	6:05 PM	91.8	91.8	91.7	45	67.4	3	WSW	6	W	29.744
7/8/2008	6:06 PM	91.8	91.8	91.7	45	67.4	2	WSW	6	W	29.743
7/8/2008	6:07 PM	91.7	91.8	91.7	44	66.7	2	WNW	6	WSW	29.742
7/8/2008	6:08 PM	91.7	91.7	91.7	45	67.3	2	WSW	5	WSW	29.744
7/8/2008	6:09 PM	91.7	91.7	91.7	44	66.7	3	S	5	SW	29.744
7/8/2008	6:10 PM	91.7	91.7	91.7	44	66.7	3	SSW	6	WNW	29.744
7/8/2008	6:11 PM	91.7	91.7	91.7	44	66.7	1	ESE	3	NNE	29.745

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	6:12 PM	91.7	91.7	91.7	44	66.7	3	SW	5	WNW	29.746
7/8/2008	6:13 PM	91.6	91.7	91.6	45	67.3	3	W	5	WNW	29.744
7/8/2008	6:14 PM	91.6	91.6	91.6	44	66.6	1	NW	3	NNW	29.746
7/8/2008	6:15 PM	91.6	91.6	91.6	45	67.3	4	W	7	W	29.745
7/8/2008	6:16 PM	91.5	91.5	91.5	45	67.2	3	NW	5	WNW	29.744
7/8/2008	6:17 PM	91.5	91.5	91.5	45	67.2	4	S	8	SSW	29.747
7/8/2008	6:18 PM	91.4	91.5	91.4	44	66.4	3	SSE	5	SE	29.746
7/8/2008	6:19 PM	91.4	91.4	91.4	44	66.4	3	W	6	SE	29.743
7/8/2008	6:20 PM	91.4	91.4	91.4	45	67.1	2	SW	5	SW	29.744
7/8/2008	6:21 PM	91.3	91.4	91.3	45	67	2	S	4	NNE	29.744
7/8/2008	6:22 PM	91.3	91.4	91.3	45	67	1	E	2	NNE	29.744
7/8/2008	6:23 PM	91.3	91.3	91.3	45	67	2	SW	4	S	29.744
7/8/2008	6:24 PM	91.3	91.3	91.3	45	67	2	NW	3	NW	29.743
7/8/2008	6:25 PM	91.3	91.3	91.3	45	67	2	WSW	3	WSW	29.743
7/8/2008	6:26 PM	91.3	91.3	91.3	45	67	3	SSW	4	SSW	29.742
7/8/2008	6:27 PM	91.3	91.3	91.3	45	67	3	WSW	6	W	29.743
7/8/2008	6:28 PM	91.2	91.3	91.2	45	66.9	2	SSW	3	W	29.743
7/8/2008	6:29 PM	91.2	91.2	91.2	45	66.9	2	WNW	5	S	29.74
7/8/2008	6:30 PM	91.2	91.2	91.2	45	66.9	1	S	2	W	29.74
7/8/2008	6:31 PM	91.1	91.2	91.1	45	66.8	3	WSW	7	W	29.742
7/8/2008	6:32 PM	91.1	91.1	91.1	45	66.8	2	E	7	S	29.742
7/8/2008	6:33 PM	91.1	91.1	91.1	46	67.4	1	SSE	4	SSW	29.743
7/8/2008	6:34 PM	91.1	91.1	91.1	46	67.4	1	WSW	4	WSW	29.74
7/8/2008	6:35 PM	91.1	91.1	91.1	46	67.4	0	WSW	2	WSW	29.743
7/8/2008	6:36 PM	91.1	91.1	91.1	46	67.4	2	WSW	3	SSW	29.741
7/8/2008	6:37 PM	91.1	91.1	91.1	46	67.4	0	S	2	S	29.741
7/8/2008	6:38 PM	91.2	91.2	91.1	46	67.5	0	W	2	W	29.743
7/8/2008	6:39 PM	91.2	91.2	91.1	46	67.5	2	WSW	4	W	29.744
7/8/2008	6:40 PM	91.2	91.2	91.2	46	67.5	0	SW	2	SW	29.743
7/8/2008	6:41 PM	91.2	91.2	91.2	46	67.5	2	W	3	SSW	29.744
7/8/2008	6:42 PM	91.2	91.2	91.2	45	66.9	1	W	3	W	29.744
7/8/2008	6:43 PM	91.2	91.2	91.2	47	68.2	0	---	0	---	29.743
7/8/2008	6:44 PM	91.2	91.2	91.2	46	67.5	1	SSE	4	SSE	29.743
7/8/2008	6:45 PM	91.1	91.2	91.1	46	67.4	0	---	0	---	29.743
7/8/2008	6:46 PM	91.1	91.1	91.1	46	67.4	0	---	0	---	29.742
7/8/2008	6:47 PM	91.1	91.1	91.1	46	67.4	1	W	2	WNW	29.743
7/8/2008	6:48 PM	91.1	91.1	91.1	46	67.4	1	W	2	W	29.743
7/8/2008	6:49 PM	91.1	91.1	91.1	46	67.4	0	WSW	2	WSW	29.742
7/8/2008	6:50 PM	91.1	91.1	91.1	46	67.4	2	SW	4	WSW	29.742
7/8/2008	6:51 PM	91	91.1	91	46	67.3	3	WNW	5	WNW	29.741
7/8/2008	6:52 PM	90.9	91	90.9	46	67.3	2	SW	3	SW	29.74
7/8/2008	6:53 PM	90.8	90.9	90.8	46	67.2	1	W	2	W	29.74
7/8/2008	6:54 PM	90.8	90.8	90.7	47	67.8	0	W	1	W	29.74
7/8/2008	6:55 PM	90.7	90.8	90.7	47	67.7	0	E	1	E	29.739
7/8/2008	6:56 PM	90.6	90.7	90.6	47	67.6	0	---	0	---	29.737
7/8/2008	6:57 PM	90.7	90.7	90.6	47	67.7	0	WSW	1	WSW	29.739
7/8/2008	6:58 PM	90.6	90.6	90.6	47	67.6	1	WSW	3	W	29.738
7/8/2008	6:59 PM	90.7	90.7	90.6	47	67.7	0	---	0	---	29.738

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	7:00 PM	90.7	90.7	90.6	47	67.7	0	WSW	2	WSW	29.738
7/8/2008	7:01 PM	90.7	90.7	90.6	47	67.7	0	---	0	---	29.738
7/8/2008	7:02 PM	90.7	90.7	90.6	47	67.7	0	WSW	1	WSW	29.739
7/8/2008	7:03 PM	90.7	90.7	90.7	47	67.7	1	S	3	SW	29.74
7/8/2008	7:04 PM	90.7	90.7	90.7	47	67.7	0	NNE	1	NNE	29.739
7/8/2008	7:05 PM	90.6	90.7	90.6	47	67.6	0	N	1	N	29.74
7/8/2008	7:06 PM	90.6	90.7	90.6	47	67.6	0	SSW	2	SW	29.739
7/8/2008	7:07 PM	90.7	90.7	90.6	47	67.7	0	---	0	---	29.739
7/8/2008	7:08 PM	90.6	90.6	90.6	48	68.2	0	---	0	---	29.738
7/8/2008	7:09 PM	90.6	90.6	90.6	47	67.6	0	---	0	---	29.739
7/8/2008	7:10 PM	90.6	90.6	90.6	48	68.2	1	SSW	2	SSW	29.741
7/8/2008	7:11 PM	90.6	90.6	90.6	48	68.2	0	---	0	---	29.742
7/8/2008	7:12 PM	90.6	90.6	90.6	48	68.2	1	SW	2	SW	29.74
7/8/2008	7:13 PM	90.6	90.6	90.6	48	68.2	2	SSW	3	SSW	29.743
7/8/2008	7:14 PM	90.5	90.5	90.5	48	68.1	0	---	0	---	29.741
7/8/2008	7:15 PM	90.5	90.5	90.5	47	67.5	0	SSW	1	SSW	29.742
7/8/2008	7:16 PM	90.5	90.5	90.4	48	68.1	2	SSW	4	SSW	29.742
7/8/2008	7:17 PM	90.4	90.4	90.4	47	67.4	0	---	0	---	29.74
7/8/2008	7:18 PM	90.3	90.4	90.3	48	67.9	0	---	0	---	29.74
7/8/2008	7:19 PM	90.3	90.3	90.3	48	67.9	1	SW	6	SW	29.741
7/8/2008	7:20 PM	90.3	90.3	90.3	48	67.9	0	SE	1	SE	29.739
7/8/2008	7:21 PM	90.2	90.3	90.2	48	67.9	0	---	0	---	29.74
7/8/2008	7:22 PM	90.2	90.2	90.2	48	67.9	0	---	0	---	29.74
7/8/2008	7:23 PM	90.2	90.2	90.1	48	67.9	0	SW	1	SW	29.741
7/8/2008	7:24 PM	90.1	90.2	90.1	48	67.8	1	SSW	5	SSW	29.742
7/8/2008	7:25 PM	90.1	90.1	90.1	48	67.8	1	SSW	2	SSW	29.742
7/8/2008	7:26 PM	90	90	90	48	67.7	0	---	0	---	29.745
7/8/2008	7:27 PM	89.9	90	89.9	48	67.6	1	ESE	3	ESE	29.742
7/8/2008	7:28 PM	89.9	89.9	89.9	48	67.6	0	ESE	1	ESE	29.745
7/8/2008	7:29 PM	89.8	89.9	89.8	49	68.1	0	---	0	---	29.743
7/8/2008	7:30 PM	89.8	89.8	89.7	49	68.1	0	---	0	---	29.744
7/8/2008	7:31 PM	89.7	89.7	89.7	49	68	0	SE	1	SE	29.744
7/8/2008	7:32 PM	89.7	89.7	89.7	49	68	0	SE	1	SE	29.745
7/8/2008	7:33 PM	89.6	89.7	89.6	49	67.9	1	SE	2	W	29.745
7/8/2008	7:34 PM	89.6	89.6	89.6	49	67.9	1	NE	2	ESE	29.746
7/8/2008	7:35 PM	89.5	89.5	89.5	49	67.8	1	SSW	5	SSW	29.75
7/8/2008	7:36 PM	89.4	89.5	89.4	49	67.7	1	S	3	S	29.747
7/8/2008	7:37 PM	89.3	89.4	89.3	49	67.6	1	ESE	3	ESE	29.749
7/8/2008	7:38 PM	89.3	89.3	89.3	49	67.6	0	ESE	1	ESE	29.749
7/8/2008	7:39 PM	89.3	89.3	89.3	49	67.6	0	---	0	---	29.749
7/8/2008	7:40 PM	89.2	89.3	89.2	49	67.5	0	W	1	ENE	29.748
7/8/2008	7:41 PM	89.2	89.2	89.2	49	67.5	1	S	3	SE	29.75
7/8/2008	7:42 PM	89.1	89.1	89.1	49	67.5	1	SW	3	SW	29.75
7/8/2008	7:43 PM	89	89.1	89	49	67.4	0	NNE	2	NNW	29.751
7/8/2008	7:44 PM	89	89	89	49	67.4	0	---	0	---	29.751
7/8/2008	7:45 PM	88.9	89	88.9	49	67.3	0	---	0	---	29.75
7/8/2008	7:46 PM	88.9	88.9	88.9	50	67.9	0	S	1	S	29.75
7/8/2008	7:47 PM	88.8	88.9	88.8	50	67.8	0	---	0	---	29.747

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	7:48 PM	88.8	88.8	88.8	51	68.3	0	---	0	---	29.748
7/8/2008	7:49 PM	88.7	88.8	88.7	51	68.2	0	---	0	---	29.749
7/8/2008	7:50 PM	88.7	88.8	88.7	50	67.7	1	SE	3	ESE	29.749
7/8/2008	7:51 PM	88.7	88.7	88.7	50	67.7	0	SE	2	SE	29.747
7/8/2008	7:52 PM	88.6	88.7	88.6	51	68.2	0	---	0	---	29.747
7/8/2008	7:53 PM	88.5	88.6	88.5	51	68.1	0	ESE	1	SE	29.749
7/8/2008	7:54 PM	88.5	88.5	88.5	50	67.5	1	E	2	E	29.748
7/8/2008	7:55 PM	88.4	88.5	88.4	50	67.4	0	ENE	2	ENE	29.748
7/8/2008	7:56 PM	88.3	88.4	88.3	51	67.9	0	SE	1	SE	29.749
7/8/2008	7:57 PM	88.2	88.3	88.2	51	67.8	0	SE	1	SE	29.751
7/8/2008	7:58 PM	88.2	88.3	88.2	51	67.8	0	---	0	---	29.751
7/8/2008	7:59 PM	88.1	88.2	88.1	51	67.7	0	---	0	---	29.752
7/8/2008	8:00 PM	88	88.1	88	51	67.6	0	---	0	---	29.751
7/8/2008	8:01 PM	87.9	88	87.9	52	68.1	0	---	0	---	29.751
7/8/2008	8:02 PM	87.9	87.9	87.9	52	68.1	1	ESE	2	ESE	29.748
7/8/2008	8:03 PM	87.8	87.8	87.8	52	68	0	---	0	---	29.748
7/8/2008	8:04 PM	87.7	87.7	87.7	52	67.9	0	---	0	---	29.748
7/8/2008	8:05 PM	87.6	87.7	87.6	52	67.8	0	ESE	1	ESE	29.751
7/8/2008	8:06 PM	87.5	87.6	87.5	52	67.7	0	E	1	E	29.749
7/8/2008	8:07 PM	87.4	87.5	87.4	52	67.6	0	---	0	---	29.75
7/8/2008	8:08 PM	87.4	87.4	87.4	53	68.2	0	---	0	---	29.753
7/8/2008	8:09 PM	87.3	87.3	87.3	53	68.1	0	---	0	---	29.752
7/8/2008	8:10 PM	87.2	87.3	87.2	53	68	0	ESE	1	ESE	29.749
7/8/2008	8:11 PM	87.1	87.2	87.1	53	67.9	0	---	0	---	29.749
7/8/2008	8:12 PM	87	87.1	87	53	67.8	0	---	0	---	29.75
7/8/2008	8:13 PM	87	87	87	53	67.8	0	---	0	---	29.752
7/8/2008	8:14 PM	86.9	86.9	86.9	53	67.7	0	---	0	---	29.749
7/8/2008	8:15 PM	86.8	86.9	86.8	53	67.6	0	---	0	---	29.753
7/8/2008	8:16 PM	86.8	86.8	86.8	53	67.6	1	E	2	E	29.749
7/8/2008	8:17 PM	86.7	86.8	86.7	53	67.5	0	---	0	---	29.752
7/8/2008	8:18 PM	86.6	86.7	86.6	54	68	0	---	0	---	29.754
7/8/2008	8:19 PM	86.6	86.6	86.6	54	68	0	---	0	---	29.752
7/8/2008	8:20 PM	86.6	86.6	86.6	54	68	0	---	0	---	29.752
7/8/2008	8:21 PM	86.5	86.5	86.5	54	67.9	0	---	0	---	29.752
7/8/2008	8:22 PM	86.5	86.5	86.5	54	67.9	0	---	0	---	29.752
7/8/2008	8:23 PM	86.4	86.4	86.4	55	68.3	0	---	0	---	29.752
7/8/2008	8:24 PM	86.4	86.4	86.4	55	68.3	0	---	0	---	29.755
7/8/2008	8:25 PM	86.3	86.4	86.3	55	68.2	0	---	0	---	29.755
7/8/2008	8:26 PM	86.3	86.3	86.3	56	68.8	0	---	0	---	29.755
7/8/2008	8:27 PM	86.2	86.3	86.2	56	68.7	0	---	0	---	29.756
7/8/2008	8:28 PM	86.1	86.2	86.1	56	68.6	0	---	0	---	29.754
7/8/2008	8:29 PM	86	86.1	86	56	68.5	0	---	0	---	29.755
7/8/2008	8:30 PM	86	86	86	56	68.5	0	---	0	---	29.751
7/8/2008	8:31 PM	85.9	85.9	85.9	56	68.4	0	ESE	2	ESE	29.752
7/8/2008	8:32 PM	85.8	85.9	85.8	55	67.8	0	ESE	2	ESE	29.749
7/8/2008	8:33 PM	85.7	85.8	85.7	55	67.7	0	ESE	1	ESE	29.753
7/8/2008	8:34 PM	85.7	85.7	85.7	55	67.7	0	ESE	1	ESE	29.752
7/8/2008	8:35 PM	85.6	85.7	85.6	56	68.1	0	---	0	---	29.753

Table 2A

**Meteorological Conditions - Police Station  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	8:36 PM	85.5	85.6	85.5	56	68	0	---	0	---	29.751
7/8/2008	8:37 PM	85.5	85.5	85.5	56	68	1	ESE	3	ENE	29.751
7/8/2008	8:38 PM	85.4	85.5	85.4	55	67.4	1	E	4	ESE	29.75
7/8/2008	8:39 PM	85.3	85.4	85.3	56	67.8	0	ESE	2	SE	29.751
7/8/2008	8:40 PM	85.2	85.3	85.2	56	67.7	1	ESE	3	ESE	29.751
7/8/2008	8:41 PM	85.2	85.2	85.2	56	67.7	0	---	0	---	29.748
7/8/2008	8:42 PM	85.1	85.2	85.1	56	67.6	0	SSE	1	SSE	29.752
7/8/2008	8:43 PM	85	85.1	85	56	67.5	0	---	0	---	29.751
7/8/2008	8:44 PM	85	85	85	56	67.5	1	SE	3	SE	29.751
7/8/2008	8:45 PM	84.9	84.9	84.9	56	67.5	1	SE	3	E	29.751
7/8/2008	8:46 PM	84.8	84.9	84.8	56	67.4	1	E	3	E	29.75
7/8/2008	8:47 PM	84.8	84.8	84.8	57	67.9	0	---	0	---	29.748
7/8/2008	8:48 PM	84.8	84.8	84.8	57	67.9	0	E	1	E	29.75
7/8/2008	8:49 PM	84.7	84.7	84.7	57	67.8	1	SE	3	NNE	29.749
7/8/2008	8:50 PM	84.6	84.7	84.6	57	67.7	2	ESE	3	SE	29.749
7/8/2008	8:51 PM	84.6	84.6	84.6	57	67.7	0	ESE	1	ESE	29.749
7/8/2008	8:52 PM	84.5	84.6	84.5	57	67.6	0	---	0	---	29.748
7/8/2008	8:53 PM	84.5	84.5	84.5	57	67.6	0	S	1	S	29.749
7/8/2008	8:54 PM	84.5	84.5	84.5	57	67.6	0	---	0	---	29.751
7/8/2008	8:55 PM	84.4	84.5	84.4	57	67.5	0	---	0	---	29.753
7/8/2008	8:56 PM	84.4	84.4	84.4	57	67.5	0	---	0	---	29.754
7/8/2008	8:57 PM	84.4	84.4	84.4	57	67.5	0	---	0	---	29.755
7/8/2008	8:58 PM	84.4	84.4	84.4	57	67.5	0	---	0	---	29.755
7/8/2008	8:59 PM	84.3	84.4	84.3	57	67.4	0	---	0	---	29.755
7/8/2008	9:00 PM	84.3	84.3	84.3	58	67.9	0	---	0	---	29.754
7/8/2008	9:01 PM	84.3	84.3	84.3	58	67.9	0	---	0	---	29.753
7/8/2008	9:02 PM	84.2	84.3	84.2	58	67.8	0	---	0	---	29.754
7/8/2008	9:03 PM	84.2	84.2	84.2	58	67.8	0	---	0	---	29.755
7/8/2008	9:04 PM	84.1	84.2	84.1	58	67.7	0	---	0	---	29.754
7/8/2008	9:05 PM	84.1	84.1	84.1	58	67.7	0	---	0	---	29.755
7/8/2008	9:06 PM	84.1	84.1	84.1	58	67.7	0	---	0	---	29.754
7/8/2008	9:07 PM	84.1	84.1	84	58	67.7	0	---	0	---	29.753
7/8/2008	9:08 PM	84	84.1	84	60	68.6	0	---	0	---	29.754
7/8/2008	9:09 PM	84	84	84	61	69.1	0	---	0	---	29.753
7/8/2008	9:10 PM	83.9	84	83.9	61	69	0	---	0	---	29.754
7/8/2008	9:11 PM	83.8	83.9	83.8	61	68.9	0	---	0	---	29.753
7/8/2008	9:12 PM	83.8	83.8	83.8	61	68.9	0	---	0	---	29.754
7/8/2008	9:13 PM	83.7	83.8	83.7	62	69.3	0	---	0	---	29.753
7/8/2008	9:14 PM	83.7	83.7	83.7	62	69.3	0	---	0	---	29.755
7/8/2008	9:15 PM	83.6	83.6	83.6	61	68.7	0	---	0	---	29.754
7/8/2008	9:16 PM	83.4	83.5	83.4	61	68.5	0	---	0	---	29.755
7/8/2008	9:17 PM	83.4	83.4	83.4	62	69	0	---	0	---	29.754
7/8/2008	9:18 PM	83.3	83.4	83.3	62	68.9	0	---	0	---	29.754
7/8/2008	9:19 PM	83.2	83.3	83.2	61	68.3	0	---	0	---	29.752
7/8/2008	9:20 PM	83.2	83.2	83.2	61	68.3	0	---	0	---	29.752
7/8/2008	9:21 PM	83.1	83.2	83.1	63	69.2	0	---	0	---	29.754
7/8/2008	9:22 PM	83	83.1	83	64	69.6	0	---	0	---	29.754
7/8/2008	9:23 PM	82.9	83	82.9	63	69	0	---	0	---	29.756

Table 2A

Meteorological Conditions - Police Station  
 July 2008  
 Emerson Power Transmission  
 Ithaca, New York

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	9:24 PM	82.9	82.9	82.9	63	69	0	---	0	---	29.755
7/8/2008	9:25 PM	82.7	82.8	82.7	63	68.8	0	---	0	---	29.753
7/8/2008	9:26 PM	82.7	82.7	82.7	64	69.3	0	---	0	---	29.753
7/8/2008	9:27 PM	82.6	82.6	82.6	64	69.2	0	---	0	---	29.756
7/8/2008	9:28 PM	82.5	82.6	82.5	64	69.1	0	---	0	---	29.755
7/8/2008	9:29 PM	82.4	82.5	82.4	64	69	0	---	0	---	29.753
7/8/2008	9:30 PM	82.4	82.4	82.4	64	69	0	---	0	---	29.753
7/8/2008	9:31 PM	82.3	82.4	82.3	64	68.9	0	---	0	---	29.753
7/8/2008	9:32 PM	82.3	82.3	82.3	64	68.9	0	---	0	---	29.753
7/8/2008	9:33 PM	82.2	82.2	82.2	64	68.8	0	---	0	---	29.758
7/8/2008	9:34 PM	82.2	82.2	82.2	64	68.8	0	---	0	---	29.757
7/8/2008	9:35 PM	82.1	82.2	82.1	65	69.2	0	---	0	---	29.756
7/8/2008	9:36 PM	82.1	82.1	82.1	65	69.2	0	---	0	---	29.757
7/8/2008	9:37 PM	82.1	82.1	82	64	68.7	0	---	0	---	29.755
7/8/2008	9:38 PM	82	82	82	65	69.1	0	---	0	---	29.756
7/8/2008	9:39 PM	82	82	82	65	69.1	0	---	0	---	29.755
7/8/2008	9:40 PM	82	82	82	65	69.1	0	---	0	---	29.756
7/8/2008	9:41 PM	81.9	82	81.9	65	69	0	---	0	---	29.755
7/8/2008	9:42 PM	81.9	81.9	81.9	65	69	0	---	0	---	29.76
7/8/2008	9:43 PM	81.9	81.9	81.9	65	69	0	---	0	---	29.759
7/8/2008	9:44 PM	81.8	81.9	81.8	65	68.9	0	---	0	---	29.759
7/8/2008	9:45 PM	81.8	81.8	81.8	65	68.9	0	---	0	---	29.761
7/8/2008	9:46 PM	81.8	81.8	81.8	65	68.9	0	---	0	---	29.762
7/8/2008	9:47 PM	81.7	81.8	81.7	66	69.2	0	---	0	---	29.763
7/8/2008	9:48 PM	81.7	81.7	81.7	66	69.2	0	---	0	---	29.765
7/8/2008	9:49 PM	81.6	81.7	81.6	66	69.1	0	---	0	---	29.763
7/8/2008	9:50 PM	81.6	81.6	81.6	66	69.1	0	---	0	---	29.762
7/8/2008	9:51 PM	81.5	81.6	81.5	66	69	0	---	0	---	29.762
7/8/2008	9:52 PM	81.5	81.5	81.5	66	69	0	---	0	---	29.761
7/8/2008	9:53 PM	81.4	81.5	81.4	66	68.9	0	---	0	---	29.762
7/8/2008	9:54 PM	81.4	81.4	81.4	66	68.9	0	---	0	---	29.763
7/8/2008	9:55 PM	81.4	81.4	81.4	66	68.9	0	---	0	---	29.763
7/8/2008	9:56 PM	81.3	81.3	81.3	67	69.3	0	---	0	---	29.762
7/8/2008	9:57 PM	81.2	81.3	81.2	67	69.2	0	---	0	---	29.762
7/8/2008	9:58 PM	81.2	81.2	81.2	67	69.2	0	---	0	---	29.761
7/8/2008	9:59 PM	81.1	81.2	81.1	67	69.1	0	---	0	---	29.761
7/8/2008	10:00 PM	81.1	81.1	81.1	67	69.1	0	---	0	---	29.76



Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	11:00 AM	81.8	81.8	81.7	66	69.3	1	S	3	SSE	29.901
7/8/2008	11:01 AM	81.8	81.8	81.7	64	68.4	1	SE	3	S	29.901
7/8/2008	11:02 AM	81.9	81.9	81.8	63	68.1	1	SSE	2	SSE	29.898
7/8/2008	11:03 AM	82	82	81.9	64	68.6	0	W	2	W	29.898
7/8/2008	11:04 AM	82.1	82.1	82	64	68.7	3	WSW	4	WSW	29.899
7/8/2008	11:05 AM	82.1	82.1	82.1	64	68.7	2	WNW	4	W	29.899
7/8/2008	11:06 AM	82.1	82.1	82.1	65	69.2	1	W	3	WSW	29.899
7/8/2008	11:07 AM	82.2	82.2	82.1	64	68.8	2	S	4	SSW	29.899
7/8/2008	11:08 AM	82.2	82.2	82.2	62	67.9	4	SW	7	WSW	29.9
7/8/2008	11:09 AM	82.2	82.2	82.2	62	67.9	4	SW	7	SW	29.898
7/8/2008	11:10 AM	82.1	82.2	82.1	62	67.8	6	SW	11	SW	29.898
7/8/2008	11:11 AM	82.1	82.1	82.1	62	67.8	5	SW	6	SSW	29.897
7/8/2008	11:12 AM	82	82.1	82	62	67.7	3	SW	6	SW	29.896
7/8/2008	11:13 AM	82	82	82	62	67.7	2	SW	5	SW	29.897
7/8/2008	11:14 AM	82	82	81.9	63	68.2	2	WNW	3	WNW	29.897
7/8/2008	11:15 AM	82	82	81.9	63	68.2	2	SW	5	SW	29.897
7/8/2008	11:16 AM	82	82	82	63	68.2	1	S	3	S	29.894
7/8/2008	11:17 AM	82.1	82.1	82	62	67.8	3	ESE	6	ESE	29.892
7/8/2008	11:18 AM	82.2	82.2	82.1	62	67.9	4	S	6	S	29.893
7/8/2008	11:19 AM	82.2	82.2	82.2	62	67.9	3	SSE	6	SSE	29.892
7/8/2008	11:20 AM	82.3	82.3	82.2	63	68.4	5	SSE	6	SSW	29.894
7/8/2008	11:21 AM	82.3	82.3	82.3	62	68	3	SSE	5	SSE	29.894
7/8/2008	11:22 AM	82.5	82.5	82.4	62	68.2	1	S	3	S	29.895
7/8/2008	11:23 AM	82.6	82.6	82.5	62	68.3	2	SW	3	SW	29.898
7/8/2008	11:24 AM	82.7	82.7	82.6	62	68.4	0	SW	1	SW	29.897
7/8/2008	11:25 AM	82.8	82.8	82.7	63	68.9	0	---	0	---	29.896
7/8/2008	11:26 AM	82.9	82.9	82.8	62	68.5	0	---	0	---	29.897
7/8/2008	11:27 AM	83	83	82.9	62	68.6	2	WSW	4	W	29.895
7/8/2008	11:28 AM	83	83	83	62	68.6	3	W	7	WSW	29.896
7/8/2008	11:29 AM	83.1	83.1	83	62	68.7	3	SSE	4	SW	29.896
7/8/2008	11:30 AM	83.1	83.1	83.1	62	68.7	0	SSE	1	SSE	29.895
7/8/2008	11:31 AM	83.2	83.2	83.1	62	68.8	0	WSW	1	WSW	29.895
7/8/2008	11:32 AM	83.4	83.4	83.2	62	69	0	WSW	1	WSW	29.896
7/8/2008	11:33 AM	83.5	83.5	83.4	63	69.6	1	W	3	SW	29.895
7/8/2008	11:34 AM	83.7	83.7	83.5	62	69.3	1	SW	3	WSW	29.895
7/8/2008	11:35 AM	83.8	83.8	83.7	62	69.4	2	SW	4	SW	29.897
7/8/2008	11:36 AM	83.9	83.9	83.8	61	69	2	SW	3	SW	29.895
7/8/2008	11:37 AM	84	84	83.9	59	68.1	2	SSW	4	SSW	29.895
7/8/2008	11:38 AM	84	84	84	58	67.6	4	SSW	5	SW	29.895
7/8/2008	11:39 AM	84	84	84	58	67.6	3	S	4	S	29.895
7/8/2008	11:40 AM	84	84	84	58	67.6	3	WSW	5	WSW	29.892
7/8/2008	11:41 AM	84	84	84	58	67.6	2	SW	4	WSW	29.894
7/8/2008	11:42 AM	84.1	84.1	84	58	67.7	0	NW	1	NW	29.897
7/8/2008	11:43 AM	84.3	84.3	84.1	59	68.4	2	SW	6	SW	29.899
7/8/2008	11:44 AM	84.4	84.4	84.4	57	67.5	4	W	7	W	29.895
7/8/2008	11:45 AM	84.6	84.6	84.5	57	67.7	4	SW	7	W	29.893

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	11:46 AM	84.7	84.7	84.6	55	66.7	5	SSW	8	SW	29.895
7/8/2008	11:47 AM	84.7	84.7	84.7	55	66.7	6	SW	8	SSW	29.896
7/8/2008	11:48 AM	84.6	84.7	84.6	56	67.2	6	SW	9	SW	29.892
7/8/2008	11:49 AM	84.6	84.6	84.5	56	67.2	4	S	6	SSW	29.894
7/8/2008	11:50 AM	84.6	84.6	84.6	55	66.7	1	SSE	2	SSE	29.891
7/8/2008	11:51 AM	84.6	84.6	84.6	55	66.7	2	S	3	S	29.891
7/8/2008	11:52 AM	84.7	84.7	84.6	55	66.7	4	SW	7	SSW	29.892
7/8/2008	11:53 AM	84.8	84.8	84.7	54	66.3	9	SW	15	SSW	29.891
7/8/2008	11:54 AM	84.8	84.8	84.8	53	65.8	7	SSE	9	S	29.893
7/8/2008	11:55 AM	84.9	84.9	84.8	53	65.9	4	SSW	9	SSW	29.889
7/8/2008	11:56 AM	85.1	85.1	85	53	66	6	SSW	10	SSW	29.888
7/8/2008	11:57 AM	85.1	85.1	85.1	54	66.6	8	W	14	W	29.891
7/8/2008	11:58 AM	85.2	85.2	85.1	52	65.6	5	SW	10	WSW	29.888
7/8/2008	11:59 AM	85.2	85.2	85.1	52	65.6	6	S	12	W	29.885
7/8/2008	12:00 PM	85.2	85.2	85.2	52	65.6	8	SSW	13	SW	29.885
7/8/2008	12:01 PM	85.2	85.2	85.2	52	65.6	6	SSW	15	SW	29.887
7/8/2008	12:02 PM	85.2	85.2	85.2	52	65.6	8	WSW	13	SW	29.883
7/8/2008	12:03 PM	85.2	85.2	85.1	52	65.6	5	SW	9	SW	29.884
7/8/2008	12:04 PM	85.1	85.1	85.1	51	64.9	7	SW	11	SW	29.884
7/8/2008	12:05 PM	85.2	85.2	85.1	52	65.6	2	SSW	3	SSW	29.884
7/8/2008	12:06 PM	85.3	85.3	85.2	52	65.7	5	SW	7	WSW	29.885
7/8/2008	12:07 PM	85.4	85.4	85.3	52	65.8	2	SW	6	W	29.883
7/8/2008	12:08 PM	85.5	85.5	85.4	52	65.9	6	SW	12	SW	29.885
7/8/2008	12:09 PM	85.5	85.5	85.5	51	65.3	5	S	9	SSW	29.884
7/8/2008	12:10 PM	85.5	85.5	85.5	51	65.3	4	SSW	7	SSW	29.883
7/8/2008	12:11 PM	85.6	85.6	85.5	52	66	4	W	12	W	29.883
7/8/2008	12:12 PM	85.6	85.6	85.6	53	66.5	4	WSW	12	W	29.882
7/8/2008	12:13 PM	85.8	85.8	85.7	51	65.6	4	WSW	6	SW	29.885
7/8/2008	12:14 PM	85.9	85.9	85.8	51	65.7	4	SSW	6	S	29.884
7/8/2008	12:15 PM	86	86	85.9	51	65.8	4	SSW	10	WSW	29.883
7/8/2008	12:16 PM	86.1	86.1	86	51	65.9	2	WNW	5	WNW	29.882
7/8/2008	12:17 PM	86.2	86.2	86.1	52	66.5	3	SW	7	WSW	29.883
7/8/2008	12:18 PM	86.3	86.3	86.2	52	66.6	5	SSW	9	SSW	29.881
7/8/2008	12:19 PM	86.4	86.4	86.3	51	66.1	5	W	7	SSW	29.88
7/8/2008	12:20 PM	86.4	86.4	86.3	50	65.6	4	WSW	13	SW	29.881
7/8/2008	12:21 PM	86.3	86.3	86.3	50	65.5	4	SW	8	SW	29.88
7/8/2008	12:22 PM	86.2	86.3	86.2	50	65.4	4	SSW	6	WSW	29.879
7/8/2008	12:23 PM	86.1	86.2	86.1	50	65.3	5	S	9	S	29.881
7/8/2008	12:24 PM	86.1	86.2	86.1	51	65.9	5	SSW	7	SSW	29.881
7/8/2008	12:25 PM	86.1	86.1	86.1	52	66.4	7	SSW	10	SW	29.882
7/8/2008	12:26 PM	86.1	86.1	86.1	51	65.9	7	SSW	11	SW	29.882
7/8/2008	12:27 PM	86.1	86.1	86.1	50	65.3	7	SW	10	SW	29.883
7/8/2008	12:28 PM	86.1	86.1	86	49	64.7	8	WSW	11	WSW	29.881
7/8/2008	12:29 PM	86	86	86	49	64.6	7	SW	11	SW	29.882
7/8/2008	12:30 PM	86	86	86	49	64.6	5	WSW	10	SW	29.881
7/8/2008	12:31 PM	86	86	86	49	64.6	5	SSW	10	SSW	29.88

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	12:32 PM	86	86	86	49	64.6	5	WSW	10	SW	29.879
7/8/2008	12:33 PM	86	86	86	50	65.2	4	S	7	SSW	29.879
7/8/2008	12:34 PM	86.1	86.1	86	50	65.3	2	SSW	4	SW	29.878
7/8/2008	12:35 PM	86.2	86.2	86.1	50	65.4	8	W	12	WSW	29.881
7/8/2008	12:36 PM	86.3	86.3	86.2	49	64.9	10	WSW	12	SW	29.875
7/8/2008	12:37 PM	86.3	86.3	86.3	49	64.9	5	SW	10	SSW	29.875
7/8/2008	12:38 PM	86.4	86.4	86.3	49	65	4	WSW	7	NW	29.878
7/8/2008	12:39 PM	86.5	86.5	86.4	49	65.1	6	WNW	10	WSW	29.874
7/8/2008	12:40 PM	86.6	86.6	86.5	49	65.2	9	WSW	14	WSW	29.871
7/8/2008	12:41 PM	86.5	86.6	86.5	49	65.1	6	WSW	10	WSW	29.872
7/8/2008	12:42 PM	86.5	86.5	86.5	50	65.7	6	W	11	W	29.873
7/8/2008	12:43 PM	86.7	86.7	86.6	50	65.8	9	WSW	14	WSW	29.872
7/8/2008	12:44 PM	86.7	86.7	86.7	50	65.8	6	SSW	10	SSE	29.873
7/8/2008	12:45 PM	86.8	86.8	86.8	50	65.9	11	SW	16	SW	29.872
7/8/2008	12:46 PM	86.7	86.8	86.7	50	65.8	7	WSW	11	SSW	29.871
7/8/2008	12:47 PM	86.7	86.7	86.7	50	65.8	6	W	10	WSW	29.869
7/8/2008	12:48 PM	86.6	86.7	86.6	50	65.7	7	WSW	10	WSW	29.869
7/8/2008	12:49 PM	86.6	86.6	86.6	50	65.7	6	SW	11	SSW	29.868
7/8/2008	12:50 PM	86.6	86.7	86.6	51	66.3	5	WSW	10	WSW	29.869
7/8/2008	12:51 PM	86.6	86.7	86.6	51	66.3	4	W	10	W	29.869
7/8/2008	12:52 PM	86.7	86.7	86.7	51	66.4	7	W	14	W	29.865
7/8/2008	12:53 PM	86.8	86.8	86.7	52	67.1	7	WSW	11	SW	29.867
7/8/2008	12:54 PM	86.8	86.8	86.8	52	67.1	4	SW	6	SW	29.867
7/8/2008	12:55 PM	86.9	86.9	86.8	52	67.2	2	SSW	4	S	29.869
7/8/2008	12:56 PM	87.1	87.1	86.9	51	66.8	5	SW	7	SW	29.868
7/8/2008	12:57 PM	87.2	87.2	87.1	51	66.9	4	SSW	7	SSW	29.867
7/8/2008	12:58 PM	87.3	87.3	87.2	50	66.4	5	SW	10	WSW	29.867
7/8/2008	12:59 PM	87.4	87.4	87.3	50	66.5	4	SW	9	SSW	29.867
7/8/2008	1:00 PM	87.5	87.5	87.4	50	66.6	4	WSW	6	WSW	29.867
7/8/2008	1:01 PM	87.4	87.5	87.4	50	66.5	5	SW	9	SW	29.865
7/8/2008	1:02 PM	87.4	87.4	87.4	50	66.5	4	WSW	5	WSW	29.863
7/8/2008	1:03 PM	87.4	87.4	87.4	51	67.1	4	WSW	11	WSW	29.864
7/8/2008	1:04 PM	87.4	87.5	87.4	50	66.5	8	SW	11	SSW	29.864
7/8/2008	1:05 PM	87.3	87.4	87.3	50	66.4	7	SW	11	SW	29.863
7/8/2008	1:06 PM	87.2	87.3	87.2	50	66.3	11	SW	16	SW	29.863
7/8/2008	1:07 PM	87	87.2	87	51	66.7	5	SW	9	SW	29.864
7/8/2008	1:08 PM	86.9	87	86.9	52	67.2	4	SW	7	WSW	29.863
7/8/2008	1:09 PM	86.9	86.9	86.9	52	67.2	6	W	11	W	29.862
7/8/2008	1:10 PM	87	87	86.9	51	66.7	7	SW	14	SW	29.865
7/8/2008	1:11 PM	87.1	87.1	87	50	66.2	10	WSW	13	SW	29.862
7/8/2008	1:12 PM	87.1	87.1	87.1	49	65.6	7	SW	17	SW	29.865
7/8/2008	1:13 PM	87.2	87.2	87.1	48	65.1	6	SW	12	SSW	29.865
7/8/2008	1:14 PM	87.3	87.3	87.2	49	65.8	5	SSW	10	SW	29.865
7/8/2008	1:15 PM	87.4	87.4	87.3	48	65.3	3	SSW	6	SW	29.863
7/8/2008	1:16 PM	87.5	87.5	87.4	49	66	3	WSW	6	SSW	29.862
7/8/2008	1:17 PM	87.6	87.6	87.5	49	66.1	6	SW	14	SSE	29.863

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	1:18 PM	87.7	87.7	87.7	48	65.6	14	SW	19	S	29.865
7/8/2008	1:19 PM	87.7	87.7	87.7	47	65	6	S	10	S	29.863
7/8/2008	1:20 PM	87.7	87.7	87.7	47	65	6	SW	10	SSW	29.863
7/8/2008	1:21 PM	87.7	87.7	87.7	47	65	5	SW	10	SW	29.861
7/8/2008	1:22 PM	87.7	87.7	87.7	47	65	8	SSW	14	SW	29.861
7/8/2008	1:23 PM	87.7	87.7	87.7	47	65	11	SW	16	SW	29.859
7/8/2008	1:24 PM	87.6	87.7	87.6	47	64.9	10	SW	13	SW	29.858
7/8/2008	1:25 PM	87.6	87.6	87.6	47	64.9	7	SW	11	WSW	29.851
7/8/2008	1:26 PM	87.6	87.6	87.6	47	64.9	5	SW	9	SW	29.857
7/8/2008	1:27 PM	87.7	87.7	87.6	47	65	3	W	9	W	29.857
7/8/2008	1:28 PM	87.9	87.9	87.7	47	65.2	8	WSW	14	SW	29.862
7/8/2008	1:29 PM	88	88	87.9	46	64.6	5	S	10	WNW	29.853
7/8/2008	1:30 PM	88.2	88.2	88	46	64.8	6	SW	10	W	29.856
7/8/2008	1:31 PM	88.3	88.3	88.2	46	64.9	10	SSW	12	SW	29.858
7/8/2008	1:32 PM	88.3	88.3	88.3	46	64.9	6	SSW	9	SSW	29.857
7/8/2008	1:33 PM	88.3	88.3	88.3	46	64.9	4	W	7	WSW	29.856
7/8/2008	1:34 PM	88.4	88.4	88.3	46	65	10	W	14	W	29.856
7/8/2008	1:35 PM	88.3	88.4	88.3	44	63.6	10	WSW	19	W	29.853
7/8/2008	1:36 PM	88.3	88.3	88.3	44	63.6	10	WSW	18	SW	29.855
7/8/2008	1:37 PM	88.3	88.3	88.3	45	64.3	8	WSW	18	WSW	29.857
7/8/2008	1:38 PM	88.1	88.2	88.1	44	63.4	14	W	18	WNW	29.854
7/8/2008	1:39 PM	88	88.1	88	44	63.4	8	SW	13	W	29.857
7/8/2008	1:40 PM	87.9	87.9	87.9	45	63.9	6	SW	13	W	29.856
7/8/2008	1:41 PM	87.9	87.9	87.9	44	63.3	16	W	21	WNW	29.85
7/8/2008	1:42 PM	87.8	87.9	87.8	44	63.2	11	WSW	19	SW	29.847
7/8/2008	1:43 PM	87.8	87.8	87.8	45	63.8	9	SW	14	SW	29.853
7/8/2008	1:44 PM	87.8	87.8	87.7	45	63.8	8	WSW	13	WSW	29.857
7/8/2008	1:45 PM	87.7	87.8	87.7	45	63.7	12	SW	16	SSW	29.857
7/8/2008	1:46 PM	87.7	87.7	87.7	46	64.4	9	SW	13	W	29.855
7/8/2008	1:47 PM	87.6	87.7	87.6	45	63.6	10	WSW	16	WSW	29.854
7/8/2008	1:48 PM	87.6	87.6	87.6	45	63.6	10	SW	16	SW	29.853
7/8/2008	1:49 PM	87.6	87.6	87.6	46	64.3	10	SW	17	SW	29.852
7/8/2008	1:50 PM	87.6	87.6	87.6	45	63.6	11	SW	14	SSW	29.856
7/8/2008	1:51 PM	87.5	87.5	87.5	45	63.5	12	SSW	18	SSW	29.851
7/8/2008	1:52 PM	87.4	87.5	87.4	45	63.5	12	SW	14	SSW	29.853
7/8/2008	1:53 PM	87.4	87.4	87.4	45	63.5	10	SW	14	SW	29.849
7/8/2008	1:54 PM	87.3	87.4	87.3	44	62.7	10	SW	15	SW	29.852
7/8/2008	1:55 PM	87.4	87.4	87.3	45	63.5	6	W	11	W	29.856
7/8/2008	1:56 PM	87.5	87.5	87.4	45	63.5	9	WSW	13	WSW	29.852
7/8/2008	1:57 PM	87.6	87.6	87.5	46	64.3	4	WSW	10	WSW	29.847
7/8/2008	1:58 PM	87.7	87.7	87.6	45	63.7	9	WSW	12	W	29.851
7/8/2008	1:59 PM	87.7	87.7	87.7	46	64.4	7	SW	12	W	29.844
7/8/2008	2:00 PM	87.7	87.7	87.7	46	64.4	4	WSW	9	W	29.847
7/8/2008	2:01 PM	87.9	87.9	87.8	47	65.2	8	SW	18	W	29.85
7/8/2008	2:02 PM	88	88	87.9	47	65.2	8	SW	11	NW	29.846
7/8/2008	2:03 PM	88.1	88.1	88	46	64.7	5	SW	11	SW	29.849

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	2:04 PM	88.2	88.2	88.1	47	65.4	4	SW	12	SW	29.85
7/8/2008	2:05 PM	88.3	88.3	88.2	46	64.9	8	SW	14	WSW	29.849
7/8/2008	2:06 PM	88.3	88.3	88.3	46	64.9	14	W	20	W	29.844
7/8/2008	2:07 PM	88.1	88.2	88.1	45	64.1	10	SW	13	WSW	29.846
7/8/2008	2:08 PM	88.1	88.1	88.1	45	64.1	8	SW	12	SSW	29.851
7/8/2008	2:09 PM	88.1	88.1	88.1	46	64.7	9	W	11	WSW	29.85
7/8/2008	2:10 PM	88.1	88.1	88.1	46	64.7	8	SW	12	SW	29.847
7/8/2008	2:11 PM	88.1	88.1	88.1	45	64.1	10	SW	18	WSW	29.852
7/8/2008	2:12 PM	88.2	88.2	88.1	45	64.2	8	SW	16	SSW	29.846
7/8/2008	2:13 PM	88.2	88.2	88.2	44	63.5	8	WSW	15	SSW	29.847
7/8/2008	2:14 PM	88.2	88.2	88.2	44	63.5	5	SW	9	SSW	29.845
7/8/2008	2:15 PM	88.3	88.3	88.2	45	64.3	4	SSW	7	SSW	29.844
7/8/2008	2:16 PM	88.4	88.4	88.3	45	64.4	4	WSW	10	WSW	29.849
7/8/2008	2:17 PM	88.7	88.7	88.5	45	64.6	5	SSW	8	SSW	29.848
7/8/2008	2:18 PM	88.8	88.8	88.7	44	64.1	8	SW	15	SW	29.848
7/8/2008	2:19 PM	88.9	88.9	88.8	44	64.2	6	SSW	11	SSW	29.844
7/8/2008	2:20 PM	89	89	89	44	64.3	8	SSW	17	SW	29.844
7/8/2008	2:21 PM	89	89	89	42	62.9	13	SW	20	WSW	29.843
7/8/2008	2:22 PM	88.9	89	88.9	42	62.8	8	WSW	12	WSW	29.843
7/8/2008	2:23 PM	88.8	88.8	88.8	42	62.7	9	WSW	19	WSW	29.844
7/8/2008	2:24 PM	88.7	88.8	88.7	42	62.7	8	WSW	13	WSW	29.844
7/8/2008	2:25 PM	88.7	88.7	88.7	42	62.7	4	SW	8	W	29.846
7/8/2008	2:26 PM	88.7	88.7	88.7	43	63.3	4	SW	13	SW	29.846
7/8/2008	2:27 PM	88.8	88.8	88.7	43	63.4	10	WSW	14	W	29.843
7/8/2008	2:28 PM	88.8	88.8	88.8	43	63.4	6	WSW	13	WSW	29.839
7/8/2008	2:29 PM	88.9	88.9	88.8	43	63.5	8	SSW	13	SSW	29.846
7/8/2008	2:30 PM	88.9	88.9	88.9	43	63.5	9	SW	14	SW	29.839
7/8/2008	2:31 PM	88.8	88.9	88.8	42	62.7	6	W	10	W	29.84
7/8/2008	2:32 PM	88.7	88.8	88.7	43	63.3	5	WSW	9	W	29.84
7/8/2008	2:33 PM	88.8	88.8	88.7	44	64.1	4	W	7	WSW	29.838
7/8/2008	2:34 PM	89	89	88.8	43	63.6	8	SW	16	SSW	29.841
7/8/2008	2:35 PM	89	89	89	43	63.6	10	SW	15	SW	29.837
7/8/2008	2:36 PM	89	89	89	43	63.6	11	SW	16	SW	29.839
7/8/2008	2:37 PM	88.9	88.9	88.9	43	63.5	8	SW	13	WSW	29.834
7/8/2008	2:38 PM	88.8	88.8	88.8	44	64.1	6	S	9	S	29.838
7/8/2008	2:39 PM	88.8	88.8	88.8	45	64.7	5	SW	9	SW	29.838
7/8/2008	2:40 PM	88.8	88.8	88.7	44	64.1	9	W	15	W	29.837
7/8/2008	2:41 PM	88.7	88.7	88.7	44	64	10	W	14	WSW	29.834
7/8/2008	2:42 PM	88.6	88.7	88.6	44	63.9	10	SW	16	SW	29.832
7/8/2008	2:43 PM	88.6	88.6	88.6	44	63.9	6	SW	11	S	29.83
7/8/2008	2:44 PM	88.6	88.6	88.6	44	63.9	8	SW	13	WSW	29.831
7/8/2008	2:45 PM	88.8	88.8	88.7	44	64.1	4	WSW	8	SW	29.83
7/8/2008	2:46 PM	88.8	88.8	88.8	44	64.1	9	WSW	14	WSW	29.832
7/8/2008	2:47 PM	88.8	88.8	88.8	44	64.1	4	WSW	7	W	29.83
7/8/2008	2:48 PM	88.9	88.9	88.9	44	64.2	8	WSW	13	SW	29.831
7/8/2008	2:49 PM	88.9	88.9	88.9	43	63.5	10	W	19	W	29.829

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	2:50 PM	88.9	88.9	88.9	43	63.5	10	W	17	W	29.83
7/8/2008	2:51 PM	88.8	88.9	88.8	43	63.4	11	WSW	16	W	29.824
7/8/2008	2:52 PM	88.7	88.8	88.7	44	64	6	WSW	11	WSW	29.831
7/8/2008	2:53 PM	88.7	88.7	88.7	44	64	6	W	10	W	29.83
7/8/2008	2:54 PM	88.8	88.8	88.7	44	64.1	4	SSW	7	SSW	29.83
7/8/2008	2:55 PM	88.9	88.9	88.8	45	64.8	8	WSW	13	WSW	29.829
7/8/2008	2:56 PM	89	89	88.9	45	64.9	7	WSW	10	SW	29.829
7/8/2008	2:57 PM	89.1	89.1	89	45	65	8	WSW	13	WSW	29.829
7/8/2008	2:58 PM	89.1	89.1	89.1	44	64.3	10	WSW	17	SW	29.826
7/8/2008	2:59 PM	89	89.1	89	43	63.6	11	WSW	21	SW	29.826
7/8/2008	3:00 PM	88.9	89	88.9	42	62.8	13	SW	21	SW	29.826
7/8/2008	3:01 PM	88.8	88.9	88.8	42	62.7	9	SW	23	WSW	29.821
7/8/2008	3:02 PM	88.7	88.8	88.7	42	62.7	12	SW	21	WSW	29.825
7/8/2008	3:03 PM	88.7	88.8	88.7	43	63.3	8	WSW	14	SSW	29.825
7/8/2008	3:04 PM	88.8	88.8	88.7	43	63.4	7	W	12	SW	29.825
7/8/2008	3:05 PM	88.8	88.8	88.8	43	63.4	8	SW	17	SW	29.826
7/8/2008	3:06 PM	88.9	88.9	88.9	42	62.8	14	SW	23	SW	29.827
7/8/2008	3:07 PM	88.9	88.9	88.9	43	63.5	11	SSW	15	SSW	29.825
7/8/2008	3:08 PM	88.9	88.9	88.8	42	62.8	11	SW	16	WSW	29.825
7/8/2008	3:09 PM	88.8	88.8	88.8	43	63.4	6	SW	13	SW	29.823
7/8/2008	3:10 PM	88.8	88.8	88.8	43	63.4	9	SW	18	SW	29.825
7/8/2008	3:11 PM	88.8	88.8	88.8	43	63.4	10	W	16	W	29.821
7/8/2008	3:12 PM	88.8	88.8	88.8	42	62.7	10	SW	17	SW	29.823
7/8/2008	3:13 PM	88.8	88.8	88.8	43	63.4	10	SW	18	SSW	29.822
7/8/2008	3:14 PM	88.8	88.8	88.8	43	63.4	8	W	15	WSW	29.823
7/8/2008	3:15 PM	88.9	88.9	88.8	43	63.5	5	WSW	11	W	29.825
7/8/2008	3:16 PM	89	89	88.9	42	62.9	8	WSW	15	WSW	29.82
7/8/2008	3:17 PM	89	89	89	42	62.9	10	SW	19	SW	29.823
7/8/2008	3:18 PM	89.1	89.1	89.1	42	63	11	SW	17	SW	29.825
7/8/2008	3:19 PM	89.1	89.1	89.1	42	63	7	SW	14	SW	29.824
7/8/2008	3:20 PM	89.1	89.1	89.1	42	63	6	W	14	SW	29.822
7/8/2008	3:21 PM	89.1	89.1	89.1	41	62.3	5	SW	15	SW	29.823
7/8/2008	3:22 PM	89.2	89.2	89.2	42	63.1	10	SW	14	WSW	29.822
7/8/2008	3:23 PM	89.2	89.2	89.2	42	63.1	7	SSW	12	SW	29.823
7/8/2008	3:24 PM	89.2	89.2	89.2	42	63.1	4	WSW	7	WNW	29.823
7/8/2008	3:25 PM	89.4	89.4	89.2	42	63.3	5	WSW	10	WSW	29.825
7/8/2008	3:26 PM	89.6	89.6	89.4	42	63.5	3	SW	10	SW	29.823
7/8/2008	3:27 PM	89.8	89.8	89.6	43	64.3	5	SSW	9	SSW	29.824
7/8/2008	3:28 PM	89.9	89.9	89.8	42	63.7	3	SW	5	WNW	29.824
7/8/2008	3:29 PM	90.1	90.1	89.9	42	63.9	3	WNW	9	SW	29.823
7/8/2008	3:30 PM	90.2	90.2	90.1	41	63.3	7	SW	12	SSW	29.824
7/8/2008	3:31 PM	90.2	90.2	90.2	41	63.3	10	WSW	14	WSW	29.824
7/8/2008	3:32 PM	90.2	90.3	90.2	41	63.3	10	SW	16	SW	29.822
7/8/2008	3:33 PM	90.1	90.2	90.1	41	63.2	9	SW	16	SW	29.821
7/8/2008	3:34 PM	90	90.1	90	40	62.4	5	S	7	S	29.823
7/8/2008	3:35 PM	90	90	90	41	63.1	6	SW	11	SW	29.824

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	3:36 PM	90	90	90	41	63.1	2	WSW	5	WNW	29.823
7/8/2008	3:37 PM	90.1	90.1	90	41	63.2	5	WSW	11	WSW	29.824
7/8/2008	3:38 PM	90.1	90.1	90.1	41	63.2	5	SW	11	W	29.825
7/8/2008	3:39 PM	90.2	90.2	90.1	42	64	1	W	3	WNW	29.823
7/8/2008	3:40 PM	90.3	90.3	90.2	42	64.1	3	SSW	6	SSW	29.824
7/8/2008	3:41 PM	90.4	90.4	90.3	42	64.2	5	W	12	W	29.821
7/8/2008	3:42 PM	90.5	90.5	90.4	42	64.3	3	SSW	5	SW	29.819
7/8/2008	3:43 PM	90.6	90.6	90.5	40	63	9	W	15	W	29.82
7/8/2008	3:44 PM	90.6	90.6	90.6	42	64.4	5	SW	6	S	29.821
7/8/2008	3:45 PM	90.6	90.6	90.6	41	63.7	7	WSW	13	WSW	29.817
7/8/2008	3:46 PM	90.6	90.6	90.6	41	63.7	4	SW	8	SW	29.819
7/8/2008	3:47 PM	90.6	90.6	90.6	40	63	6	WSW	11	WSW	29.819
7/8/2008	3:48 PM	90.5	90.6	90.5	40	62.9	10	SW	13	SSW	29.816
7/8/2008	3:49 PM	90.4	90.5	90.4	40	62.8	7	SW	11	SW	29.817
7/8/2008	3:50 PM	90.4	90.4	90.4	41	63.5	3	WSW	9	WSW	29.82
7/8/2008	3:51 PM	90.4	90.4	90.3	41	63.5	7	WSW	12	W	29.817
7/8/2008	3:52 PM	90.3	90.3	90.3	41	63.4	5	SW	7	SSW	29.816
7/8/2008	3:53 PM	90.3	90.3	90.3	41	63.4	3	S	4	S	29.817
7/8/2008	3:54 PM	90.4	90.4	90.3	41	63.5	7	WSW	15	SSW	29.817
7/8/2008	3:55 PM	90.3	90.4	90.3	41	63.4	10	SW	17	SW	29.816
7/8/2008	3:56 PM	90.2	90.3	90.2	41	63.3	9	SSW	13	SSW	29.815
7/8/2008	3:57 PM	90.1	90.2	90.1	41	63.2	4	WSW	9	W	29.813
7/8/2008	3:58 PM	90	90.1	90	42	63.8	4	SSW	6	S	29.814
7/8/2008	3:59 PM	90	90	90	41	63.1	5	SW	10	SW	29.812
7/8/2008	4:00 PM	90	90	90	42	63.8	4	WSW	10	WSW	29.812
7/8/2008	4:01 PM	90	90	90	42	63.8	11	WSW	16	WSW	29.808
7/8/2008	4:02 PM	89.9	90	89.9	41	63	14	W	19	W	29.807
7/8/2008	4:03 PM	89.9	89.9	89.9	41	63	11	WSW	13	W	29.808
7/8/2008	4:04 PM	89.8	89.9	89.8	41	63	6	W	10	WSW	29.808
7/8/2008	4:05 PM	89.9	89.9	89.8	41	63	8	SW	13	SW	29.81
7/8/2008	4:06 PM	89.9	89.9	89.9	41	63	9	SW	13	SW	29.809
7/8/2008	4:07 PM	89.9	89.9	89.9	41	63	5	WSW	9	WSW	29.81
7/8/2008	4:08 PM	89.9	89.9	89.8	42	63.7	11	WSW	20	SW	29.809
7/8/2008	4:09 PM	89.8	89.9	89.8	42	63.6	8	SSW	13	SSW	29.806
7/8/2008	4:10 PM	89.8	89.8	89.8	43	64.3	7	SW	11	WSW	29.808
7/8/2008	4:11 PM	89.9	89.9	89.8	42	63.7	6	SW	11	SW	29.806
7/8/2008	4:12 PM	89.9	89.9	89.9	42	63.7	5	SW	9	SW	29.804
7/8/2008	4:13 PM	90	90	89.9	42	63.8	5	SSW	9	W	29.805
7/8/2008	4:14 PM	90.1	90.1	90	42	63.9	8	SSW	13	S	29.805
7/8/2008	4:15 PM	90.1	90.1	90.1	42	63.9	9	SSW	13	S	29.803
7/8/2008	4:16 PM	90	90.1	90	42	63.8	10	S	16	SW	29.805
7/8/2008	4:17 PM	89.9	90	89.9	41	63	11	S	17	SSW	29.806
7/8/2008	4:18 PM	89.7	89.9	89.7	42	63.6	10	SSW	14	SSW	29.803
7/8/2008	4:19 PM	89.6	89.7	89.6	42	63.5	10	S	16	S	29.804
7/8/2008	4:20 PM	89.5	89.6	89.5	42	63.4	7	SSW	13	S	29.8
7/8/2008	4:21 PM	89.5	89.6	89.5	43	64	8	SSW	11	SSW	29.801

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	4:22 PM	89.6	89.6	89.6	42	63.5	10	S	13	SSW	29.8
7/8/2008	4:23 PM	89.6	89.6	89.6	43	64.1	10	SSW	14	SSW	29.799
7/8/2008	4:24 PM	89.7	89.7	89.6	43	64.2	6	SW	11	W	29.799
7/8/2008	4:25 PM	89.7	89.7	89.6	43	64.2	5	SW	13	SW	29.798
7/8/2008	4:26 PM	89.8	89.8	89.7	43	64.3	7	S	11	S	29.798
7/8/2008	4:27 PM	89.9	89.9	89.8	42	63.7	7	SSW	11	S	29.797
7/8/2008	4:28 PM	89.8	89.9	89.8	42	63.6	8	SSW	11	SSW	29.798
7/8/2008	4:29 PM	89.8	89.8	89.8	42	63.6	4	SSW	6	SSW	29.796
7/8/2008	4:30 PM	89.7	89.8	89.7	43	64.2	3	SW	6	WSW	29.796
7/8/2008	4:31 PM	89.8	89.8	89.7	42	63.6	6	SE	10	ESE	29.795
7/8/2008	4:32 PM	89.8	89.8	89.8	43	64.3	5	SW	10	SSW	29.794
7/8/2008	4:33 PM	89.9	89.9	89.8	43	64.4	7	SW	11	S	29.794
7/8/2008	4:34 PM	90	90	89.9	43	64.5	4	SW	10	SSE	29.793
7/8/2008	4:35 PM	90.1	90.1	90	43	64.6	6	W	9	W	29.792
7/8/2008	4:36 PM	90.1	90.1	90.1	43	64.6	2	SW	3	WSW	29.795
7/8/2008	4:37 PM	90.2	90.2	90.1	43	64.7	1	SSW	3	W	29.793
7/8/2008	4:38 PM	90.3	90.3	90.2	43	64.8	6	WSW	10	WSW	29.794
7/8/2008	4:39 PM	90.4	90.4	90.3	44	65.5	4	S	9	SSE	29.793
7/8/2008	4:40 PM	90.5	90.5	90.4	42	64.3	3	S	5	SSE	29.792
7/8/2008	4:41 PM	90.5	90.5	90.5	43	64.9	4	WSW	11	SW	29.795
7/8/2008	4:42 PM	90.6	90.6	90.5	43	65	4	WSW	7	SSW	29.791
7/8/2008	4:43 PM	90.6	90.6	90.6	43	65	7	WSW	13	SW	29.792
7/8/2008	4:44 PM	90.6	90.7	90.6	43	65	9	SW	15	W	29.79
7/8/2008	4:45 PM	90.6	90.6	90.6	43	65	4	SW	6	SSW	29.789
7/8/2008	4:46 PM	90.6	90.6	90.5	43	65	4	WSW	9	SW	29.79
7/8/2008	4:47 PM	90.5	90.5	90.5	43	64.9	3	SSW	6	SSW	29.788
7/8/2008	4:48 PM	90.6	90.6	90.5	44	65.7	2	W	5	SSW	29.791
7/8/2008	4:49 PM	90.9	90.9	90.7	44	66	3	W	7	W	29.788
7/8/2008	4:50 PM	91	91	90.9	42	64.7	8	SSW	12	SSW	29.786
7/8/2008	4:51 PM	91	91	91	43	65.4	4	SSW	9	SW	29.786
7/8/2008	4:52 PM	91	91	91	43	65.4	4	SSW	7	SSW	29.786
7/8/2008	4:53 PM	91	91.1	91	42	64.7	4	SSW	10	SW	29.786
7/8/2008	4:54 PM	91	91	91	42	64.7	3	SSW	6	S	29.785
7/8/2008	4:55 PM	91	91	91	42	64.7	4	SSW	6	SSW	29.786
7/8/2008	4:56 PM	90.9	91	90.9	42	64.6	6	SSW	10	SSW	29.785
7/8/2008	4:57 PM	90.8	90.9	90.8	42	64.5	4	SSW	7	SSW	29.785
7/8/2008	4:58 PM	90.6	90.8	90.6	42	64.4	4	SW	7	SW	29.784
7/8/2008	4:59 PM	90.6	90.6	90.6	44	65.7	3	SW	6	NW	29.786
7/8/2008	5:00 PM	90.6	90.6	90.6	43	65	4	S	6	WSW	29.786
7/8/2008	5:01 PM	90.6	90.6	90.6	44	65.7	3	SW	5	S	29.786
7/8/2008	5:02 PM	90.6	90.6	90.6	44	65.7	4	SSW	6	WNW	29.786
7/8/2008	5:03 PM	90.7	90.7	90.7	43	65.1	5	WSW	7	WSW	29.785
7/8/2008	5:04 PM	90.7	90.7	90.7	43	65.1	3	W	9	W	29.787
7/8/2008	5:05 PM	90.7	90.8	90.7	43	65.1	3	WSW	11	W	29.781
7/8/2008	5:06 PM	90.8	90.8	90.7	44	65.9	3	SW	5	SW	29.783
7/8/2008	5:07 PM	90.8	90.8	90.8	44	65.9	2	S	3	S	29.781



Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	5:08 PM	90.9	90.9	90.8	43	65.3	1	SSW	3	SSW	29.783
7/8/2008	5:09 PM	91	91	90.9	44	66.1	4	SSW	6	SW	29.783
7/8/2008	5:10 PM	91	91	91	43	65.4	6	SSW	11	SW	29.783
7/8/2008	5:11 PM	91	91	91	43	65.4	5	SW	9	WSW	29.783
7/8/2008	5:12 PM	90.9	90.9	90.9	43	65.3	7	SW	11	SW	29.784
7/8/2008	5:13 PM	90.7	90.8	90.7	44	65.8	7	SW	12	SSW	29.783
7/8/2008	5:14 PM	90.5	90.7	90.5	44	65.6	4	SSW	6	SW	29.783
7/8/2008	5:15 PM	90.4	90.5	90.4	44	65.5	2	SSE	6	SW	29.783
7/8/2008	5:16 PM	90.4	90.4	90.4	44	65.5	3	SW	5	SSW	29.782
7/8/2008	5:17 PM	90.4	90.4	90.4	44	65.5	3	SW	7	SW	29.782
7/8/2008	5:18 PM	90.4	90.4	90.4	44	65.5	4	SW	8	SW	29.782
7/8/2008	5:19 PM	90.4	90.4	90.4	44	65.5	1	SW	3	SW	29.781
7/8/2008	5:20 PM	90.4	90.4	90.4	44	65.5	5	SW	7	SW	29.778
7/8/2008	5:21 PM	90.4	90.4	90.4	44	65.5	3	WSW	6	WSW	29.781
7/8/2008	5:22 PM	90.4	90.4	90.4	44	65.5	4	S	7	SSW	29.78
7/8/2008	5:23 PM	90.3	90.4	90.3	44	65.4	6	SSW	9	SSW	29.777
7/8/2008	5:24 PM	90.3	90.3	90.3	43	64.8	6	S	9	S	29.778
7/8/2008	5:25 PM	90.1	90.2	90.1	44	65.2	6	SSW	10	SSW	29.78
7/8/2008	5:26 PM	90	90.1	90	44	65.2	6	SSW	7	SSW	29.779
7/8/2008	5:27 PM	89.9	89.9	89.9	45	65.7	3	SSW	6	SW	29.777
7/8/2008	5:28 PM	89.8	89.8	89.8	45	65.6	3	SSE	6	S	29.778
7/8/2008	5:29 PM	89.7	89.8	89.7	44	64.9	6	S	10	SW	29.778
7/8/2008	5:30 PM	89.7	89.7	89.7	44	64.9	4	SSW	5	SSW	29.775
7/8/2008	5:31 PM	89.7	89.7	89.7	44	64.9	5	SSW	7	SSW	29.775
7/8/2008	5:32 PM	89.6	89.7	89.6	45	65.4	2	SE	3	SW	29.773
7/8/2008	5:33 PM	89.7	89.7	89.6	45	65.5	6	SSW	9	SSW	29.774
7/8/2008	5:34 PM	89.6	89.6	89.6	45	65.4	4	S	7	S	29.773
7/8/2008	5:35 PM	89.6	89.6	89.6	45	65.4	3	SW	6	SW	29.771
7/8/2008	5:36 PM	89.6	89.6	89.6	45	65.4	2	S	4	SSE	29.773
7/8/2008	5:37 PM	89.6	89.6	89.6	45	65.4	4	SSW	5	SSW	29.773
7/8/2008	5:38 PM	89.7	89.7	89.6	45	65.5	2	SSE	4	SSE	29.773
7/8/2008	5:39 PM	89.8	89.8	89.7	45	65.6	4	SE	6	SE	29.774
7/8/2008	5:40 PM	89.9	89.9	89.8	45	65.7	3	SE	5	SSE	29.773
7/8/2008	5:41 PM	90	90	89.9	46	66.4	1	SSE	2	S	29.775
7/8/2008	5:42 PM	90.1	90.1	90	46	66.5	1	SW	3	S	29.774
7/8/2008	5:43 PM	90.3	90.3	90.1	45	66.1	3	S	6	SSW	29.775
7/8/2008	5:44 PM	90.3	90.3	90.3	45	66.1	5	SSW	10	SSW	29.773
7/8/2008	5:45 PM	90.3	90.3	90.3	46	66.7	3	W	4	W	29.776
7/8/2008	5:46 PM	90.3	90.3	90.3	45	66.1	3	SW	6	SSW	29.775
7/8/2008	5:47 PM	90.4	90.4	90.3	45	66.2	5	S	7	SSW	29.775
7/8/2008	5:48 PM	90.3	90.4	90.3	45	66.1	4	WSW	7	WSW	29.777
7/8/2008	5:49 PM	90.2	90.3	90.2	45	66	5	SW	10	SW	29.774
7/8/2008	5:50 PM	90.1	90.2	90.1	46	66.5	2	WSW	4	SW	29.773
7/8/2008	5:51 PM	90.1	90.1	90.1	46	66.5	8	W	13	W	29.774
7/8/2008	5:52 PM	90.1	90.1	90.1	46	66.5	6	SW	12	W	29.773
7/8/2008	5:53 PM	90	90.1	90	46	66.4	6	WSW	11	WSW	29.773

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	5:54 PM	90	90	90	46	66.4	5	SW	8	SW	29.77
7/8/2008	5:55 PM	90	90	89.9	46	66.4	4	WNW	6	WSW	29.77
7/8/2008	5:56 PM	89.9	89.9	89.9	46	66.3	3	SSW	5	WNW	29.77
7/8/2008	5:57 PM	89.9	89.9	89.9	47	67	4	SSW	5	SSW	29.774
7/8/2008	5:58 PM	90	90	89.9	47	67.1	2	WSW	4	SW	29.772
7/8/2008	5:59 PM	90	90	90	46	66.4	5	WSW	6	W	29.773
7/8/2008	6:00 PM	90	90.1	90	46	66.4	3	W	6	WSW	29.769
7/8/2008	6:01 PM	90	90	90	46	66.4	2	SSW	4	W	29.774
7/8/2008	6:02 PM	90	90	90	45	65.8	5	W	7	WSW	29.772
7/8/2008	6:03 PM	89.9	90	89.9	46	66.3	5	WSW	6	WSW	29.773
7/8/2008	6:04 PM	89.9	89.9	89.9	46	66.3	3	S	5	SW	29.771
7/8/2008	6:05 PM	89.9	89.9	89.9	46	66.3	2	WSW	4	SSW	29.772
7/8/2008	6:06 PM	89.9	89.9	89.9	47	67	4	W	10	SW	29.773
7/8/2008	6:07 PM	89.9	89.9	89.9	46	66.3	5	SW	7	SW	29.771
7/8/2008	6:08 PM	89.9	89.9	89.9	46	66.3	4	WSW	6	WNW	29.77
7/8/2008	6:09 PM	89.9	89.9	89.9	46	66.3	7	SSW	10	SSW	29.772
7/8/2008	6:10 PM	89.9	89.9	89.9	46	66.3	6	SSW	12	SW	29.772
7/8/2008	6:11 PM	89.8	89.9	89.8	46	66.3	7	SW	10	SW	29.773
7/8/2008	6:12 PM	89.7	89.8	89.7	46	66.2	3	SW	7	SW	29.77
7/8/2008	6:13 PM	89.7	89.7	89.7	46	66.2	4	SW	7	SW	29.772
7/8/2008	6:14 PM	89.6	89.7	89.6	47	66.7	6	SSW	10	SSW	29.772
7/8/2008	6:15 PM	89.6	89.6	89.6	47	66.7	5	SSW	8	SSW	29.773
7/8/2008	6:16 PM	89.5	89.6	89.5	47	66.6	9	SW	14	SW	29.772
7/8/2008	6:17 PM	89.5	89.5	89.5	47	66.6	5	SSW	8	W	29.771
7/8/2008	6:18 PM	89.5	89.5	89.5	46	66	4	SSW	7	SSW	29.773
7/8/2008	6:19 PM	89.5	89.5	89.5	47	66.6	5	S	7	S	29.772
7/8/2008	6:20 PM	89.5	89.5	89.4	47	66.6	3	SSW	7	SSW	29.772
7/8/2008	6:21 PM	89.5	89.5	89.5	47	66.6	3	SSW	5	WNW	29.773
7/8/2008	6:22 PM	89.6	89.6	89.5	47	66.7	3	SSW	7	SW	29.773
7/8/2008	6:23 PM	89.7	89.7	89.6	46	66.2	5	SSW	7	SSW	29.773
7/8/2008	6:24 PM	89.7	89.7	89.7	47	66.8	6	SSW	11	SSW	29.773
7/8/2008	6:25 PM	89.7	89.7	89.7	46	66.2	6	SSW	11	SSW	29.773
7/8/2008	6:26 PM	89.6	89.7	89.6	47	66.7	5	SSW	9	S	29.77
7/8/2008	6:27 PM	89.6	89.6	89.6	47	66.7	4	SSW	7	SSW	29.77
7/8/2008	6:28 PM	89.5	89.6	89.5	47	66.6	7	SW	10	SW	29.768
7/8/2008	6:29 PM	89.4	89.5	89.4	47	66.5	5	SW	10	SW	29.772
7/8/2008	6:30 PM	89.3	89.4	89.3	47	66.4	4	SW	7	SW	29.771
7/8/2008	6:31 PM	89.3	89.3	89.3	47	66.4	5	SW	7	S	29.77
7/8/2008	6:32 PM	89.2	89.3	89.2	47	66.3	5	SW	7	SW	29.771
7/8/2008	6:33 PM	89.2	89.2	89.2	47	66.3	4	SW	6	WSW	29.771
7/8/2008	6:34 PM	89.1	89.1	89.1	47	66.2	4	SSW	6	SSW	29.77
7/8/2008	6:35 PM	89.1	89.1	89.1	47	66.2	6	SW	10	SW	29.771
7/8/2008	6:36 PM	89	89	89	47	66.2	3	S	5	SW	29.769
7/8/2008	6:37 PM	89	89	89	48	66.8	4	SW	7	SW	29.771
7/8/2008	6:38 PM	88.9	89	88.9	47	66.1	6	SSW	11	SSW	29.772
7/8/2008	6:39 PM	88.9	88.9	88.9	47	66.1	5	SW	8	SW	29.772

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	6:40 PM	88.8	88.9	88.8	48	66.6	3	SW	6	SSW	29.772
7/8/2008	6:41 PM	88.8	88.8	88.8	47	66	5	SSW	8	SSW	29.773
7/8/2008	6:42 PM	88.8	88.8	88.8	47	66	4	SSW	6	S	29.774
7/8/2008	6:43 PM	88.7	88.8	88.7	48	66.5	4	SSW	7	SW	29.774
7/8/2008	6:44 PM	88.7	88.7	88.7	48	66.5	4	SSW	6	SSW	29.774
7/8/2008	6:45 PM	88.7	88.7	88.7	48	66.5	6	SW	11	SSW	29.773
7/8/2008	6:46 PM	88.7	88.7	88.6	47	65.9	6	SSW	10	SW	29.772
7/8/2008	6:47 PM	88.6	88.6	88.6	48	66.4	3	SSW	4	SSW	29.773
7/8/2008	6:48 PM	88.6	88.6	88.6	48	66.4	2	SSW	4	SSW	29.772
7/8/2008	6:49 PM	88.7	88.7	88.6	48	66.5	3	SW	4	SW	29.771
7/8/2008	6:50 PM	88.7	88.7	88.7	48	66.5	7	SW	11	SW	29.771
7/8/2008	6:51 PM	88.7	88.7	88.7	48	66.5	5	SSW	8	SW	29.769
7/8/2008	6:52 PM	88.7	88.7	88.7	47	65.9	5	SSW	10	SSW	29.768
7/8/2008	6:53 PM	88.6	88.7	88.6	48	66.4	4	SW	7	S	29.768
7/8/2008	6:54 PM	88.6	88.6	88.6	48	66.4	5	SSW	6	SSW	29.766
7/8/2008	6:55 PM	88.6	88.6	88.6	48	66.4	4	WSW	7	SW	29.764
7/8/2008	6:56 PM	88.6	88.6	88.5	48	66.4	5	S	7	SW	29.764
7/8/2008	6:57 PM	88.5	88.6	88.5	48	66.3	6	S	9	S	29.763
7/8/2008	6:58 PM	88.5	88.5	88.5	48	66.3	5	S	8	S	29.763
7/8/2008	6:59 PM	88.5	88.5	88.5	48	66.3	4	S	7	S	29.762
7/8/2008	7:00 PM	88.5	88.5	88.4	48	66.3	4	S	7	S	29.763
7/8/2008	7:01 PM	88.5	88.5	88.4	48	66.3	3	S	5	SSE	29.761
7/8/2008	7:02 PM	88.4	88.5	88.4	48	66.2	4	S	6	SSE	29.764
7/8/2008	7:03 PM	88.5	88.5	88.4	49	66.9	5	S	9	SSW	29.764
7/8/2008	7:04 PM	88.5	88.5	88.4	49	66.9	2	SSW	4	SSW	29.762
7/8/2008	7:05 PM	88.5	88.5	88.5	48	66.3	3	SE	5	SE	29.764
7/8/2008	7:06 PM	88.5	88.5	88.5	48	66.3	3	SSE	5	SE	29.763
7/8/2008	7:07 PM	88.6	88.6	88.5	49	67	3	SSE	5	SSE	29.766
7/8/2008	7:08 PM	88.6	88.6	88.6	48	66.4	3	SSE	6	S	29.765
7/8/2008	7:09 PM	88.6	88.6	88.6	49	67	3	SSE	4	SSE	29.763
7/8/2008	7:10 PM	88.6	88.6	88.6	49	67	2	SE	4	SSE	29.764
7/8/2008	7:11 PM	88.6	88.6	88.6	49	67	1	SE	3	SSE	29.766
7/8/2008	7:12 PM	88.6	88.6	88.6	49	67	0	SSE	1	SSE	29.768
7/8/2008	7:13 PM	88.7	88.7	88.6	49	67.1	2	S	5	S	29.768
7/8/2008	7:14 PM	88.7	88.7	88.7	49	67.1	3	SSE	6	SSW	29.769
7/8/2008	7:15 PM	88.7	88.7	88.7	49	67.1	3	SSE	4	S	29.771
7/8/2008	7:16 PM	88.7	88.7	88.7	48	66.5	4	SE	6	SSE	29.772
7/8/2008	7:17 PM	88.7	88.7	88.7	49	67.1	3	S	4	SSE	29.771
7/8/2008	7:18 PM	88.7	88.7	88.7	49	67.1	6	SSW	10	SSW	29.771
7/8/2008	7:19 PM	88.6	88.7	88.6	49	67	8	SSW	11	SSW	29.769
7/8/2008	7:20 PM	88.4	88.6	88.4	49	66.8	4	SSW	6	SSW	29.771
7/8/2008	7:21 PM	88.4	88.4	88.4	49	66.8	4	SSW	8	S	29.772
7/8/2008	7:22 PM	88.3	88.3	88.3	49	66.7	5	SSE	7	S	29.771
7/8/2008	7:23 PM	88.2	88.3	88.2	49	66.6	3	SSW	5	SSW	29.771
7/8/2008	7:24 PM	88.1	88.2	88.1	49	66.5	3	SSW	5	SSW	29.772
7/8/2008	7:25 PM	88.1	88.1	88.1	50	67.1	4	SSW	5	SW	29.772

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	7:26 PM	88	88.1	88	50	67	5	S	6	S	29.772
7/8/2008	7:27 PM	87.9	88	87.9	50	66.9	3	S	6	SSW	29.772
7/8/2008	7:28 PM	87.9	88	87.9	50	66.9	4	S	7	S	29.775
7/8/2008	7:29 PM	87.9	87.9	87.9	50	66.9	2	SSE	5	S	29.776
7/8/2008	7:30 PM	87.8	87.9	87.8	50	66.8	3	S	4	S	29.776
7/8/2008	7:31 PM	87.8	87.8	87.8	50	66.8	4	SE	6	SSE	29.775
7/8/2008	7:32 PM	87.8	87.8	87.8	50	66.8	5	SSE	7	SSE	29.776
7/8/2008	7:33 PM	87.8	87.8	87.8	50	66.8	2	S	4	SSE	29.776
7/8/2008	7:34 PM	87.8	87.8	87.8	50	66.8	3	S	6	S	29.774
7/8/2008	7:35 PM	87.7	87.8	87.7	50	66.8	2	SSE	4	SW	29.772
7/8/2008	7:36 PM	87.7	87.7	87.7	50	66.8	2	SSE	3	S	29.776
7/8/2008	7:37 PM	87.7	87.7	87.7	50	66.8	3	SSE	5	SSE	29.776
7/8/2008	7:38 PM	87.6	87.7	87.6	50	66.7	3	SSE	4	SSE	29.776
7/8/2008	7:39 PM	87.6	87.7	87.6	50	66.7	2	SSE	4	S	29.776
7/8/2008	7:40 PM	87.5	87.6	87.5	50	66.6	2	SE	4	SE	29.777
7/8/2008	7:41 PM	87.5	87.6	87.5	50	66.6	3	SSE	5	SSW	29.777
7/8/2008	7:42 PM	87.5	87.5	87.5	50	66.6	3	SSE	6	SSE	29.778
7/8/2008	7:43 PM	87.5	87.5	87.5	51	67.1	2	SSE	4	SSE	29.776
7/8/2008	7:44 PM	87.4	87.5	87.4	50	66.5	2	SSE	6	SSE	29.776
7/8/2008	7:45 PM	87.4	87.5	87.4	51	67.1	2	SSE	4	SE	29.776
7/8/2008	7:46 PM	87.4	87.4	87.4	51	67.1	4	SSE	6	S	29.776
7/8/2008	7:47 PM	87.4	87.4	87.4	51	67.1	2	S	4	SE	29.778
7/8/2008	7:48 PM	87.4	87.4	87.4	51	67.1	3	S	6	SE	29.778
7/8/2008	7:49 PM	87.4	87.4	87.4	51	67.1	4	SE	5	SE	29.776
7/8/2008	7:50 PM	87.3	87.3	87.3	51	67	4	SSE	5	S	29.775
7/8/2008	7:51 PM	87.2	87.3	87.2	51	66.9	4	SSE	6	S	29.777
7/8/2008	7:52 PM	87.2	87.2	87.2	51	66.9	3	SSE	7	SSE	29.775
7/8/2008	7:53 PM	87.1	87.2	87.1	51	66.8	3	SSE	5	SSE	29.774
7/8/2008	7:54 PM	87	87.1	87	51	66.7	4	SSE	6	SSE	29.774
7/8/2008	7:55 PM	86.9	87	86.9	51	66.6	4	S	5	ESE	29.777
7/8/2008	7:56 PM	86.8	86.9	86.8	51	66.5	4	SSE	6	SE	29.776
7/8/2008	7:57 PM	86.8	86.8	86.8	52	67.1	2	SSE	4	SSE	29.777
7/8/2008	7:58 PM	86.7	86.8	86.7	52	67	3	S	5	S	29.776
7/8/2008	7:59 PM	86.7	86.7	86.7	52	67	3	SSE	4	S	29.778
7/8/2008	8:00 PM	86.6	86.6	86.6	52	66.9	3	S	5	S	29.776
7/8/2008	8:01 PM	86.6	86.6	86.6	52	66.9	4	SSE	7	SSW	29.775
7/8/2008	8:02 PM	86.5	86.5	86.5	52	66.8	4	SSE	6	SSE	29.775
7/8/2008	8:03 PM	86.4	86.5	86.4	52	66.7	3	SSE	5	SSE	29.774
7/8/2008	8:04 PM	86.4	86.4	86.4	52	66.7	2	SE	4	S	29.774
7/8/2008	8:05 PM	86.3	86.4	86.3	52	66.6	5	SSE	7	SE	29.777
7/8/2008	8:06 PM	86.3	86.3	86.3	52	66.6	5	SSE	6	SSE	29.778
7/8/2008	8:07 PM	86.2	86.3	86.2	52	66.5	3	SSE	6	S	29.778
7/8/2008	8:08 PM	86.2	86.2	86.2	52	66.5	4	SSE	6	SSE	29.779
7/8/2008	8:09 PM	86.1	86.2	86.1	53	67	3	SSE	4	S	29.78
7/8/2008	8:10 PM	86.1	86.1	86.1	53	67	3	SE	5	SSE	29.778
7/8/2008	8:11 PM	86.1	86.1	86.1	53	67	4	S	7	S	29.777

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	8:12 PM	86	86.1	86	53	66.9	4	S	6	SSW	29.781
7/8/2008	8:13 PM	86	86	86	53	66.9	4	S	5	SSE	29.779
7/8/2008	8:14 PM	85.9	86	85.9	53	66.8	3	SSE	5	SE	29.78
7/8/2008	8:15 PM	85.9	85.9	85.9	53	66.8	2	SSE	4	SSE	29.782
7/8/2008	8:16 PM	85.9	85.9	85.9	53	66.8	4	S	5	S	29.78
7/8/2008	8:17 PM	85.8	85.9	85.8	53	66.7	2	S	5	SSE	29.781
7/8/2008	8:18 PM	85.8	85.8	85.8	53	66.7	5	SSE	7	S	29.778
7/8/2008	8:19 PM	85.7	85.8	85.7	53	66.6	3	SSE	5	SE	29.777
7/8/2008	8:20 PM	85.7	85.7	85.7	53	66.6	2	SSE	4	SSE	29.776
7/8/2008	8:21 PM	85.7	85.7	85.7	53	66.6	1	S	3	SSE	29.779
7/8/2008	8:22 PM	85.7	85.7	85.6	53	66.6	2	S	4	SSE	29.779
7/8/2008	8:23 PM	85.6	85.7	85.6	53	66.5	2	SSE	4	SSE	29.779
7/8/2008	8:24 PM	85.6	85.6	85.6	53	66.5	5	SSE	9	SSE	29.779
7/8/2008	8:25 PM	85.6	85.6	85.6	53	66.5	4	SSE	6	S	29.781
7/8/2008	8:26 PM	85.6	85.6	85.6	53	66.5	3	SSE	5	SE	29.78
7/8/2008	8:27 PM	85.5	85.6	85.5	53	66.4	2	SSE	3	SSW	29.779
7/8/2008	8:28 PM	85.5	85.5	85.5	53	66.4	3	SSE	4	SSE	29.779
7/8/2008	8:29 PM	85.4	85.4	85.4	53	66.3	4	SSE	7	SSE	29.781
7/8/2008	8:30 PM	85.4	85.4	85.4	53	66.3	4	SSE	5	S	29.779
7/8/2008	8:31 PM	85.3	85.3	85.3	54	66.8	3	SSE	4	SE	29.778
7/8/2008	8:32 PM	85.2	85.3	85.2	54	66.7	3	SE	5	S	29.778
7/8/2008	8:33 PM	85.2	85.2	85.2	54	66.7	2	SSE	5	SSE	29.78
7/8/2008	8:34 PM	85.1	85.1	85.1	54	66.6	4	SSE	5	SSE	29.777
7/8/2008	8:35 PM	85	85.1	85	54	66.5	4	SSE	6	S	29.781
7/8/2008	8:36 PM	85	85	85	54	66.5	3	SSE	7	SSE	29.778
7/8/2008	8:37 PM	84.9	85	84.9	54	66.4	4	ESE	6	SE	29.775
7/8/2008	8:38 PM	84.8	84.9	84.8	54	66.3	5	SE	6	SSE	29.774
7/8/2008	8:39 PM	84.8	84.9	84.8	54	66.3	4	SE	6	SE	29.776
7/8/2008	8:40 PM	84.7	84.8	84.7	54	66.2	4	SSE	6	SE	29.778
7/8/2008	8:41 PM	84.7	84.7	84.7	55	66.7	3	SE	5	SSE	29.776
7/8/2008	8:42 PM	84.6	84.7	84.6	55	66.7	3	SE	6	SE	29.777
7/8/2008	8:43 PM	84.6	84.6	84.6	55	66.7	4	SSE	5	SE	29.779
7/8/2008	8:44 PM	84.5	84.6	84.5	55	66.6	4	SSE	6	SE	29.779
7/8/2008	8:45 PM	84.5	84.5	84.5	55	66.6	5	SSE	6	SE	29.776
7/8/2008	8:46 PM	84.4	84.5	84.4	55	66.5	2	SSE	5	SSE	29.777
7/8/2008	8:47 PM	84.3	84.4	84.3	55	66.4	4	SSE	5	SE	29.776
7/8/2008	8:48 PM	84.3	84.3	84.3	56	66.9	4	SSE	7	SSE	29.774
7/8/2008	8:49 PM	84.2	84.3	84.2	56	66.8	4	SSE	6	SE	29.776
7/8/2008	8:50 PM	84.2	84.2	84.2	56	66.8	3	SE	6	SE	29.775
7/8/2008	8:51 PM	84.1	84.2	84.1	56	66.7	4	SSE	6	SSE	29.777
7/8/2008	8:52 PM	84.1	84.1	84.1	56	66.7	3	SSE	4	SSE	29.777
7/8/2008	8:53 PM	84	84.1	84	56	66.6	3	SSE	4	SE	29.778
7/8/2008	8:54 PM	84	84	84	56	66.6	4	SSE	6	S	29.779
7/8/2008	8:55 PM	84	84	84	56	66.6	5	SE	7	SE	29.777
7/8/2008	8:56 PM	84	84	84	56	66.6	3	SSE	6	SE	29.778
7/8/2008	8:57 PM	84	84	84	56	66.6	4	SE	7	SE	29.78

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	8:58 PM	84	84	84	56	66.6	3	S	5	SSW	29.78
7/8/2008	8:59 PM	84	84	83.9	56	66.6	2	S	4	SSW	29.779
7/8/2008	9:00 PM	83.9	84	83.9	56	66.5	0	S	2	SSE	29.78
7/8/2008	9:01 PM	83.9	84	83.9	57	67	3	SSE	5	SSE	29.782
7/8/2008	9:02 PM	83.9	83.9	83.9	57	67	2	S	3	S	29.781
7/8/2008	9:03 PM	83.9	83.9	83.9	57	67	2	S	4	SSE	29.78
7/8/2008	9:04 PM	83.9	83.9	83.9	57	67	2	S	4	S	29.782
7/8/2008	9:05 PM	83.8	83.9	83.8	57	66.9	1	SSE	2	SE	29.782
7/8/2008	9:06 PM	83.8	83.8	83.8	57	66.9	2	SSE	4	SSE	29.782
7/8/2008	9:07 PM	83.7	83.8	83.7	57	66.8	4	SSE	6	SSE	29.78
7/8/2008	9:08 PM	83.7	83.8	83.7	57	66.8	2	SSE	4	SE	29.781
7/8/2008	9:09 PM	83.7	83.7	83.7	57	66.8	4	SSE	6	SSE	29.78
7/8/2008	9:10 PM	83.6	83.7	83.6	57	66.8	0	SSE	3	SSE	29.779
7/8/2008	9:11 PM	83.6	83.6	83.6	57	66.8	0	SSE	2	SSW	29.781
7/8/2008	9:12 PM	83.6	83.6	83.6	58	67.3	2	SSE	4	SSE	29.78
7/8/2008	9:13 PM	83.6	83.6	83.5	58	67.3	1	SSE	4	SE	29.778
7/8/2008	9:14 PM	83.5	83.6	83.5	58	67.2	1	S	2	S	29.779
7/8/2008	9:15 PM	83.5	83.5	83.5	58	67.2	1	SSE	3	SE	29.78
7/8/2008	9:16 PM	83.5	83.5	83.5	58	67.2	3	SSE	6	SSE	29.781
7/8/2008	9:17 PM	83.5	83.5	83.5	58	67.2	3	SE	6	SSE	29.782
7/8/2008	9:18 PM	83.4	83.5	83.4	58	67.1	1	S	2	S	29.782
7/8/2008	9:19 PM	83.4	83.4	83.4	58	67.1	2	SE	3	SE	29.783
7/8/2008	9:20 PM	83.4	83.4	83.4	58	67.1	3	S	5	SSE	29.781
7/8/2008	9:21 PM	83.3	83.4	83.3	58	67	1	S	3	SSE	29.78
7/8/2008	9:22 PM	83.3	83.3	83.3	58	67	2	S	3	S	29.778
7/8/2008	9:23 PM	83.2	83.3	83.2	58	66.9	3	SE	5	SSE	29.778
7/8/2008	9:24 PM	83.2	83.3	83.2	58	66.9	2	SSE	4	SE	29.779
7/8/2008	9:25 PM	83.2	83.2	83.2	58	66.9	0	---	0	---	29.779
7/8/2008	9:26 PM	83.2	83.2	83.2	59	67.4	0	---	0	---	29.779
7/8/2008	9:27 PM	83.1	83.2	83.1	59	67.3	0	---	0	---	29.779
7/8/2008	9:28 PM	83.1	83.2	83.1	61	68.3	0	WNW	1	WNW	29.779
7/8/2008	9:29 PM	83	83.1	83	61	68.2	0	---	0	---	29.777
7/8/2008	9:30 PM	83	83	83	61	68.2	0	---	0	---	29.777
7/8/2008	9:31 PM	82.9	82.9	82.9	62	68.5	0	---	0	---	29.774
7/8/2008	9:32 PM	82.8	82.8	82.8	62	68.4	0	---	0	---	29.773
7/8/2008	9:33 PM	82.6	82.7	82.6	62	68.3	0	---	0	---	29.775
7/8/2008	9:34 PM	82.5	82.6	82.5	62	68.2	0	---	0	---	29.775
7/8/2008	9:35 PM	82.3	82.5	82.3	62	68	0	W	2	W	29.777
7/8/2008	9:36 PM	82.2	82.3	82.2	63	68.3	0	W	1	W	29.778
7/8/2008	9:37 PM	82.1	82.2	82.1	63	68.3	0	---	0	---	29.783
7/8/2008	9:38 PM	82	82	82	63	68.2	0	---	0	---	29.786
7/8/2008	9:39 PM	81.9	81.9	81.9	64	68.5	0	---	0	---	29.784
7/8/2008	9:40 PM	81.8	81.9	81.8	64	68.4	0	---	0	---	29.783
7/8/2008	9:41 PM	81.7	81.8	81.7	64	68.3	0	---	0	---	29.785
7/8/2008	9:42 PM	81.6	81.7	81.6	64	68.2	0	---	0	---	29.784
7/8/2008	9:43 PM	81.6	81.6	81.6	64	68.2	0	---	0	---	29.785

Table 2B

**Meteorological Conditions -  
EPT (R9/16/2008 Building)  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Hi Speed	Hi Dir	Bar
7/8/2008	9:44 PM	81.5	81.6	81.5	64	68.1	0	---	0	---	29.785
7/8/2008	9:45 PM	81.4	81.5	81.4	64	68.1	0	---	0	---	29.787
7/8/2008	9:46 PM	81.3	81.4	81.3	65	68.4	0	SSW	1	SSW	29.785
7/8/2008	9:47 PM	81.2	81.3	81.2	65	68.3	0	---	0	---	29.786
7/8/2008	9:48 PM	81.1	81.2	81.1	65	68.2	0	---	0	---	29.787
7/8/2008	9:49 PM	81.1	81.1	81.1	65	68.2	0	---	0	---	29.789
7/8/2008	9:50 PM	81	81.1	81	65	68.1	0	---	0	---	29.788
7/8/2008	9:51 PM	80.9	81	80.9	65	68	0	---	0	---	29.787
7/8/2008	9:52 PM	80.9	80.9	80.9	65	68	0	---	0	---	29.784
7/8/2008	9:53 PM	80.8	80.9	80.8	65	67.9	0	---	0	---	29.788
7/8/2008	9:54 PM	80.8	80.8	80.7	65	67.9	0	---	0	---	29.786
7/8/2008	9:55 PM	80.7	80.7	80.7	65	67.8	0	---	0	---	29.785
7/8/2008	9:56 PM	80.6	80.7	80.6	65	67.7	0	---	0	---	29.785
7/8/2008	9:57 PM	80.6	80.6	80.6	65	67.7	0	---	0	---	29.785
7/8/2008	9:58 PM	80.5	80.6	80.5	65	67.6	0	---	0	---	29.785
7/8/2008	9:59 PM	80.5	80.5	80.5	66	68.1	0	---	0	---	29.785
7/8/2008	10:00 PM	80.5	80.5	80.5	66	68.1	0	---	0	---	29.783

**Table 3**  
**Ambient Air Sampling Results**  
**July 2008**  
**Emerson Power Transmission**  
**Ithaca, New York**

<b>Sample ID:</b>	<b>DW-1AM</b>	<b>DW-1PM</b>	<b>DW-2AM</b>	<b>DW-2PM</b>	<b>DW-2AM</b>	<b>DW-2AM</b>	<b>DW-2PM</b>	<b>DW-3AM</b>	<b>DW-3PM</b>	<b>UW-1AM</b>	<b>UW-1PM</b>
<b>Sample Type:</b>						<b>DUP</b>					
<b>Sampling Date:</b>	<b>07/08/08</b>	<b>07/08/08</b>	<b>07/08/08</b>	<b>07/08/08</b>	<b>07/09/08</b>	<b>07/09/08</b>	<b>07/09/08</b>	<b>07/09/08</b>	<b>07/09/08</b>	<b>07/08/08</b>	<b>07/08/08</b>
<b>VOCs (µg/m3)</b>											
Acetone	20	14	15	15	13	13	61	11	13	13	19
Benzene	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	1.3	0.72 U	2.5	0.74 U	0.83
2-Butanone	1.8	2.1	2.3	1.9	1.1	1.3	1.8	2.1	1.1	1.7	2.8
Carbon tetrachloride	0.41	0.45	0.41	0.45	0.44	0.41	0.39	0.44	0.42	0.42	0.44
Chloroform	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.77 U	0.72 U	0.74 U	0.74 U	0.74 U
Dichlorodifluoromethane	2.4	2.4	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.4	2.3
cis-1,2-Dichloroethylene	0.14 U	0.17	0.14 U	0.15 U	0.15 U	0.14 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U
Ethyl acetate	1.8	1.8	1	2.8	0.82	1.2	0.77 U	0.92	0.74 U	0.74 U	0.71 U
Ethylbenzene	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.8	0.72 U	2.2	0.74 U	0.74 U
4-ethyltoluene	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.77 U	0.72 U	0.74 U	0.74 U	0.74 U
n-Heptane	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.77 U	0.72 U	0.74 U	0.74 U	0.74 U
n-Hexane	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.98	0.72 U	1.5	0.74 U	0.74 U
2-Propanol (Isopropyl Alcohol)	0.71 U	0.84	0.79	1	0.75 U	0.71 U	0.77 U	0.72 U	0.74 U	0.74 U	0.75
Propylene	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.91	0.72 U	1.6	0.74 U	0.81
Tetrachloroethene	0.14 U	0.15 U	0.14 U	0.15 U	0.15 U	0.14 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U
Tetrahydrofuran	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.77 U	0.75	0.74 U	0.74 U	0.74 U
Toluene	8.6	9.4	7.8	9.8	3.2	3.9	6.1	5	11	6.4	5.2
Trichloroethene	0.21	0.15 U	0.14 U	0.15 U	0.15 U	0.14 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U
Trichlorofluoromethane	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2
1,2,4-trimethylbenzene	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.78	0.72 U	1.6	0.74 U	0.74 U
1,3,5-trimethylbenzene	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.77 U	0.72 U	0.74 U	0.74 U	0.74 U
2,2,4-trimethylpentane	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	0.77 U	0.72 U	0.99	0.74 U	0.74 U
o-Xylene	0.71 U	0.73 U	0.71 U	0.77 U	0.75 U	0.71 U	1	0.72 U	3.1	0.74 U	0.74 U
m&p Xylenes	1.1	1.3	1.2	1.2	0.75 U	0.71 U	2.5	1.3	7.9	1.7	1.8

U - not detected



**Table 3**  
**Ambient Air Sampling Results**  
**July 2008**  
**Emerson Power Transmission**  
**Ithaca, New York**

<b>Sample ID:</b>	<b>UW-2AM</b>	<b>UW-2PM</b>	<b>UW-2AM</b>	<b>UW-2PM</b>	<b>UW-3AM</b>	<b>UW-3PM</b>	<b>UW-3AM</b>	<b>UW-3PM</b>	<b>UW-4AM</b>	<b>UW-4PM</b>	<b>UW-4PM DUP</b>
<b>Sample Type:</b>											
<b>Sampling Date:</b>	<b>07/08/08</b>	<b>07/08/08</b>	<b>07/09/08</b>	<b>07/09/08</b>	<b>07/08/08</b>	<b>07/08/08</b>	<b>07/09/08</b>	<b>07/09/08</b>	<b>07/09/08</b>	<b>07/09/08</b>	<b>07/09/08</b>
<b>VOCs (µg/m3)</b>											
Acetone	17	12	13	12	25	15	13	19	11	14	9.6
Benzene	0.8 U	1.3	1.1	1.5	0.77 U	0.77 U	0.62 U	5.2	0.76 U	0.89	0.85
2-Butanone	2	1.8	1.4	1.6	2.1	2.5	1.5	1.8	1.8	1.6	1.2
Carbon tetrachloride	0.42	0.43	0.41	0.44	0.43	0.45	0.37	0.41	0.41	0.39	0.37
Chloroform	0.8 U	0.65 U	0.75 U	0.76	0.77 U	0.77 U	0.62 U	0.69 U	0.76 U	0.7 U	0.69 U
Dichlorodifluoromethane	2.3	2.4	2.3	2.3	2.3	2.3	2.1	2.3	2.3	2.4	2.3
cis-1,2-Dichloroethylene	0.16 U	0.13 U	0.15 U	0.14 U	0.15 U	0.15 U	0.12 U	0.17	0.15 U	0.14 U	0.14 U
Ethyl acetate	1	3.4	0.75 U	0.74	0.77 U	2.5	0.62 U	0.79	0.87	0.7 U	0.76
Ethylbenzene	0.8 U	1	0.86	0.86	0.77 U	0.77 U	0.62 U	2.7	0.76 U	0.7 U	0.69 U
4-ethyltoluene	0.8 U	0.65 U	0.75 U	0.72 U	0.77 U	0.77 U	0.62 U	0.93	0.76 U	0.7 U	0.69 U
n-Heptane	0.8 U	0.65 U	0.75 U	0.72 U	0.77 U	0.77 U	0.62 U	1.6	0.76 U	0.7 U	0.69 U
n-Hexane	0.8 U	0.65 U	0.75 U	1	0.77 U	0.77 U	0.62 U	3.7	0.76 U	0.7 U	0.69 U
2-Propanol (Isopropyl Alcohol)	0.8 U	0.92	0.75 U	0.72 U	0.82	1.1	0.62 U	0.69 U	0.76 U	0.7 U	0.69 U
Propylene	0.8 U	0.89	0.95	0.97	0.77 U	0.77 U	0.62 U	2.4	0.76 U	0.7 U	0.69 U
Tetrachloroethene	0.16 U	0.13 U	0.15 U	0.14 U	0.15 U	0.15 U	0.12 U	0.16	0.15 U	0.14 U	0.14 U
Tetrahydrofuran	0.8 U	0.65 U	0.75 U	0.72 U	0.77 U	0.77 U	0.62 U	0.69 U	0.76 U	0.7 U	0.69 U
Toluene	12	13	5.8	7.2	7.3	9.7	2.9	16	2.6	5.2	5.7
Trichloroethene	0.16 U	0.13 U	0.15 U	0.14 U	0.15 U	0.15 U	0.12 U	0.14 U	0.15 U	0.14 U	0.14 U
Trichlorofluoromethane	1.2	1.3	1.1	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2
1,2,4-trimethylbenzene	0.8 U	0.73	0.96	0.84	0.77 U	0.77 U	0.62 U	3.5	0.76 U	0.7 U	0.69 U
1,3,5-trimethylbenzene	0.8 U	0.65 U	0.75 U	0.72 U	0.77 U	0.77 U	0.62 U	0.92	0.76 U	0.7 U	0.69 U
2,2,4-trimethylpentane	0.8 U	0.65 U	0.75 U	0.72 U	0.77 U	0.77 U	0.62 U	3.2	0.76 U	0.7 U	0.69 U
o-Xylene	0.8 U	0.97	1.1	1.1	0.77 U	0.77 U	0.62 U	3.9	0.76 U	0.7 U	0.72
m&p Xylenes	1.9	2.7	2.9	2.9	1.9	1.3	1.2	10	0.76 U	1.8	1.8

U - not detected

Table 4

**Upwind/Downwind Comparison - Ambient Air Data  
July 2008  
Emerson Power Transmission  
Ithaca, New York**

Ratios (Upwind/Downwind)  Compound	UW-1 to DW-1 07/08/08		UW-2 to DW-1 07/08/08		UW-3 to DW-1 07/08/08		UW-3 to DW-2 07/08/08		UW-2 to DW-3 07/09/08		UW-3 to DW-2 07/09/08		UW-4 to DW-2 07/09/08	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
	Acetone	0.65	1.36	0.85	0.86	1.25	1.07	1.67	1.00	1.18	0.92	1.00	0.31	0.85
Benzene	1.04	1.14	1.13	1.78	1.08	1.05	1.08	1.00	1.53	0.60	0.83	4.00	1.01	0.68
2-Butanone	0.94	1.33	1.11	0.86	1.17	1.19	0.91	1.32	0.67	1.45	1.36	1.00	1.64	0.89
Carbon tetrachloride	1.02	0.98	1.02	0.96	1.05	1.00	1.05	1.00	0.93	1.05	0.84	1.05	0.93	1.00
Chloroform	1.04	1.01	1.13	0.89	1.08	1.05	1.08	1.00	1.04	1.03	0.83	0.90	1.01	0.91
Dichlorodifluoromethane	1.00	0.96	0.96	1.00	0.96	0.96	1.00	1.00	1.00	1.00	0.88	1.00	0.96	1.04
cis-1,2-Dichloroethylene	1.07	0.88	1.14	0.76	1.07	0.88	1.07	1.00	1.07	0.93	0.80	1.13	1.00	0.93
Ethyl acetate	0.41	0.39	0.56	1.89	0.43	1.39	0.77	0.89	0.82	1.00	0.76	1.03	1.06	0.91
Ethylbenzene	1.04	1.01	1.13	1.37	1.08	1.05	1.08	1.00	1.19	0.39	0.83	3.38	1.01	0.88
4-ethyltoluene	1.04	1.01	1.13	0.89	1.08	1.05	1.08	1.00	1.04	0.97	0.83	1.21	1.01	0.91
n-Heptane	1.04	1.01	1.13	0.89	1.08	1.05	1.08	1.00	1.04	0.97	0.83	2.08	1.01	0.91
n-Hexane	1.04	1.01	1.13	0.89	1.08	1.05	1.08	1.00	1.04	0.67	0.83	3.78	1.01	0.71
2-Propanol (Isopropyl Alcohol)	1.04	0.89	1.13	1.10	1.15	1.31	1.04	1.10	1.04	0.97	0.83	0.90	1.01	0.91
Propylene	1.04	1.11	1.13	1.22	1.08	1.05	1.08	1.00	1.32	0.61	0.83	2.64	1.01	0.77
Tetrachloroethene	1.07	1.00	1.14	0.87	1.07	1.00	1.07	1.00	1.07	0.93	0.80	1.07	1.00	0.93
Tetrahydrofuran	1.04	1.01	1.13	0.89	1.08	1.05	1.08	1.00	1.00	0.97	0.83	0.90	1.01	0.91
Toluene	0.74	0.55	1.40	1.38	0.85	1.03	0.94	0.99	1.16	0.65	0.91	2.62	0.81	0.85
Trichloroethene	0.71	1.00	0.76	0.87	0.71	1.00	1.07	1.00	1.07	0.93	0.80	0.93	1.00	0.93
Trichlorofluoromethane	1.00	1.00	1.00	1.08	1.00	1.00	1.00	1.00	0.85	1.00	0.92	1.00	1.00	1.00
1,2,4-trimethylbenzene	1.04	1.01	1.13	1.00	1.08	1.05	1.08	1.00	1.33	0.53	0.83	4.49	1.01	0.90
1,3,5-trimethylbenzene	1.04	1.01	1.13	0.89	1.08	1.05	1.08	1.00	1.04	0.97	0.83	1.19	1.01	0.91
2,2,4-trimethylpentane	1.04	1.01	1.13	0.89	1.08	1.05	1.08	1.00	1.04	0.73	0.83	4.16	1.01	0.91
o-Xylene	1.04	1.01	1.13	1.33	1.08	1.05	1.08	1.00	1.53	0.35	0.83	3.90	1.01	0.70
m&p Xylenes	1.55	1.38	1.73	2.08	1.73	1.00	1.58	1.08	2.23	0.37	1.60	4.00	1.01	0.72

AM - morning sampling; PM - afternoon sampling



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## Appendix A – Analytical Results (CD)

