Data Update for Mt. Tom, Holyoke, MA
October 2005

Prepared for
Massachusetts Technology Collaborative
75 North Drive, Westborough, MA 01581

By Melissa Ray

Monthly Data Summary for October 2005
This update summarizes the monthly data results for the Mt. Tom monitoring site in Holyoke, MA, at 42° 14' 59.2" N, 72° 38' 42.2" W (NAD 27). More information on the sensors and site can be found at http://www.ceere.org/rerl/rerl_resourcedata.html.

<table>
<thead>
<tr>
<th>Height</th>
<th>Wind Speed</th>
<th>Turbulence Intensity</th>
<th>Prevailing Wind Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 m</td>
<td>5.6</td>
<td>18.3</td>
<td>0.25</td>
</tr>
<tr>
<td>37 m</td>
<td>--</td>
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</tbody>
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More than 10% of the October 2005 data at 37 m were flagged for icing, so the monthly summary data for the 37 m sensors has not been reported.

The data can be found at the Renewable Energy Research Laboratory web site: http://www.ceere.org/rerl/rerl_resourcedata.html.

Data Recovery
All raw wind data are subjected to a series of tests and filters to identify data that are faulty or corrupted. The gross percentage of data recovered (ratio of the number of raw data points received to data points expected) and net data recovered (ratio of raw data points which passed all QA control tests to data points expected) are shown below.

<table>
<thead>
<tr>
<th>Gross Data Recovered [%]</th>
<th>99.98</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Data Recovered [%]</td>
<td>93.99</td>
</tr>
</tbody>
</table>

The gross percentage of data recovered is less than 100% because the data card was manually swapped on October 28, 2005. Due to 767 hours of icing for the 37 m sensors, the net percentage of data recovered is only 93.99%.
Maintenance Issues and Changes to Site Configuration
The following maintenance/equipment problems occurred during October 2005, and the following corrective action was taken:

- The data was successfully downloaded when the logger cell phone called in on October 5, 2005, however subsequent October download attempts were unsuccessful. For this reason, the data card was manually swapped on October 28, 2005. The remainder of the October data was successfully downloaded via a logger cell phone call on November 16, 2005.

Monthly Data Time Series
Seen below is a graph of wind speed at Mt. Tom for the month of October 2005, at the anemometer height of 24 m.