## Random Samplings

Performance Data from the University of Delaware's Wind Turbine Website

http://www.ceoe.udel.edu/lewesturbine/index.shtml

Start Date: 8/3/14

| Date & Time     | Output                           | % of     |
|-----------------|----------------------------------|----------|
| 0.40            |                                  | Capacity |
| 8/3<br>1:30 PM  | Wind speed: 7 mph                | 2.3      |
| 1.001 1.1       |                                  |          |
|                 | Wind direction:                  |          |
|                 | Rotor rotational speed: 10.2 rpm |          |
|                 | Rotor rotational speed: rpm      |          |
|                 | Power output: 47.3 kW            |          |
| 8/3             |                                  | 3.3      |
| 9:24 PM         | Wind speed: 7 mph                | 0.0      |
|                 | What the SE                      |          |
|                 | Wind direction:                  |          |
|                 | Rotor rotational speed: 10.2 rpm |          |
|                 | Totalional speed.                |          |
|                 | Power output: 72.1 kW            |          |
| 8/4             | Wind speed: mph                  | 0        |
| 2:58 PM         |                                  |          |
|                 | Wind direction:                  |          |
|                 |                                  |          |
|                 | Rotor rotational speed: 0.1 rpm  |          |
|                 |                                  |          |
| 0/5             | Power output: 6 kW               | 40.5     |
| 8/5<br>12:18 AM | Wind speed: 9 mph                | 10.5     |
| 12.107111       | SW SW                            |          |
|                 | Wind direction:                  |          |
|                 | 10.4                             |          |
|                 | Rotor rotational speed: 10.4 rpm |          |
|                 | Power output: 211.9 kW           |          |
| 8/5             | A                                | 0.4      |
| 4:30 AM         | Wind speed: mph                  |          |
|                 | Wind direction:                  |          |
|                 | wind direction.                  |          |
|                 | Rotor rotational speed: 10.4 rpm |          |
|                 |                                  |          |
|                 | Power output: 8.6 kW             |          |
|                 |                                  |          |
|                 |                                  |          |

| 8/5<br>5:35 AM            | Wind speed: mph                  | 0  |
|---------------------------|----------------------------------|----|
| NOTE: Blades spinning, no | Wind direction: NE               |    |
| power                     | Rotor rotational speed: 4 rpm    |    |
|                           | Power output: 0 kW               |    |
| 8/5<br>12:32 PM           | Wind speed: 4 mph                | .8 |
|                           | Wind direction: NE               |    |
|                           | Rotor rotational speed: 10.3 rpm |    |
|                           | Power output: 17.4 kW            |    |
| 8/5<br>7:16 PM            | Wind speed: mph                  | 0  |
|                           | Wind direction:                  |    |
|                           | Rotor rotational speed: 0.0 rpm  |    |
|                           | Power output: 0 kW               |    |
| 8/5<br>10:52 PM           | Wind speed: 11 mph               | 21 |
|                           | Wind direction:                  |    |
|                           | Rotor rotational speed: 11.9 rpm |    |
|                           | Power output: 418.6 kW           |    |
| 8/6<br>5:54 AM            | Wind speed: 9 mph                | 11 |
|                           | Wind direction: N                |    |
|                           | Rotor rotational speed: 10.3 rpm |    |
|                           | Power output: 225.9 kW           |    |

| 8/6<br>11:04 AM | Wind speed: 9 mph                | 13.3 |
|-----------------|----------------------------------|------|
|                 | Wind direction:                  |      |
|                 | Rotor rotational speed: 10.7 rpm |      |
|                 | Power output: 266.5 kW           |      |
| 8/6<br>5:36 PM  | Wind speed: 7 mph                | 5.6  |
|                 | Wind direction: NW               |      |
|                 | Rotor rotational speed: 10.2 rpm |      |
|                 | Power output: 113.5 kW           |      |
| 8/7<br>4:05 AM  | Wind speed: 9 mph                | 13   |
|                 | Wind direction: NW               |      |
|                 | Rotor rotational speed: 10.7 rpm |      |
|                 | Power output: 259.6 kW           |      |
| 8/8<br>2:38 AM  | Wind speed: 4 mph                | 1.2  |
|                 | Wind direction: NE               |      |
|                 | Rotor rotational speed: 10.3 rpm |      |
|                 | Power output: 23.4 kW            |      |
| 8/8<br>1:02 PM  | Wind speed: 4 mph                | 0    |
|                 | Wind direction: NE               |      |
|                 | Rotor rotational speed: 10.8 rpm |      |
|                 | Power output: 0 kW               |      |
|                 |                                  |      |

| 8/9<br>1:06 AM     | Wind speed: mph                  | 0   |
|--------------------|----------------------------------|-----|
|                    | Wind direction:                  |     |
|                    | Rotor rotational speed: 0.0 rpm  |     |
|                    | Power output: 0 kW               |     |
| 8/9<br>6:13 AM     | Wind speed: 2 mph                | 0   |
|                    | Wind direction:                  |     |
|                    | Rotor rotational speed: 10.1 rpm |     |
|                    | Power output: 0 kW               |     |
| 8/9<br>12:48 PM    | Wind speed: 0 mph                | 0   |
|                    | Wind direction:                  |     |
|                    | Rotor rotational speed: 0.0 rpm  |     |
|                    | Power output: 0 kW               |     |
| 8/10/14<br>5:24 AM | Wind speed: 4 mph                | 3.4 |
|                    | Wind direction: NW               |     |
|                    | Rotor rotational speed: 10.3 rpm |     |
|                    | Power output: 68.3 kW            |     |
| 8/10/14<br>1:18 PM | Wind speed: 4 mph                | 0   |
|                    | Wind direction: NW               |     |
|                    | Rotor rotational speed: 0.0 rpm  |     |
|                    | Power output: 0 kW               |     |

| 8/11<br>12:18 PM | Wind speed: 4 mph  Wind direction: S  Rotor rotational speed: 10.3 rpm  Power output: 48.8 kW  | 2.4  |
|------------------|--|------|
| 8/11<br>11:51 AM | Wind speed:  Wind direction:  SE  Rotor rotational speed:  Power output:  10.8  rpm  203.4  kW | 10.1 |
| 8/12<br>5:42AM   | Wind speed:  Wind direction:  Rotor rotational speed:    12 mph                                | 17   |
| 8/12<br>1:42 PM  | Wind speed:  SE  Wind direction:  Rotor rotational speed:  16.7 rpm  Power output:  1814. kW   | 91   |

| 8/12/14             | 13                               | 16.2 |
|---------------------|----------------------------------|------|
| 11:25 PM            | Wind speed: mph                  |      |
|                     | NW NW                            |      |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 10.5 rpm |      |
|                     | Power output: 324.4 kW           |      |
|                     |                                  |      |
| 8/13/14             | 7                                | 4.6  |
| 5:29 AM             | Wind speed: 7 mph                |      |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 10.4 rpm |      |
|                     | Power output: 91.9 kW            |      |
|                     |                                  |      |
| 8/13/14<br>12:50 PM | Wind speed: mph                  | 35   |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 14.4 rpm |      |
|                     | Power output: 697.5 kW           |      |
| 8/15/14<br>1:30 AM  | Wind speed: mph                  | 29   |
|                     | Wind direction: NW               |      |
|                     | Rotor rotational speed: 13.5 rpm |      |
|                     | Power output: 578.3 kW           |      |
|                     |                                  |      |

| 8/14 1:37 PM  Wind speed: 9 mph  Wind direction: W  Rotor rotational speed: 10.3 rpm  Power output: 85.4 kW   Wind speed: 4 mph  Wind direction: N  Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW   8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  Rotor rotational speed: 10.7 rpm  Power output: 0 mph  Wind speed: 0 mph  Wind speed: 0 mph  Wind direction: NW | Date & Time | % of     |
|--|-------------|----------|
| 1:37 PM  Wind speed: mph  Wind direction: W  Rotor rotational speed: 10.3 rpm  Power output: 85.4 kW   8/15 3:25 AM  Wind speed: 4 mph  Wind direction: N  Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW   8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             | Capacity |
| Rotor rotational speed: 10.3 rpm  Power output: 85.4 kW   8/15 3:25 AM  Wind speed: 4 mph  Wind direction: N  Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW   8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph   |             | 4.3      |
| Rotor rotational speed: 10.3 rpm  Power output: 85.4 kW   Wind speed: 4 mph  Wind direction: N  Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW   8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph   | 1.57 1 101  |          |
| 8/15 3:25 AM  Wind speed: 4 mph  Wind direction: N  Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW   8/15 12 PM  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| 8/15 3:25 AM  Wind speed: 4 mph  Wind direction: N  Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW   8/15 12 PM  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| 8/15 3:25 AM  Wind speed: 4 mph  Wind direction: N  Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW  8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| 8/15 3:25 AM  Wind speed: 4 mph  Wind direction: N  Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW   8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph   |             |          |
| 8/15 3:25 AM  Wind direction:  Rotor rotational speed:  10.3 rpm  Power output:  109.3 kW   8/15 12 PM  Wind speed:  Rotor rotational speed:  Wind direction:  W  Rotor rotational speed:  10.7 rpm  Power output:  0 kW  8/15 7:30 PM  Wind speed:  0 mph   |             |          |
| 8/15 3:25 AM  Wind direction:  Rotor rotational speed:  10.3 rpm  Power output:  109.3 kW   8/15 12 PM  Wind speed:  Rotor rotational speed:  Wind direction:  W  Rotor rotational speed:  10.7 rpm  Power output:  0 kW  8/15 7:30 PM  Wind speed:  0 mph   |             |          |
| 3:25 AM  Wind direction:  Rotor rotational speed:  10.3 rpm  Power output:  109.3 kW   8/15 12 PM  Wind speed:  Rotor rotational speed:  Rotor rotational speed:  Power output:  W  Rotor rotational speed:  N  Rotor rotational speed:  N  Wind speed:  O  N  N  N  O  N  N  N  N  N  N  N  N   |             | 5.5      |
| Wind direction:  Rotor rotational speed:  10.3 rpm  Power output:  Wind speed:  Wind direction:  W  Rotor rotational speed:  Rotor rotational speed:  Power output:  W  Wind speed:  W  Rotor rotational speed:  N  W  N  N  N  N  N  N  N  N  N  N  N   |             |          |
| Rotor rotational speed: 10.3 rpm  Power output: 109.3 kW   8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  O  | J.23 AW     |          |
| 8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| 8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| 8/15 12 PM  Wind speed: 7 mph  Wind direction: W  Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| Wind speed:mph  Wind speed:mph  Wind direction:  |             |          |
| Wind speed:mph  Wind speed:mph  Wind direction:  |             |          |
| Wind direction:  Rotor rotational speed:  Power output:  Wind speed:  Wind speed:  Wind speed:  Wind speed:  Wind speed:  Omph   |             | 0        |
| Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  | 12 PM       |          |
| Rotor rotational speed: 10.7 rpm  Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| Power output: 0 kW  8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| 8/15 7:30 PM  Wind speed: 0 mph  |             |          |
| 7:30 PM  |             |          |
| 7.30 FIVI  |             | 0        |
| Wind direction:  | 1.30 PIVI   |          |
|  |             |          |
|  |             |          |
| Rotor rotational speed: 6.6 rpm  |             |          |
|  |             |          |
| Power output: 0 kW   |             |          |
|  |             |          |

| 8/16/<br>3 AM     | Wind speed: 7 mph                | 8.9 |
|-------------------|----------------------------------|-----|
|                   | Wind direction:                  |     |
|                   | Rotor rotational speed: 10.3 rpm |     |
|                   | Power output: 177.1 kW           |     |
| 8/16/<br>11:52 AM | Wind speed: 4 mph                | 3.3 |
|                   | Wind direction: SE               |     |
|                   | Rotor rotational speed: 10.3 rpm |     |
|                   | Power output: 65.9 kW            |     |
| 8/17<br>7:20 AM   | Wind speed: mph                  | 20  |
|                   | Wind direction:                  |     |
|                   | Rotor rotational speed: 12.0 rpm |     |
|                   | Power output: 392.1 kW           |     |
| 8/17<br>3:35 PM   | Wind speed: 7 mph                | 0.4 |
|                   | Wind direction: NW               |     |
|                   | Rotor rotational speed: 10.2 rpm |     |
|                   | Power output: 8.6 kW             |     |
|                   |                                  |     |

| 8/17<br>11:31 PM | Wind speed: 4 mph                | 0.3 |
|------------------|----------------------------------|-----|
|                  | Wind direction:                  |     |
|                  | Rotor rotational speed: 10.3 rpm |     |
|                  | Power output: 6.8 kW             |     |
| 8/18<br>10:43 PM | Wind speed: mph                  | 0   |
|                  | Wind direction: NE               |     |
|                  | Rotor rotational speed: 10.1 rpm |     |
|                  | Power output: 0 kW               |     |
| 8/19<br>3:48 PM  | Wind speed: 7 mph                | 0   |
|                  | Wind direction: NE               |     |
|                  | Rotor rotational speed: 0.1 rpm  |     |
|                  | Power output: 0 kW               |     |
| 8/19<br>11:22 PM | Wind speed: 7 mph                | 7.3 |
|                  | Wind direction:                  |     |
|                  | Rotor rotational speed: 10.3 rpm |     |
|                  | Power output: 146.0 kW           |     |
|                  |                                  |     |

| 8/19                               | Wind speed: 9 mph                | 11.2 |
|------------------------------------|----------------------------------|------|
| 12:30 PM                           |                                  |      |
|                                    | Wind direction:                  |      |
|                                    | Rotor rotational speed: 10.4 rpm |      |
|                                    | Power output: 224.0 kW           |      |
| 8/20<br>12:06 AM                   | Wind speed: 7 mph                | 8.3  |
|                                    | Wind direction:                  |      |
|                                    | Rotor rotational speed: 10.4 rpm |      |
|                                    | Power output: 166.6 kW           |      |
| 8/20/14<br>Full Day                | Wind speed: NA mph               | 0    |
| Probably shut down for maintenance | Wind direction: N/A              |      |
| maintenance                        | Rotor rotational speed: N/A rpm  |      |
|                                    | Power output: N/A kW             |      |
| 8/20/14<br>5:32 PM                 | Wind speed: mph                  | 0%   |
|                                    | Wind direction: NW               |      |
|                                    | Rotor rotational speed: 0.0 rpm  |      |
|                                    | Power output: 0.0 kW             |      |
|                                    |                                  |      |

| 8/21/14<br>11:19 AM | Wind speed: 0 mph                | 0    |
|---------------------|----------------------------------|------|
|                     | Wind direction: NW               |      |
|                     | Rotor rotational speed: 0.0 rpm  |      |
|                     | Power output: 0.0 kW             |      |
| 8/22<br>3:19 PM     | Wind speed: 9 mph                | 0    |
|                     | Wind direction: NW               |      |
|                     | Rotor rotational speed: 0.1 rpm  |      |
|                     | Power output: 0 kW               |      |
| 8/23/14<br>1 AM     | Wind speed: 13 mph               | 13.2 |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 11.1 rpm |      |
|                     | Power output: 265.5 kW           |      |
| 8/23/14             | Wind speed: 13 mph               | 21.7 |
| 6:11 AM             |                                  |      |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 12.3 rpm |      |
|                     | Power output: 434.7 kW           |      |
|                     |                                  |      |
|                     |                                  |      |

| 8/24/14<br>5:23 AM  | Wind speed: 13 mph               | 22.6 |
|---------------------|----------------------------------|------|
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 12.3 rpm |      |
|                     | Power output: 452.5 kW           |      |
| 8/24/14<br>12:43 PM | Wind speed: 16 mph               | 39   |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 13.9 rpm |      |
|                     | Power output: 787.7 kW           |      |
| 8/25/14<br>1:24 AM  | Wind speed: 13 mph               | 17   |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 11.5 rpm |      |
|                     | Power output: 342.0 kW           |      |
| 8/25/14<br>4:47 PM  | Wind speed: 9 mph                | 4.3  |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 10.3 rpm |      |
|                     | Power output: 85.0 kW            |      |
| 8/25/14<br>11:25 PM | Wind speed: 2 mph                | 0    |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 6.9 rpm  |      |
|                     | Power output: 0 kW               |      |

| 8/26/14<br>10:25 AM | Wind speed: 7 mph                | 0     |
|---------------------|----------------------------------|-------|
|                     | Wind direction:                  |       |
|                     | Rotor rotational speed: 0.5 rpm  |       |
|                     | Power output: 0 kW               |       |
| 8/27/14<br>12:14 AM | Wind speed: mph                  | 0     |
|                     | Wind direction: NW               |       |
|                     | Rotor rotational speed: 0.0 rpm  |       |
|                     | Power output: 0 kW               |       |
| 8/27/14<br>6:24 AM  | Wind speed: 7 mph                | 0     |
|                     | Wind direction:                  |       |
|                     | Rotor rotational speed: 1.9 rpm  |       |
|                     | Power output: 0 kW               |       |
| 8/27/14<br>12:35 PM | Wind speed: 7 mph                | 0     |
|                     | Wind direction: N                |       |
|                     | Rotor rotational speed: 3.1 rpm  |       |
|                     | Power output: 0 kW               |       |
| 8/27/14<br>8:30 PM  | Wind speed: 11 mph               | 12.75 |
|                     | Wind direction:                  |       |
|                     | Rotor rotational speed: 10.3 rpm |       |
|                     | Power output: 254.8 kW           |       |

| 8/28/14          | Wind speed: 13 mph               | 30   |
|------------------|----------------------------------|------|
| 12:51 PM         |                                  |      |
|                  | Wind direction:                  |      |
|                  | Rotor rotational speed: 13.2 rpm |      |
|                  | Rotor rotational speed: rpm      |      |
|                  | Power output: 597.1 kW           |      |
| 8/29/14          | Wind speed: 22 mph               | 73.8 |
| 1L30 AM          |                                  |      |
|                  | Wind direction:                  |      |
|                  | Rotor rotational speed: 16.8 rpm |      |
|                  |                                  |      |
|                  | Power output: 1476. kW           |      |
| 8/29/14<br>6 AM  | Wind speed: mph                  | 15.6 |
| O AIVI           | NE NE                            |      |
|                  | Wind direction:                  |      |
|                  | Rotor rotational speed: 11.4 rpm |      |
|                  |                                  |      |
| 0/00/44          | Power output: 312.3 kW           | 0.4  |
| 8/29/14<br>12:05 | Wind speed: 7 mph                | 6.4  |
|                  | NE NE                            |      |
|                  | Wind direction:                  |      |
|                  | Rotor rotational speed: 10.3 rpm |      |
|                  |                                  |      |
|                  | Power output: 12.7 kW            |      |
|                  |                                  |      |
| 8/29/14<br>10:54 | Wind speed: mph                  | 11.3 |
|                  | SE SE                            |      |
|                  | Wind direction:                  |      |
|                  | Rotor rotational speed: 10.3 rpm |      |
|                  |                                  |      |
|                  | Power output: 226.1 kW           |      |

| 8/30/14<br>6:30 AM  | Wind speed: 9 mph                | 20.5 |
|---------------------|----------------------------------|------|
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 10.3 rpm |      |
|                     | Power output: 41.3 kW            |      |
| 8/30/14<br>1:50 PM  | Wind speed: 11 mph               | 10.6 |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 10.2 rpm |      |
|                     | Power output: 210.5 kW           |      |
| 8/30/14<br>11:06 PM | Wind speed: 11 mph               | 20.6 |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 12.0 rpm |      |
|                     | Power output: 413.6 kW           |      |
| 8/31/14<br>12:24 PM | Wind speed: 11 mph               | 20.7 |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 11.5 rpm |      |
|                     | Power output: 414.4 kW           |      |
| 9/1<br>1:14 AM      | Wind speed: 16 mph               | 25.6 |
|                     | Wind direction:                  |      |
|                     | Rotor rotational speed: 13.3 rpm |      |
|                     | Power output: 512.7 kW           |      |

| 9/1<br>6:45 AM                 | Wind speed: 7 mph                | 0    |
|--------------------------------|----------------------------------|------|
|                                | Wind direction:                  |      |
|                                | Rotor rotational speed: 1.1 rpm  |      |
|                                | Power output: 0 kW               |      |
| 9/1<br>11:45 AM                | Wind speed: 7 mph                | 0    |
|                                | Wind direction:                  |      |
|                                | Rotor rotational speed: 9.0 rpm  |      |
|                                | Power output: 0 kW               |      |
| 9/2<br>5:15 AM                 | Wind speed: 13 mph               | 26.3 |
|                                | Wind direction:                  |      |
|                                | Rotor rotational speed: 13.8 rpm |      |
|                                | Power output: 572.7 kW           |      |
| 9/2<br>11:57 AM                | Wind speed: 9 mph                | 7.5  |
|                                | Wind direction:                  |      |
|                                | Rotor rotational speed: 10.2 rpm |      |
|                                | Power output: 147.9 kW           |      |
| 9/3<br>2:40 AM                 | Wind speed: mph                  | 103  |
| Frontal system passing through | Wind direction:                  |      |
|                                | Rotor rotational speed: 16.6 rpm |      |
|                                | Power output: 2056. kW           |      |
|                                |                                  |      |

| 9/3<br>3:00 PM  | Wind speed: 2 mph                | 0    |
|-----------------|----------------------------------|------|
|                 | Wind direction:                  |      |
|                 | Rotor rotational speed: 5.9 rpm  |      |
|                 | Power output: 0 kW               |      |
| 9/3<br>11:59 PM | Wind speed: mph                  | 7.5  |
|                 | Wind direction:                  |      |
|                 | Rotor rotational speed: 10.3 rpm |      |
|                 | Power output: 149.2 kW           |      |
| 9/4<br>11:09 AM | Wind speed: 9 mph                | 2.8  |
|                 | Wind direction:                  |      |
|                 | Rotor rotational speed: 10.3 rpm |      |
|                 | Power output: 56.8 kW            |      |
| 9/4<br>11:55 PM | Wind speed: 11 mph               | 16.4 |
|                 | Wind direction:                  |      |
|                 | Rotor rotational speed: 11.3 rpm |      |
|                 | Power output: 328.0 kW           |      |
| 9/5<br>11:25 AM | Wind speed: 4 mph                | 0    |
|                 | Wind direction:                  |      |
|                 | Rotor rotational speed: 7.7 rpm  |      |
|                 | Power output: 0 kW               |      |

| 9/5<br>3:20 PM | Wind speed: 16 mph               | 37.4 |
|----------------|----------------------------------|------|
|                | Wind direction: SW               |      |
|                | Rotor rotational speed: 15.0 rpm |      |
|                | Power output: 748.1 kW           |      |