



### **Manual Wind Curtailment Constraints**

**Reporting period:**

**Year:** 2012

**Month:** April

| Constraint Name                            | Curtailment Hours (Last Month) | Curtailment Hours (YTD) |
|--------------------------------------------|--------------------------------|-------------------------|
| Honey Creek – South Prairie 69 kV (NIPS)   | 14                             | 1130                    |
| Monticello – E Winamac 138 kV (NIPS)       | 62                             | 351                     |
| Bush – Cumberland 138 kV (CIN)             | 35                             | 351                     |
| Marshalltown - Blainstown 115 kV (ALTW)    | 7                              | 325                     |
| Dundee – Aurora 69 kV (ALTW)               |                                | 266                     |
| Paxton-Watseka 138 kV (AMIL)               | 111                            | 251                     |
| FG 5228 IaScLkNaSjHa (SPP)                 |                                | 107                     |
| Ellendale - Steele Center 69 kV (ALTW)     | 4                              | 104                     |
| Madelia - Madelia Village 69 kV (ALTW/NSP) |                                | 91                      |
| Square Butte-Arrowhead Bi Pole Outage (MP) |                                | 80                      |
| Dickinson County - Lakefield 161 kV (ALTW) | 73                             | 73                      |
| Langdon Area Voltage (OTP)                 | 72                             | 72                      |
| Boone Jct. TR92 161/69 kV (ALTW)           | 17                             | 70                      |
| Heron Lake – Fulda Jct. 69 kV (ALTW)       |                                | 68                      |
| Triboji-WPT2 69 kV (ALTW)                  | 34                             | 64                      |
| Glenworth TR1 161/69 kV (ALTW)             |                                | 46                      |
| Lime Creek – Emery 161 kV (ALTW)           | 25                             | 41                      |
| Rochester - Wabaco 161 kV (DPC)            |                                | 36                      |
| Lime Creek TR1 161/69 kV (ALTW)            | 26                             | 49                      |
| Wisdom-Spencer 161 kV (MEC)                |                                | 20                      |

\*Report shows the top 20 constraints year to date.