

**Manual Wind Curtailment Constraints****Reporting period:****Year:** 2012**Month:** December

Constraint Name	Curtailment Hours (Last Month)	Curtailment Hours (YTD)
Honey Creek – South Prairie 69 kV (NIPS)		1497
Bush – Cumberland-Layfayette 138 kV (CIN)	2	928
Monticello – E Winamac 138 kV (NIPS)		619
Marshalltown - Blainstown 115 kV (ALTW)		325
Triboji-WPT2 69 kV (ALTW)		313
Dundee – Aurora 69 kV (ALTW)	22	288
Paxton-Watseka 138 kV (AMIL)		251
Dickinson County - Lakefield 161 kV (ALTW)		133
Glenworth TR1 161/69 kV (ALTW)		123
FG 5228 IaScLkNaSjHa (SPP)		107
Boone Jct. TR92 161/69 kV (ALTW)		104
Ellendale - Steele Center 69 kV (ALTW)		104
Madelia - Madelia Village 69 kV (ALTW/NSP)		98
Red Stone - Tittabawasse 138 kV (CONS)		94
Fernald TR1 161/69 kV(ALTW)	29	92
Square Butte-Arrowhead Bi Pole Outage (MP)		81
Langdon Area Voltage (OTP)		72
Heron Lake – Fulda Jct. 69 kV (ALTW)		68
Goodland 138/69 kV (NIPS)		67
Lime Creek TR1 161/69 kV (ALTW)		59

*Report shows the top 20 constraints year to date.

'Curtailment Hours' represents the total number of hours one or more wind nodes were curtailed for the given constraint.