# New York State Wind Energy Generation by Project: 2009-2018

| *Wind power facility* | *County* | *Date in service* | *MWs Installed* | *2009 net energy (MWh)* | *2009 Capacity Factor* | *2010 net energy (MWh)* | *2010 Capacity Factor* | *2011 net energy (MWh)* | *2011 Capacity Factor* | *2012 net energy (MWh)* | *2012 Capacity Factor* | *2013 net energy (MWh)* | *2013 Capacity Factor* | *2014 net energy (MWh)* | *2014 Capacity Factor* | *2015 net energy (MWh)* | *2015 Capacity Factor* | *2016 net energy (MWh)* | *2016 Capacity Factor* | *2017 net energy (MWh)* | *2017 Capacity Factor* | *2018 net energy (MWh)* | *2018 Capacity Factor* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Madison Wind Power | Madison | 2000-09-01 | 11.55 | 19,700 | 19.5% | 18,000 | 17.8% | 21,700 | 21.4% | 19,000 | 18.8% | 20,500 | 20.3% | 21,000 | 20.8% | 19,700 | 19.5% | 20,000 | 19.8% | 20,800 | 20.6% | 18,700 | 18.5% |
| Western NY Wind Power | Wyoming | 2000-10-01 | 6.60 | 13,700 | 23.7% | 13,300 | 23.0% | 13,400 | 23.2% | 12,000 | 20.8% | 9,600 | 16.6% | 9,300 | 16.1% | 13,600 | 23.5% | 12,500 | 21.6% | 7,100 | 12.3% | 4,600 | 8.0% |
| Fenner Wind Power | Madison | 2001-12-01 | 30.00 | 68,600 | 26.1% | 26,100 | 9.9% | 66,000 | 25.1% | 59,000 | 22.5% | 68,300 | 26.0% | 66,800 | 25.4% | 67,400 | 25.6% | 62,400 | 23.7% | 44,400 | 16.9% | 54,500 | 20.7% |
| Maple Ridge 1 | Lewis | 2006-01-01 | 231.00 | 527,900 | 26.1% | 494,700 | 24.4% | 530,200 | 26.2% | 525,100 | 25.9% | 544,600 | 26.9% | 587,400 | 29.0% | 568,400 | 28.1% | 554,900 | 27.4% | 570,500 | 28.2% | 536,000 | 26.5% |
| Steel Wind | Erie | 2007-01-23 | 20.00 | 42,300 | 24.1% | 48,300 | 27.6% | 38,400 | 21.9% | 48,500 | 27.7% | 53,500 | 30.5% | 46,600 | 26.6% | 50,600 | 28.9% | 55,700 | 31.8% | 51,800 | 29.6% | 46,900 | 26.8% |
| Munnsville Wind Power | Madison | 2007-08-20 | 34.50 | 88,900 | 29.4% | 84,700 | 28.0% | 87,500 | 29.0% | 86,700 | 28.7% | 89,500 | 29.6% | 96,000 | 31.8% | 91,300 | 30.2% | 93,900 | 31.1% | 96,700 | 32.0% | 58,200 | 19.3% |
| Maple Ridge 2 | Lewis | 2007-12-01 | 90.80 | 203,400 | 25.6% | 193,600 | 24.3% | 202,100 | 25.4% | 201,300 | 25.3% | 209,200 | 26.3% | 225,800 | 28.4% | 217,000 | 27.3% | 212,000 | 26.7% | 218,600 | 27.5% | 203,200 | 25.5% |
| Noble Bliss Windpark, LLC | Wyoming | 2008-03-20 | 100.50 | 193,800 | 22.0% | 187,600 | 21.3% | 190,800 | 21.7% | 205,000 | 23.3% | 204,600 | 23.2% | 206,600 | 23.5% | 205,300 | 23.3% | 204,400 | 23.2% | 210,400 | 23.9% | 192,800 | 21.9% |
| Noble Ellenburg Wind, LLC | Clinton | 2008-03-31 | 81.00 | 161,700 | 22.8% | 157,500 | 22.2% | 167,900 | 23.7% | 157,800 | 22.2% | 164,400 | 23.2% | 176,600 | 24.9% | 173,500 | 24.5% | 168,800 | 23.8% | 173,200 | 24.4% | 144,000 | 20.3% |
| Noble Clinton Wind 1, LLC | Clinton | 2008-04-09 | 100.50 | 178,000 | 20.2% | 173,800 | 19.7% | 174,400 | 19.8% | 167,500 | 19.0% | 176,300 | 20.0% | 186,200 | 21.1% | 174,900 | 19.9% | 175,100 | 19.9% | 170,900 | 19.4% | 146,900 | 16.7% |
| Noble Altona Wind, LLC | Clinton | 2008-09-23 | 97.50 | 62,400 | 7.3% | 188,100 | 22.0% | 178,700 | 20.9% | 172,500 | 20.2% | 162,100 | 19.0% | 186,400 | 21.8% | 170,100 | 19.9% | 170,100 | 19.9% | 175,600 | 20.6% | 168,600 | 19.7% |
| Noble Chateaugay Wind, LLC | Franklin | 2008-10-07 | 106.50 | 72,200 | 7.7% | 192,200 | 20.6% | 201,800 | 21.6% | 191,800 | 20.6% | 188,500 | 20.2% | 200,500 | 21.5% | 211,400 | 22.7% | 209,600 | 22.5% | 208,500 | 22.3% | 190,900 | 20.5% |
| Canadaigua Wind Power (Cohocton/ Dutch Hill) | Steuben | 2008-12-05 | 125.00 | 198,900 | 18.2% | 258,500 | 23.6% | 242,400 | 22.1% | 247,000 | 22.6% | 240,900 | 22.0% | 259,500 | 23.7% | 261,000 | 23.8% | 258,700 | 23.6% | 264,600 | 24.2% | 245,500 | 22.4% |
| Noble Wethersfield Wind, LLC | Wyoming | 2008-12-11 | 126.00 | 92,700 | 8.4% | 255,400 | 23.1% | 256,600 | 23.2% | 249,300 | 22.6% | 263,400 | 23.9% | 267,800 | 24.3% | 264,200 | 23.9% | 264,800 | 24.0% | 272,100 | 24.7% | 257,300 | 23.3% |
| High Sheldon Wind Farm* | Wyoming | 2009-02-01 | 112.50 | 184,300 | 18.7% | 241,000 | 24.5% | 261,100 | 26.5% | 254,600 | 25.8% | 267,500 | 27.1% | 270,700 | 27.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| High Sheldon Wind (Exp) | Wyoming | 2009-02-01 | 112.50 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 258,400 | 26.2% | 267,600 | 27.2% | 268,400 | 27.2% | 247,700 | 25.1% |
| Hardscrabble Wind | Herkimer | 2011-02-01 | 74.00 | 0 | 0.0% | 0 | 0.0% | 147,700 | 22.8% | 172,100 | 26.5% | 181,100 | 27.9% | 184,300 | 28.4% | 183,500 | 28.3% | 182,000 | 28.1% | 177,600 | 27.4% | 176,800 | 27.3% |
| Howard Wind* | Steuben | 2011-12-01 | 51.30 | 0 | 0.0% | 0 | 0.0% | 6,500 | 1.4% | 115,100 | 25.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Howard Wind (Exp) | Steuben | 2011-12-01 | 55.40 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 134,100 | 27.6% | 133,000 | 27.4% | 128,900 | 26.6% | 133,800 | 27.6% | 133,900 | 27.6% | 125,100 | 25.8% |
| Erie Wind (Steel Wind II) | Erie | 2012-02-01 | 15.00 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 33,300 | 25.3% | 41,400 | 31.5% | 39,300 | 29.9% | 38,000 | 28.9% | 38,100 | 29.0% | 36,800 | 28.0% | 26,200 | 19.9% |
| Marble River Wind | Clinton | 2012-07-01 | 215.20 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 142,600 | 7.6% | 513,000 | 27.2% | 539,200 | 28.6% | 543,400 | 28.8% | 523,600 | 27.8% | 542,200 | 28.8% | 488,900 | 25.9% |
| Orangeville Wind Farm | Wyoming | 2013-12-01 | 93.90 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 8,300 | 1.0% | 274,100 | 33.3% | 286,900 | 34.9% | 265,000 | 32.2% | 279,900 | 34.0% | 289,600 | 35.2% |
| Marsh Hill Wind Farm | Steuben | 2014-12-01 | 16.20 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 8,800 | 6.2% | 56,300 | 39.7% | 55,000 | 38.8% | 48,800 | 34.4% | 46,400 | 32.7% |
| Jericho Rise Wind | Franklin | 2016-12-01 | 77.70 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 15,300 | 2.2% | 246,300 | 36.2% | 226,100 | 33.2% |
| Arkwright Summit Wind Farm | Arkwright | 2018-09-01 | 78.40 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 82,000 | 11.9% |
| Copenhagen Wind Farm | Copenhagen | 2018-12-01 | 79.90 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 8,200 | 1.2% |
| | TOTALS | | 1,979.65 | 2,108,500 | 18.9% | 2,532,800 | 22.7% | 2,787,200 | 23.6% | 3,060,200 | 24.7% | 3,540,800 | 24.7% | 3,985,900 | 26.3% | 3,983,800 | 26.1% | 3,943,300 | 25.9% | 4,219,100 | 26.4% | 3,985,100 | 24.4% |

| *Megawatts installed by year:* | | |
|---|---|---|
| *Year 2009* | *1,273.95* | *(Excludes projects after Sheldon)* |
| *Year 2010* | *1,273.95* | *(Excludes projects after Sheldon)* |
| *Year 2011* | *1,347.95* | *(Excludes projects after Hardscrabble)* |
| *Year 2012* | *1,414.25* | *(Excludes projects after Steel Winds II)* |
| *Year 2013* | *1,633.55* | *(Excludes projects after Marble River)* |
| *Year 2014* | *1,727.45* | *(Excludes projects after Orangeville)* |
| *Year 2015* | *1,743.65* | *(All projects with at least 1-full year of operation)* |
| *Year 2016* | *1,728.00* | *(All projects with at least 1-full year of operation)* |
| *Year 2017* | *1,821.35* | *(All projects with at least 1-full year of operation)* |
| *Year 2018* | *1,821.35* | *(All projects with at least 1-full year of operation)* |

* Howard Wind and High Sheldon data now incorporated into Expansion data for each

*Source: New York ISO Gold Book 2009-2018*

*Table update May 2018 by Llinowes, windaction.org*

| | | | | |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | | | |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |