Pennsylvania Wind Farms

Compiled February 2016; Updated August 27, 2020 by the Saint Francis University Institute for Energy

Farm Name	Parent Company ¹	Owner/Operator ¹	Municipalities ²	County ³	Turbine Count⁴	Turbine Manufacturer	Turbine Capacity (in Megawatts)	Farm Capacity
Somerset	Quinbrook Infrastructure Partners Ltd	GlidePath Power Solutions LLC	Somerset Township	Somerset	6	GE⁵	1.5 MW ⁵	9.0 MW⁵
Mill Run	Quinbrook Infrastructure Partners Ltd	GlidePath Power Solutions LLC	Springfield Township, Stewart Township	Fayette	10	GE ⁶	1.5 MW ⁶	15.0 MW ⁶
Waymart	Quinbrook Infrastructure Partners Ltd	GlidePath Power Solutions LLC	Canaan Township, Clinton Township	Wayne	43	GE ⁷	1.5 MW ⁷	64.5 MW ⁷
Meyersdale	Quinbrook Infrastructure Partners Ltd	GlidePath Power Solutions LLC	Summit Township	Somerset	20	NEG Micon ⁸	1.5 MW ⁸	30.0 MW ⁸
Bear Creek	Fortis Inc, Community Energy, Inc, OMERS Administration Corporation, JPMorgan Chase & Co. ⁹	Central Hudson Enterprises Corporation, Community Energy, Inc., Leeward Renewable Energy, LLC, JPMorgan Chase & Co. ⁹	Bear Creek Township	Luzerne	12	Gamesa ¹⁰	2.0 MW ¹⁰	24.0 MW ¹⁰
Locust Ridge I	Avangrid, Inc./Iberdrola, S.A. ¹¹	Avangrid Renewables, LLC ¹¹	Mahanoy Township, East Union Township	Schuylkill	13	Gamesa ¹²	2.0 MW ¹²	26.0 MW ¹²
Allegheny Ridge	OMERS Administration Corporation ¹³	Leeward Renewable Energy, LLC ¹³	Portage Township, Washington Township, Juniata Township, Greenfield Township	Cambria, Blair	40	Gamesa ¹⁴	2.0 MW ¹⁴	80.0 MW ¹⁴
Casselman	Avangrid, Inc./Iberdrola, S.A. ¹¹	Avangrid Renewables, LLC ¹¹	Black Township, Summit Township	Somerset	23	GE ¹⁵	1.5 MW ¹⁵	34.5 MW ¹⁵
Forward	Clearway Energy Group, LLC ¹⁶	Global Infrastructure Partners (GIP) 16	Shade Township	Somerset	14	Suzlon ¹⁷	2.1 MW ¹⁸	29.4 MW ¹⁷
Lookout	Clearway Energy Group, LLC ¹⁶	Global Infrastructure Partners (GIP) 16	Brothersvalley Township, Northampton Township	Somerset	18	Suzlon ¹⁹	2.1 MW ²⁰	37.8 MW ²⁰
Locust Ridge II	Avangrid, Inc./Iberdrola, S.A. ¹¹	Avangrid Renewables, LLC ¹¹	Conyngham Township, Union Township, Mahanoy Township, West Mahanoy Township	Columbia, Schuylkill	51	Gamesa ¹²	2.0 MW ¹²	102.0 MW ¹²
Highland	Oppidum Capital ²¹		Adams Township	Cambria	25	Nordex ²²	2.5 MW ²²	62.5 MW ²²
North Allegheny	Duke Energy Corporation	Duke Energy Renewables, Inc.	Cresson Township, Portage Township, Washington Township, Juniata Township,	Cambria, Blair	35	Gamesa ²³	2.0 MW ²³	70 MW ²³
Armenia Mountain	ALLETE, Inc.	ALLETE Clean Energy	Sullivan Township, Ward Township, Armenia Township	Tioga, Bradford	67	GE ²⁴	1.5 MW ²⁴	100.5 MW ²⁴
Stony Creek	RWE Group ²⁵	RWE Renewables America ²⁵	Shade Township, Stony Creek Township	Somerset	35	GE ²⁶	1.5 MW ²⁶	52.5 MW ²⁶
Chestnut Flats	EDF Group	EDF Renewable Energy, Inc.	Logan Township	Blair	19	Gamesa ²⁷	2.0 MW ²⁷	38 MW ²⁷
South Chestnut	Avangrid, Inc./Iberdrola, S.A. ¹¹	Avangrid Renewables, LLC ¹¹	Georges Township, Springhill Township, Wharton Township	Fayette	23	Gamesa ²⁸	2.0 MW ²⁸	46 MW ²⁸
Turkey Point Wind Project (Frey Farm Wind)	Energy Power Partners ²⁹		Manor Township	Lancaster	2	GE ³⁰	1.6 MW ³⁰	3.2 MW ³⁰
Highland North	BlackRock, Inc.	BlackRock, Inc.	Adams Township, Summerhill Township	Cambria	30	Nordex ³¹	2.5 MW ³¹	75 MW ³¹
Sandy Ridge	Algonquin Power & Utilities Group	Algonquin Power Fund (America) Inc.	Snyder Township, Taylor Township	Blair, Centre	25	Gamesa ³²	2.0 MW ³²	50 MW ³²
Twin Ridges	BlackRock, Inc.	BlackRock, Inc.	Northampton Township, Southampton Township, Larimer Township, Greenville Township	Somerset	68	Repower ³³	2.05 MW ³³	139.4 MW ³³
Laurel Hill	Duke Energy Corporation	Duke Energy Renewables, Inc.	Jackson Township, McIntyre Township	Lycoming	30	Siemens ³⁴	2.3 MW ³⁴	69.0 MW ³⁴
Patton	BlackRock, Inc.	BlackRock, Inc.	Elder Township, East Carroll Township, West Carroll Township	Cambria	15	Gamesa ³⁵	2.0 MW ³⁵	30.0 MW ³⁵
Mehoopany	AEP Renewables, BP Wind Energy ³⁶	AE Power Services LLC, a subsidiary of BP Wind Energy ³⁶	Forkston Township, Noxen Township, Eaton Township, Mehoopany Township	Wyoming	88	GE ³⁶	1.68 MW ³⁶	140.8 MW ³⁶
Ringer Hill	Skyline Renewables LLC ³⁷	SRIV Partnership, LLC ³⁷	Elk Lick Township	Somerset ³⁶	14 ³⁶	GE ³⁸	2.85 MW ³⁸	39.9 MW ³⁸
Big Level	TransAlta Corporation ³⁹	TransAlta Renewables ³⁹	Hector Township	Potter	25 ³⁹	GE ³⁹	3.6 MW ³⁹	90.0 MW ³⁹

Sources

1 Parent Company and Owner/Operator - Electric Power Outlook for Pennsylvania 2014-2019. August 2015 Published by Pennsylvania Public Utility Commission Technical Utility Services, Paul T. Diskin, Director. Prepared by David M. Washko, Reliability Engineer. Table C-2 pp. 55-59. Accessed online February 15, 2016 http://www.puc.state.pa.us/general/publications_reports/pdf/epo_2015.pdf and Electric Power Outlook for Pennsylvania 2018-2023. August 2019 Published by Pennsylvania Public Utility Commission Technical Utility Services, Paul T. Diskin, Director. Prepared by David M. Washko, Reliability Engineer. Table C-2 pp. 52-57. Accessed online August 24, 2020 http://www.puc.state.pa.us/General/publications_reports/pdf/EPO_2019.pdf. *Unless otherwise cited.

2 and 3 Municipalities and Counties - Data and imagery from Google Earth, KidWind, United States Geological Survey (USGS) windFarm, United States Fish and Wildlife Service (USFWS) through Federal Aviation Administration (FAA) wind turbine analysis, Saint Francis University (SFU) data and the Pennsylvania Department of Transportation (PennDOT) county and municipality lines accessed through the Pennsylvania Spatial Data Access (PASDA)

4 Turbine Count - A visual count was conducted using satellite imagery in Google Earth and ArcMap. The numbers were checked against other sources to confirm.

5 NextEra, "NextEra Somerset Wind Energy Center Fact Sheet," last accessed February 26, 2016, http://www.nexteraenergyresources.com/pdf_redesign/somerset.pdf.

6 NextEra, "NextEra Mill Run Wind Energy Center Fact Sheet," last accessed February 26, 2016, http://www.nexteraenergyresources.com/pdf_redesign/millrun.pdf.

7 NextEra, "NextEra Waymart Wind Energy Center Fact Sheet," last accessed February 26, 2016, http://www.nexteraenergyresources.com/content/where/portfolio/pdf/waymart.pdf.

8 NextEra, "NextEra Meyersdale Wind Energy Center Fact Sheet," last accessed February 29, 2016 http://www.nexteraenergyresources.com/pdf_redesign/meyersdale.pdf.

9 Electric Power Outlook for Pennsylvania 2014-2019 (source 1) and Leeward Energy, Inc., "Wind Asset Map," last accessed August 24, 2020, https://www.leewardenergy.com/windasset-map/.

10 Community Energy, "Bear Creek Wind Farm," last accessed February 29, 2016, https://www.communityenergyinc.com/wind-solar/wind/bear-creek-wind-farm/.

11 Avangrid Renewables, "Avangrid Renewables U.S. Operating Assets," last accessed August 24, 2020, https://www.avangridrenewables.com/wps/portal/aren/ourbusiness/

12 "Locust Ridge Wind Power Projects," last accessed February 29, 2016, http://iberdrolarenewables.us.files.s3.amazonaws.com/pdf/locust-ridge-fact-sheet.pdf.

13 Leeward Energy, Inc., "Wind Asset Map," last accessed August 24, 2020, https://www.leewardenergy.com/wind-asset-map/.

14 "Gamesa subscribes with firstenergy solutions the sale of the production, for 23 years, from its first wind farm on the Eastern Seaboard of the United States," accessed February 29, 2016, http://www.gamesacorp.com/en/communication/news/gamesa-subscribes-with-firstenergy-solutions-the-sale-of-the-production-for-23-years-from-its-first-wind-farm-on-the-eastern-seaboard-of-the-unit.html?idCategoria=0&especifica=0

15 "Casselman Wind Power Project," last accessed February 29, 2016, https://s3-us-west-2.amazonaws.com/iberdrola-pdfs/pdf/casselman-fact-sheet.pdf.

16 Clearway, "Our Projects," last accessed August 24, 2020, https://www.clearwayenergygroup.com/our-projects/.

17 "Forward Wind Farm," last accessed February 29, 2016, http://whiteconstruction.com/portfolio/item/forward-wind-farm-2/.

18 "PJM Generator Interconnection Request Queue #I13 & K13 Hooversville (Forward) 115 kV Facilities Study Report, "last accessed February 29, 2016, ftp://www.pjm.com/planning/project-queues/facilities/k13_fac.pdf;

19 "Lookout Wind Farm," last accessed February 29, 2016, http://whiteconstruction.com/portfolio/item/lookout-wind-farm/; individual turbine capacity calculated from other data provided.

20 Daily American, "Wind Farms Planned for County," July 25, 2007, accessed February 22, 2016 through Somerset Engineering's website as a saved pdf, http://www.somersetengineering.com/PressFiles/Forward_WindPower_Project.pdf.

21 S&P Global, "BlackRock completes sale of Pa. wind farm to Oppidum Capital," March 9, 2020, last accessed August 27, 2020, https://www.spglobal.com/marketintelligence/en/news-insights/latest-news-headlines/blackrock-completes-sale-of-pa-wind-farm-to-oppidum-capital-57482319.

22 "Highland Wind Farm, Cambria County, PA," last accessed February 29, 2016, http://everpower.com/highland-wind-farm-pa/.

23 "Power Up with Wind, North Allegheny Wind Farm, Portage, Pennsylvania," Fact Sheet by Duke Energy Generation Services.

24 RES Americas, "Armenia Mountain Wind," last accessed February 29, 2016, http://www.res-americas.com/en/portfolio/wind/constructed/armenia-mountain-wind.

25 RWE Renewables, "Our Projects in North America," last accessed August 27, 2020, https://americas.rwe.com/wind-power/wind-projects.

26 White Construction, "Stony Creek Wind Farm," last accessed February 29, 2016, http://whiteconstruction.com/portfolio/item/stony-creek-wind-farm/.

27 EDF Renewable Energy, "Chestnut Flats Wind Project, Project Profile," last accessed February, 29, 2016, http://www.edf-re.com/files/uploads/Chestnut_Flats_Profile_8-2012.pdf.

28 Iberdrola Renewables, "South Chestnut Wind Project," last accessed February 29, 2016, http://iberdrolarenewables.us/cs_southchestnut.html.

29 Lancaster Online, "Landmark wind turbines on Turkey Point, landfill power plant sold to California firm," A D Crable, July 1, 2015, last accessed February 26, 2016, http://lancasteronline.com/news/local/landmark-wind-turbines-on-turkey-point-landfill-power-plant-sold/article_80f0a9b6-202c-11e5-b4a6-efb9ecc064ef.html.

30 Turkey Hill Dairy, "Sustainability and environmental impact-reduction projects from Turkey Hill," last accessed February 29, 2016, https://www.turkeyhill.com/about/green.aspx. Calculated turbine capacity based on data provided and confirmed from other sources.

31 EverPower, "Highland North Wind Farm, Cambria County, PA," last accessed February 29, 2016, http://everpower.com/highland-north-wind-farm-pa/.

32 Algonquin Power Company, "Sandy Ridge," accessed February 29, 2016, http://algonquinpowercompany.com/assets/sandy-ridge/.

33 "Twin Ridges Wind Farm, Somerset County, PA," last accessed February 29, 2016, http://everpower.com/twin-ridges-wind-farm-pa/.

34 Duke Energy, "Duke Energy to Build Second Pennsylvania Wind Farm," Press Release, September 13, 2011, last accessed February 29, 2016, https://www.dukeenergy.com/commercial-renewables/laurel_hill.asp.

35 EverPower, "Patton Wind Farm, Cambria County, PA," last accessed February 29, 2016, http://everpower.com/patton-wind-farm-pa/.

36 AEP Renewables, "Mehoopany Wind," last accessed August 24, 2020, https://www.aeprenewables.com/mehoopany-wind/.

37 Enerknol, "NJR Clean Energy Wins FERC Approval for \$209 Million sale of Wind Portfolio," January 2, 2019, last accessed August 24, 2020, https://enerknol.com/njr-clean-energywins-ferc-approval-for-208-5-million-sale-of-wind-portfolio/. 38 NJR Clean Energy Ventures, "NJR Clean Energy Ventures Announces 39.9 Megawatt Onshore Wind Farm in Pennsylvania," February 2, 2016, last accessed November 4, 2016, http://www.njresources.com/news/releases/2016/njrcev/16-19RingerHillWindFarmFinal.asp.

39 TransAlta, "Big Level," 2018, last accessed August 24, 2020, https://transalta.com/facilities/plants-operation/big-level/.

*Disclaimer: The information in this document was compiled from publically available sources and may have changed since it was prepared. The Saint Francis University Institute for Energy may not be held responsible for inaccuracies. Please let the Institute know if you are aware of updated information.

Information Compiled by the Saint Francis University Institute for Energy 117 Evergreen Drive, P.O. Box 600, Loretto, PA 15940

814-472-2872 www.francis.edu/energy