Wisconsin Electric System

Major Generation, Transmission, and Substation Facilities

Lake Superior

Lake Michigan

Green Bay

Bayfront 67 MW

Flambeau Station 16 MW

Frederic Diesel 14 MW

Cumberland 22 MW

St Croix Falls 23 MW

Flambeau Hydroelectric Station 22 MW

Holcombe 34 MW

Cornell 35 MW

Jim Falls 50 MW

Chippewa Falls 22 MW

Wissota 40 MW

Wheaton 322 MW

Elk Mound 71 MW

Eau Claire Dells 11 MW

Rhinelander Mill 25 MW

Tomahawk Mill 19 MW

Grandfather Falls 17 MW

Weston 1163 MW

Mosinee Paper Mill 23 MW

Marshfield 55 MW

Biron Mill 62 MW

Wisconsin Rapids Pulp Mill 72 MW

Port Edwards Mill 14 MW

Nekoosa Mill 39 MW

Wisconsin Rapids Paper Mill 21 MW

Madgett 387 MW

Alma 136 MW

Arcadia 17 MW

Juneau 16 MW

Petenwell 20 MW

Castle Rock 15 MW

French Island 188 MW

Genoa 346 MW

Columbia 1023 MW

Prairie du Sac Hydroelectric Plant 31 MW

Nelson Dewey 200 MW

Little Quinnesec Falls Hydro Project 13 MW

Green Bay West Mill 129 MW

De Pere 187 MW

Pulliam 441 MW

Shirley Wind Farm 20 MW

Point Beach 1226 MW

Island Street Peaking Plant 60 MW

Fox Energy Center 620 MW

Kaukauna Gas & Diesel 18 MW

Kaukauna Paper Mill 45 MW

Neenah 37 MW

Manitowoc Lakeside 123 MW

Custer 24 MW

Blue Sky Green Field Wind Project 145 MW

South Fond du Lac 344 MW

Cedar Ridge Wind Farm 68 MW

Edgewater 710 MW

Sheboygan Energy Center 380 MW

Glacier Hills Wind Park 162 MW

Forward Wind Project 129 MW

Butler Ridge Wind Farm 54 MW

Port Washington 1182 MW

Concord 437 MW

Germantown 402 MW

Omega Hills/Orchard Ridge Gas Recovery 13 MW

Sycamore 42 MW

Blount Generating Station 100 MW

Nine Springs 16 MW

Portables 54 MW

West Campus Cogeneration Facility 169 MW

Fitchburg 58 MW

RockGen 561 MW

Montfort Wind Farm 30 MW

Milwaukee County 11 MW

MMSD-Jones Island WWTP 35 MW

Valley 275 MW

South Oak Creek 1192 MW

Elm Road Generating Station 1403 MW

Whitewater Cogen 284 MW

Sheepskin 40 MW

Waxdale 10 MW

Paris 437 MW

Rock River 144 MW

Riverside Energy Center 696 MW

Pleasant Prairie 1235 MW

West Marinette - WPS 167 MW

West Marinette - MGE 83 MW

Rosiere Wind Farm 11 MW

Transmission Lines

- 230 kV and Above
- 161 kV and Below
- Underground
- 345 kV Under Construction

Substations

- Substation
- Switching Stations, Switching Structures, and Taps

Operating Generation Plants by Major Fuel Source*

- Combustible Renewables
- Coal
- Fuel Oil
- Hydro
- Natural Gas
- Nuclear
- Wind

1 in = 29 miles

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N

0 20 40 80 Miles

* Large power plants include generation plants that are 10 MW or larger and utility-sized wind generation plants. Map labels identify the name-plate capacities of the generation facilities.

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