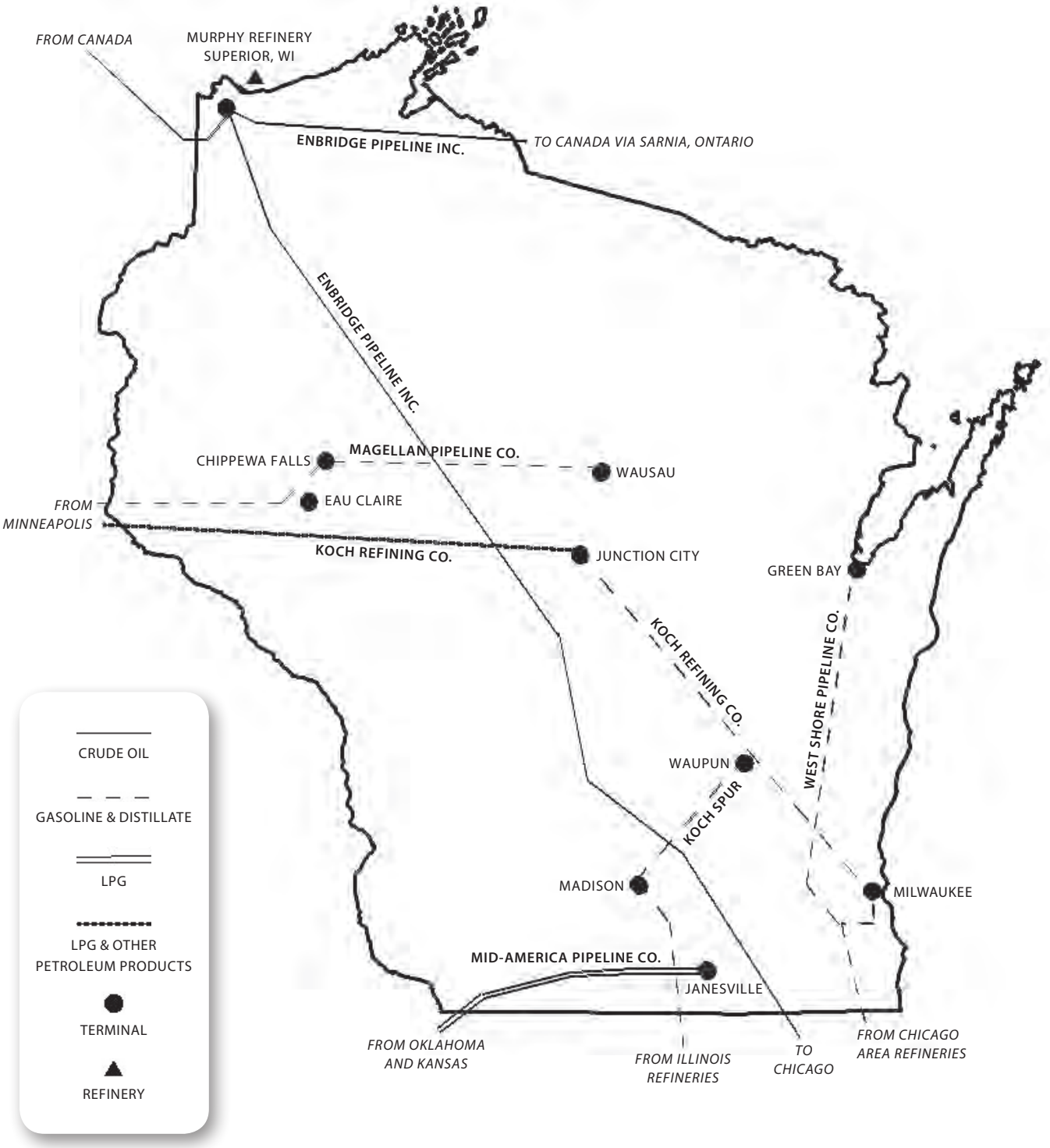
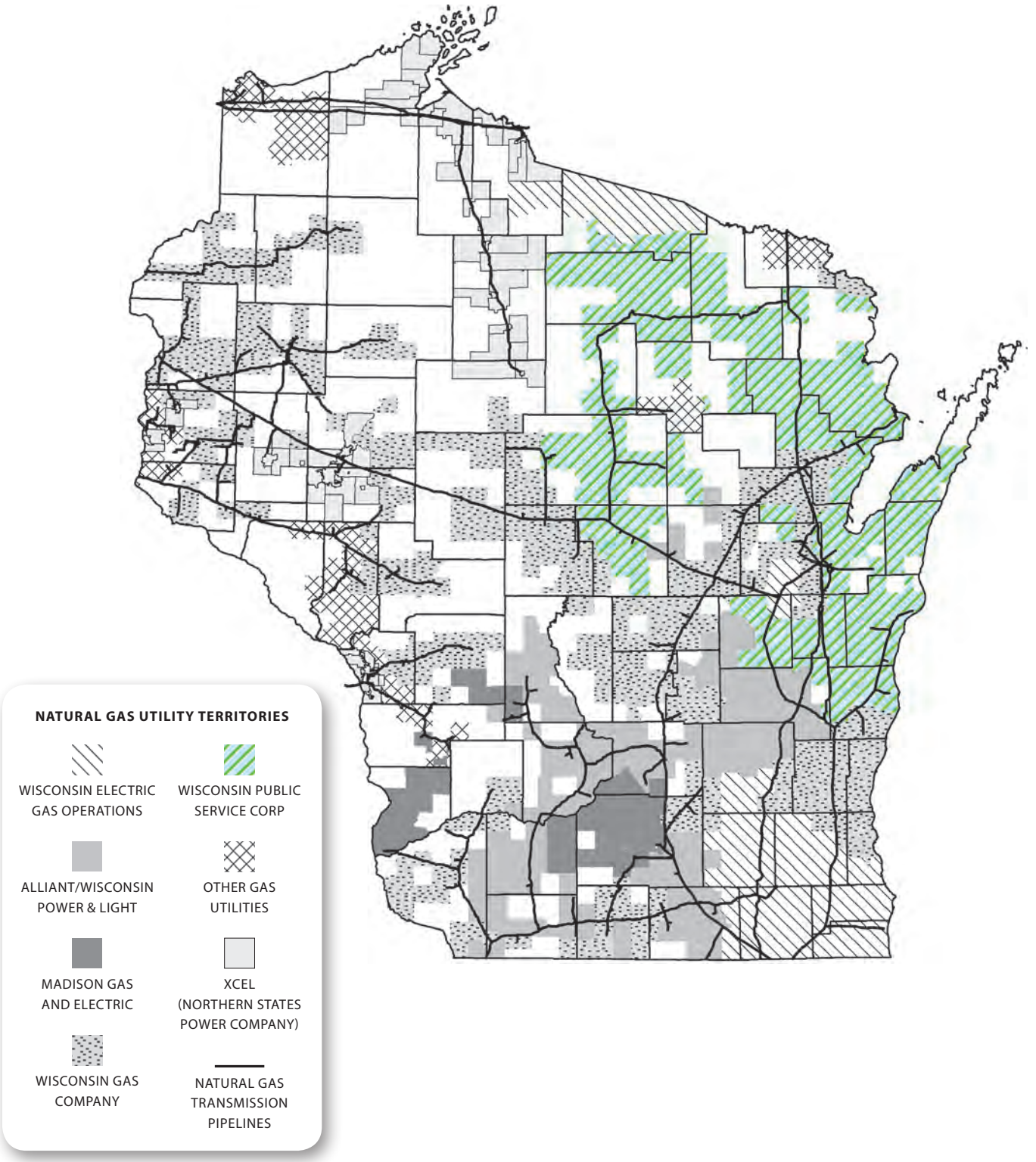
Wisconsin Petroleum Pipelines



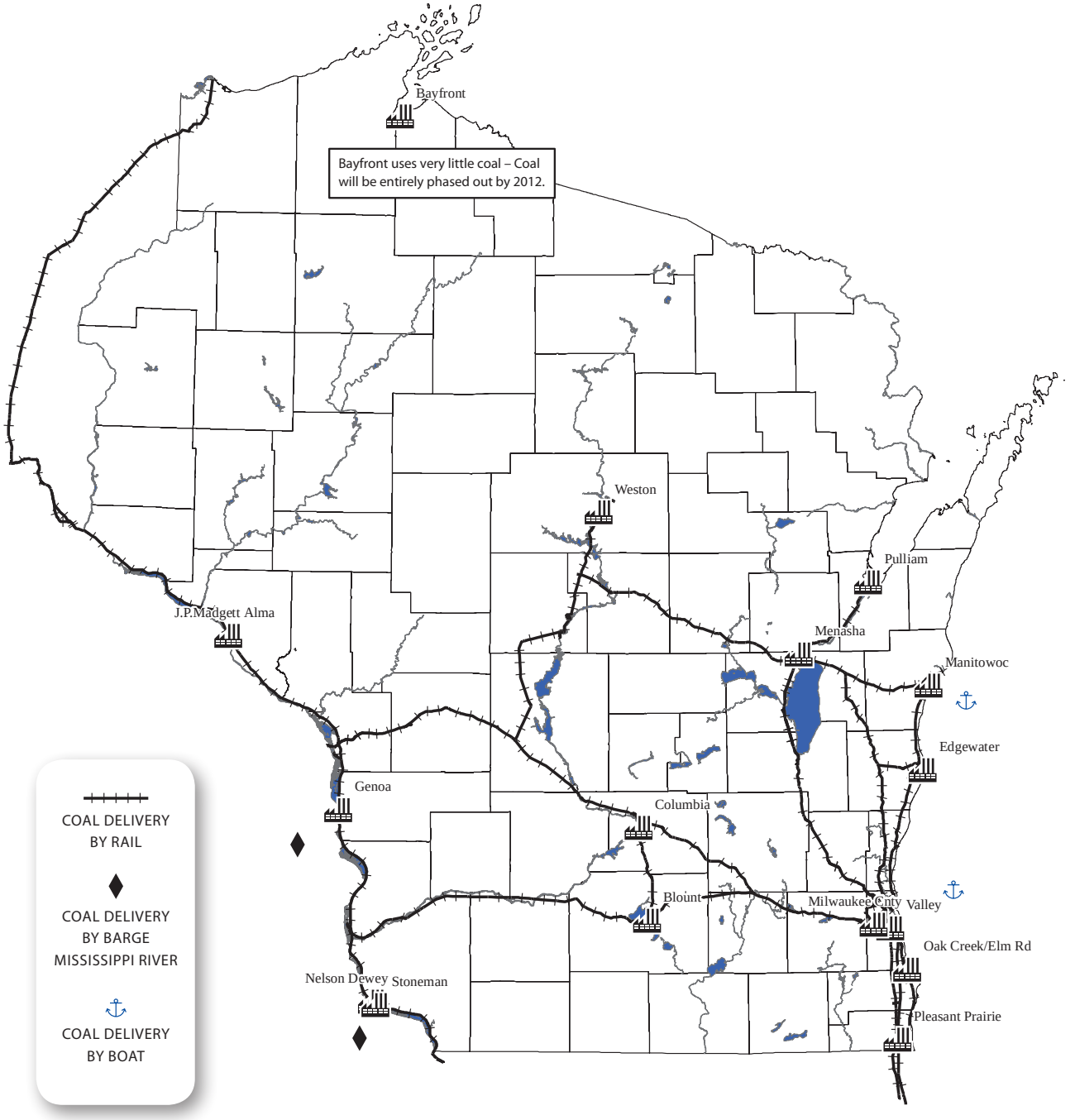
Source: Wisconsin Office of Energy Independence.

Wisconsin Natural Gas Company Territories and Major Pipelines



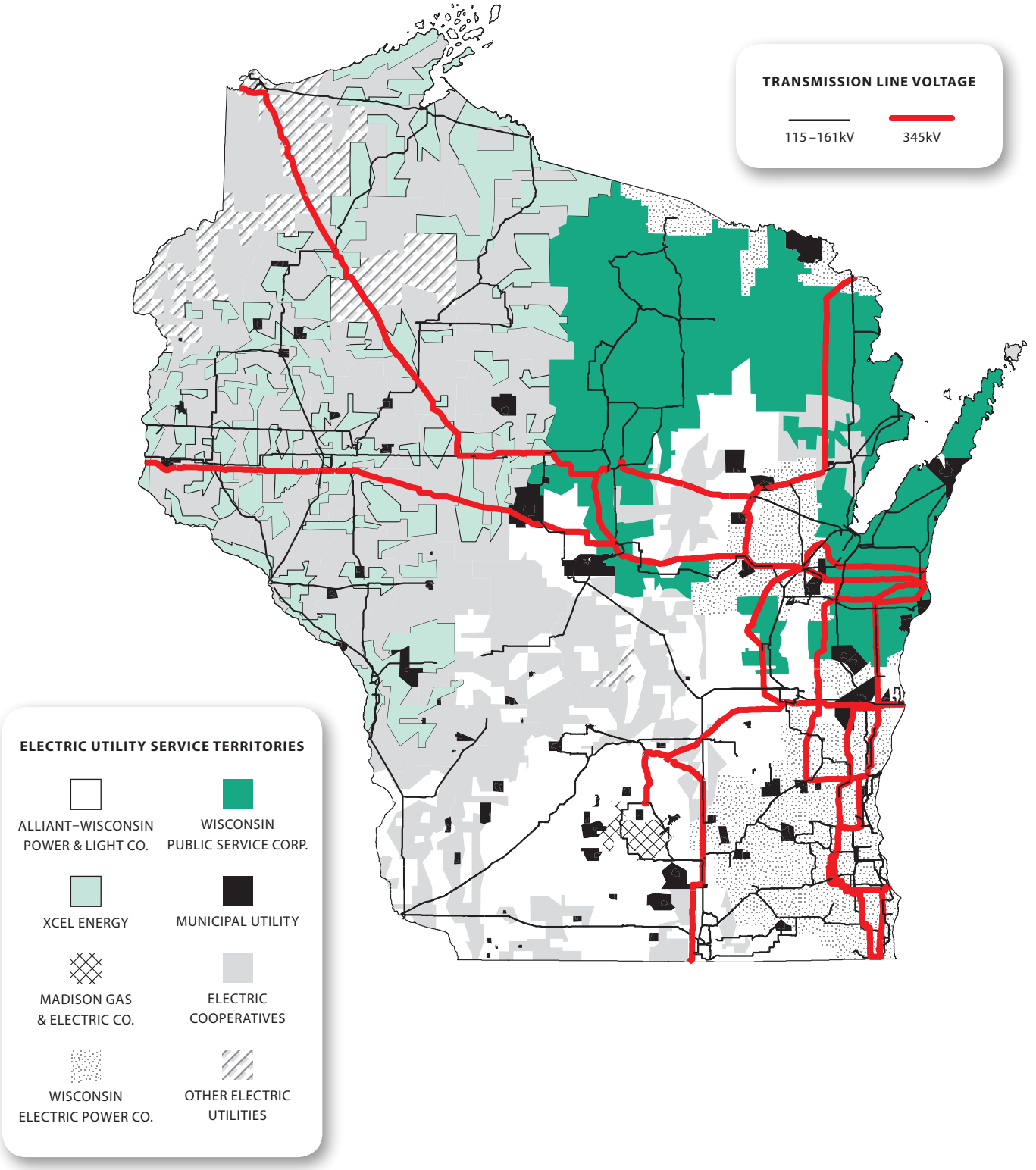
Source: Public Service Commission of Wisconsin.

Coal Transportation Routes in Wisconsin and Major Coal-Fired Power Plants, 2010



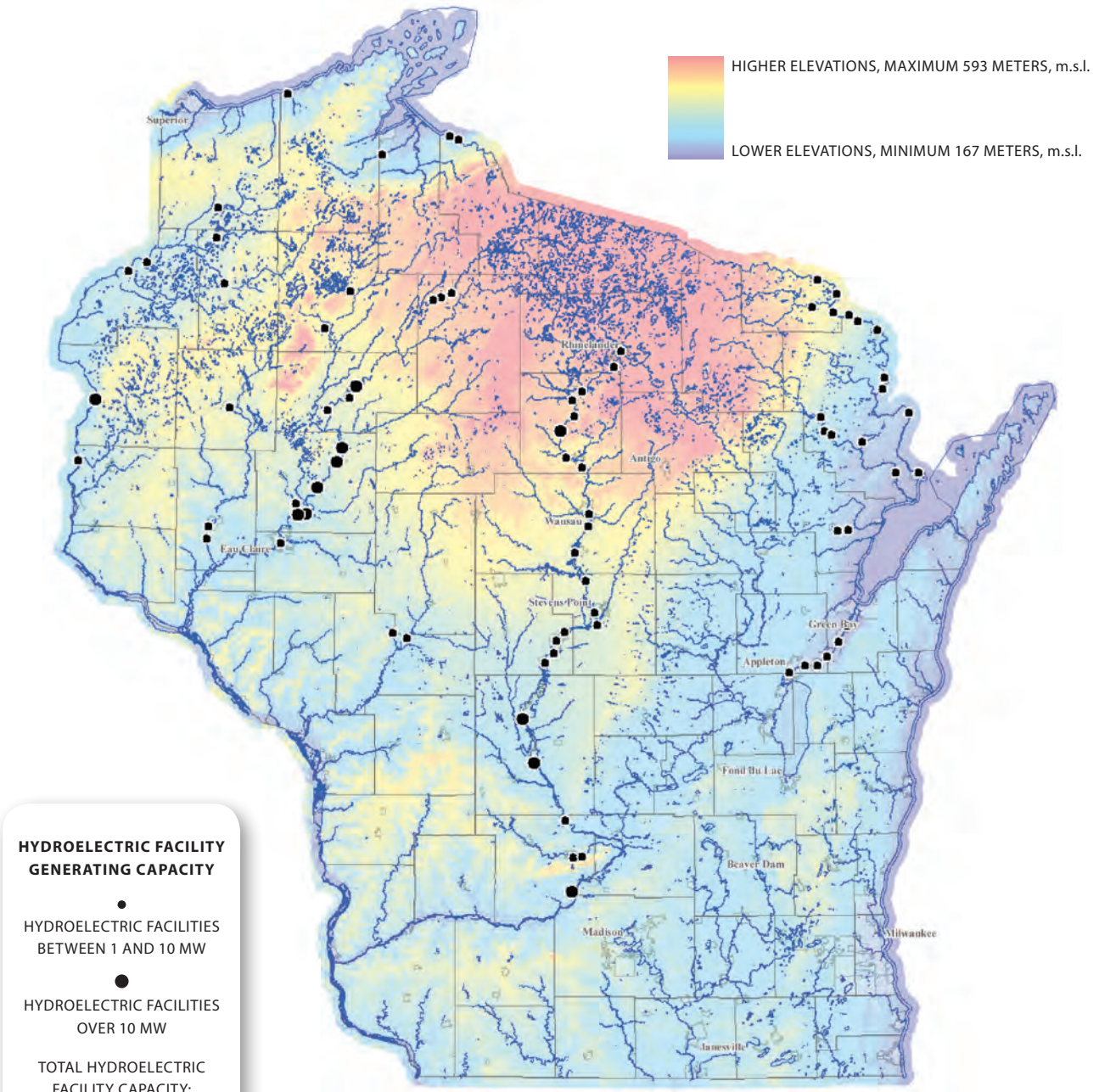
Source: Wisconsin Office of Energy Independence

Major Electric Lines and Service Territories



Source: Public Service Commission of Wisconsin–2010.

Hydroelectric Generation Sites in Wisconsin, 2010



HYDROELECTRIC FACILITY GENERATING CAPACITY

• HYDROELECTRIC FACILITIES BETWEEN 1 AND 10 MW

● HYDROELECTRIC FACILITIES OVER 10 MW

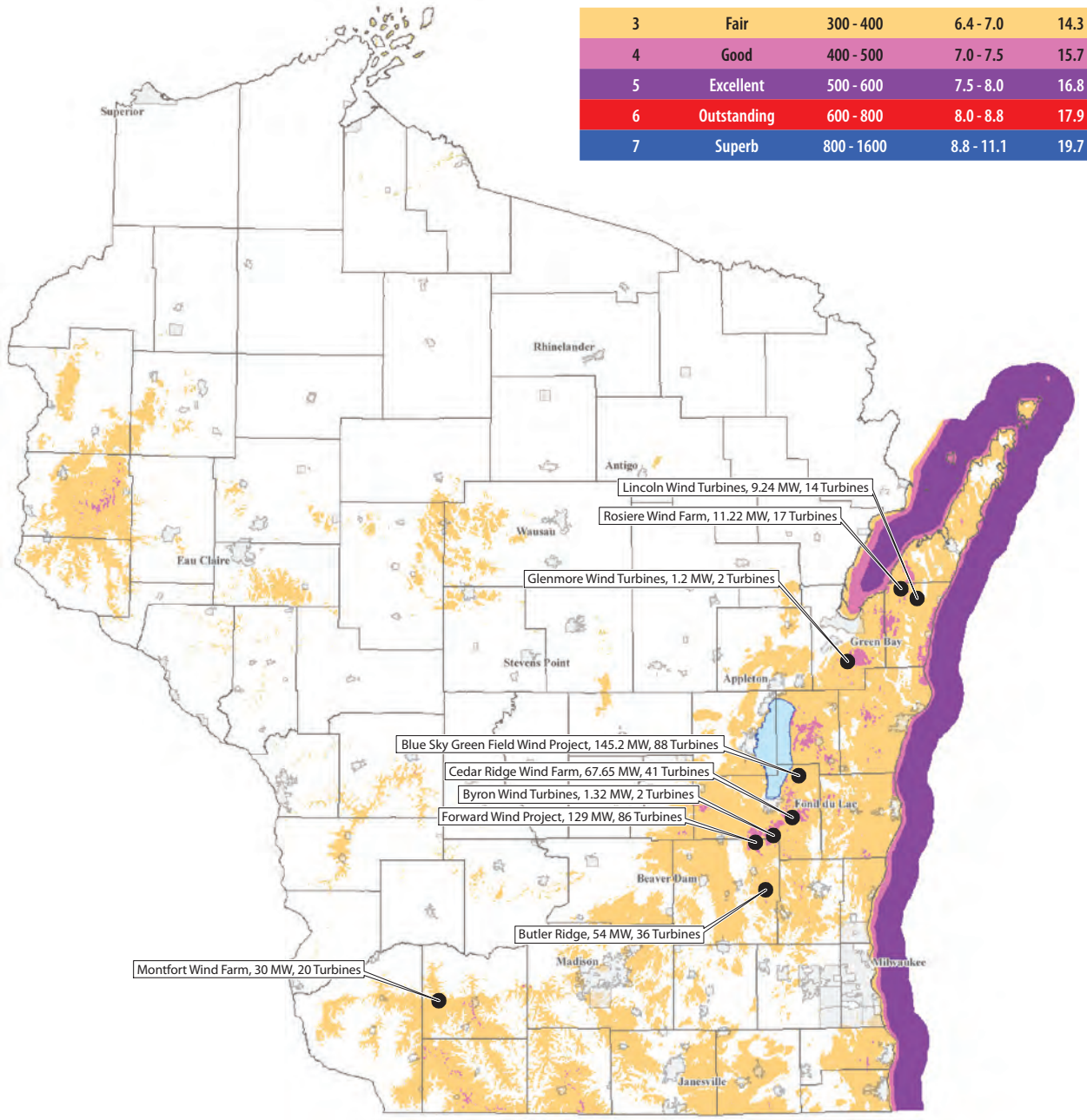
TOTAL HYDROELECTRIC FACILITY CAPACITY: **480 MW**

2006 TOTAL HYDROELECTRIC ENERGY GENERATED: **1,564,255 MWh**

Capacity and Energy Data Source: Commission of Wisconsin, Gas and Energy Division. Includes hydroelectric generation sites in Wisconsin owned by utilities, merchants, cooperatives, and other nonutilities.
Hydroelectric Facility GIS Data Source: Wisconsin Department of Administration, Division of Energy.

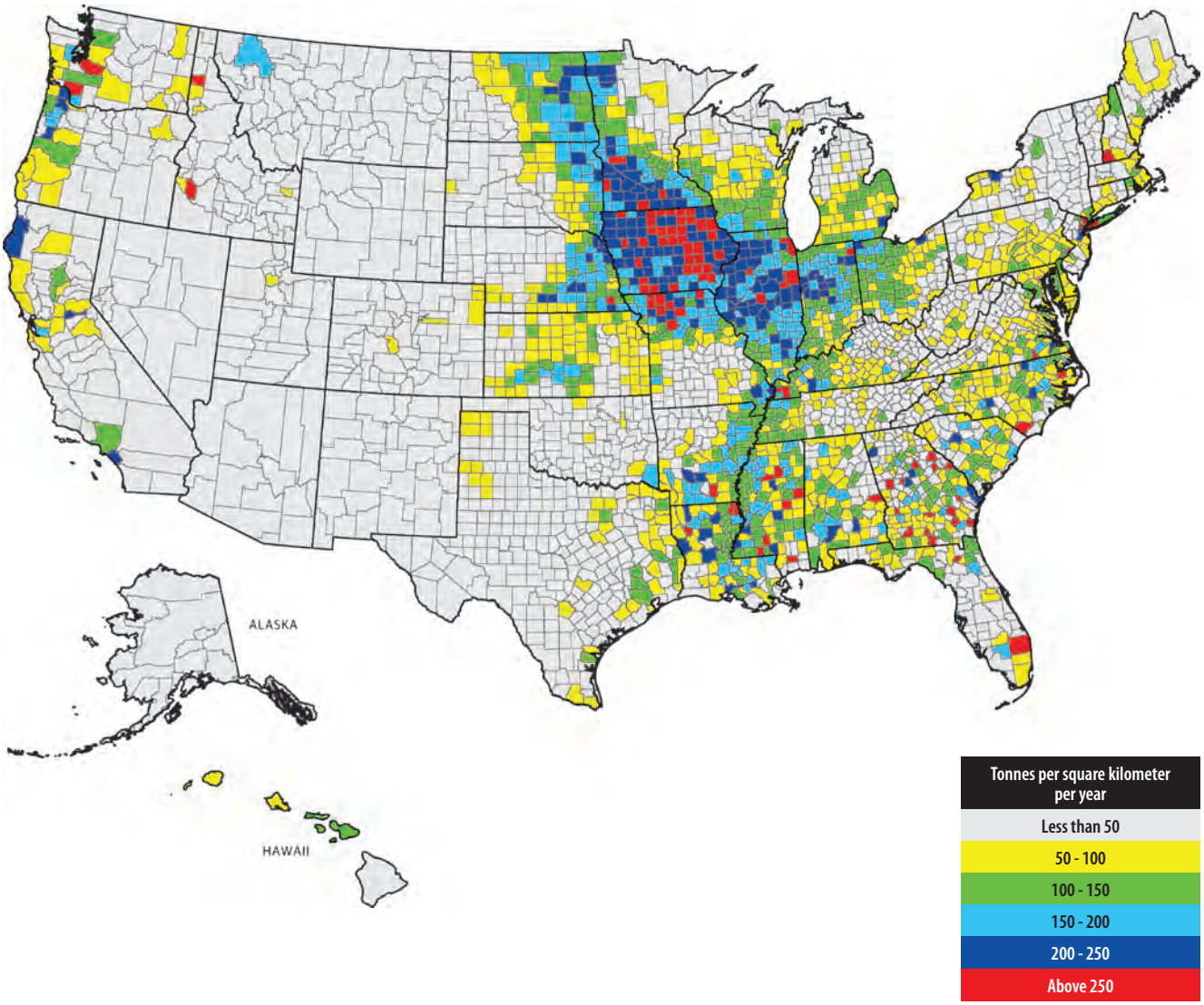
Estimated Wind Power Energy Potential (at 70 meters) and Existing Wind Development Locations, 2010

Wind Power Classification	Resource Potential	Wind Power Density at 70 m (watts/square meter)	Wind Speed at 70 m (m/s)	Wind Speed at 70 m (mph)
Below 3		Below 300	Below 6.4	Below 14.3
3	Fair	300 - 400	6.4 - 7.0	14.3 - 15.7
4	Good	400 - 500	7.0 - 7.5	15.7 - 16.8
5	Excellent	500 - 600	7.5 - 8.0	16.8 - 17.9
6	Outstanding	600 - 800	8.0 - 8.8	17.9 - 19.7
7	Superb	800 - 1600	8.8 - 11.1	19.7 - 24.8



Wind Data Source: AWS Truewind, 2008

Biomass Resources Available in the United States



Based on the map titled "Biomass Resources Available in the United States," distributed by the National Renewable Energy Laboratory (NREL), http://www.nrel.gov/.

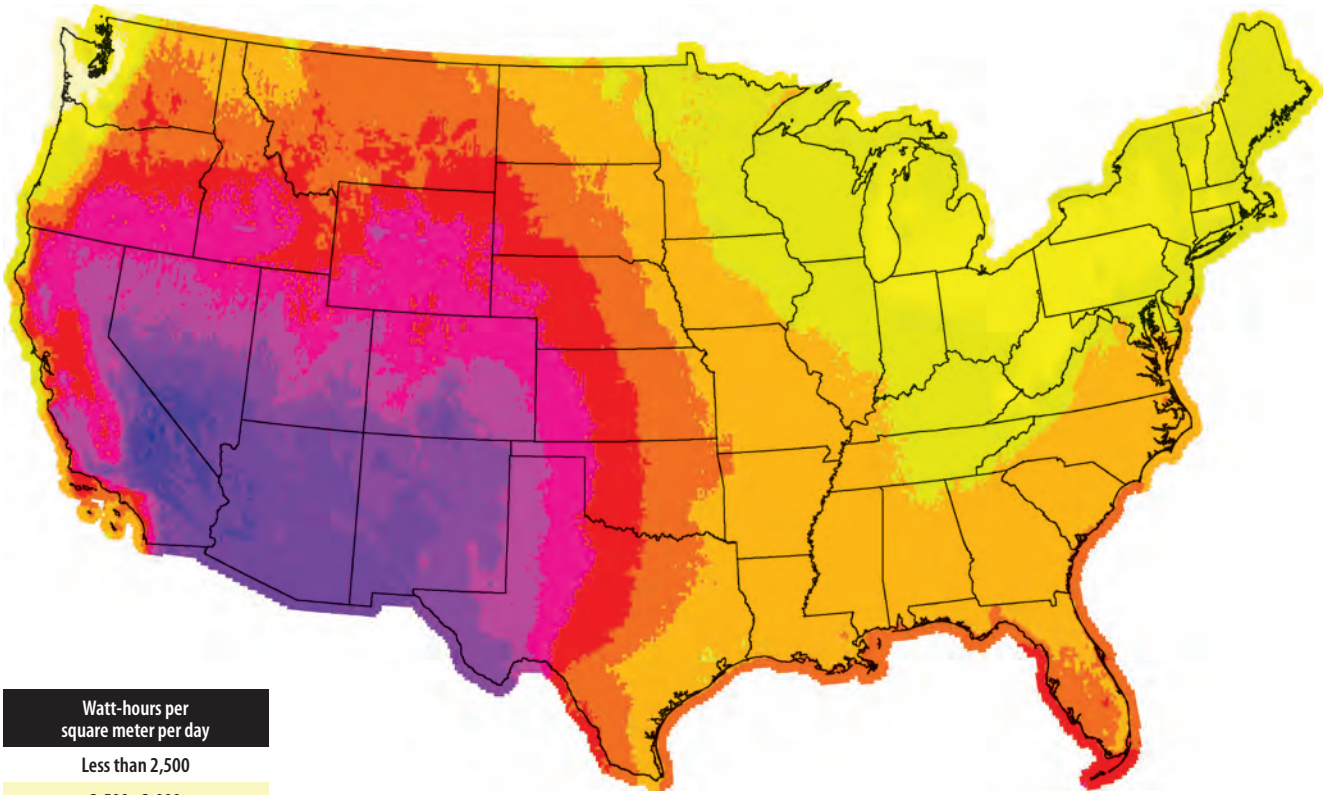
GIS Data Source: http://www.nrel.gov/.

GIS Data Metadata: None available.

Notes from the original NREL map: This study estimates the technical biomass resources currently available in the United States by county. It includes the following feedstock categories:

- Agricultural residues (crops and animal manure).
- Wood residues (forest, primary mill, secondary mill, and urban wood).
- Municipal discards (methane emissions from landfills and domestic wastewater treatment).
- Dedicated energy crops (on Conservation Reserve Program and Abandoned Mine Lands).

Estimated Solar Insulation for the United States, Two-Axis Tracker



Watt-hours per square meter per day
Less than 2,500
2,500 - 3,000
3,000 - 3,500
3,500 - 4,000
4,000 - 4,500
4,500 - 5,000
5,000 - 5,500
5,500 - 6,000
6,000 - 6,500
6,500 - 7,000
7,000 - 7,500
7,500 - 8,000
Above 8,000

GIS Data Source: http://www.nrel.gov/

Purpose: Provide information on the solar resource potential for the 48 contiguous states. The insolation values represent the average solar energy available to a concentrating collector on a 2-axis tracker, such as a dish or a power tower.