

Integrating Nebraska Wind with Eastern Markets

Nebraska Wind Power 2010

November 10, 2010

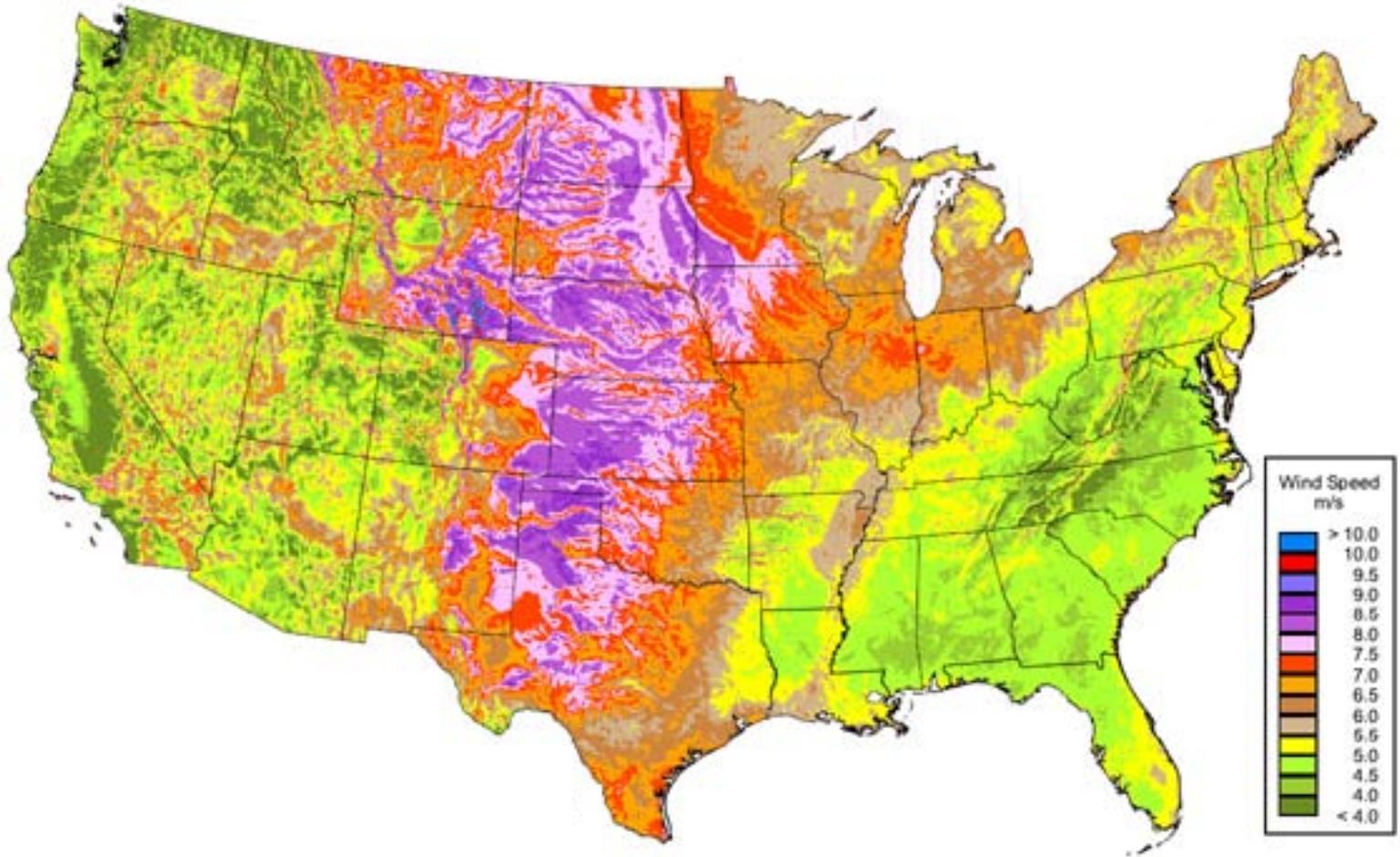


Who is Clean Line Energy Partners?

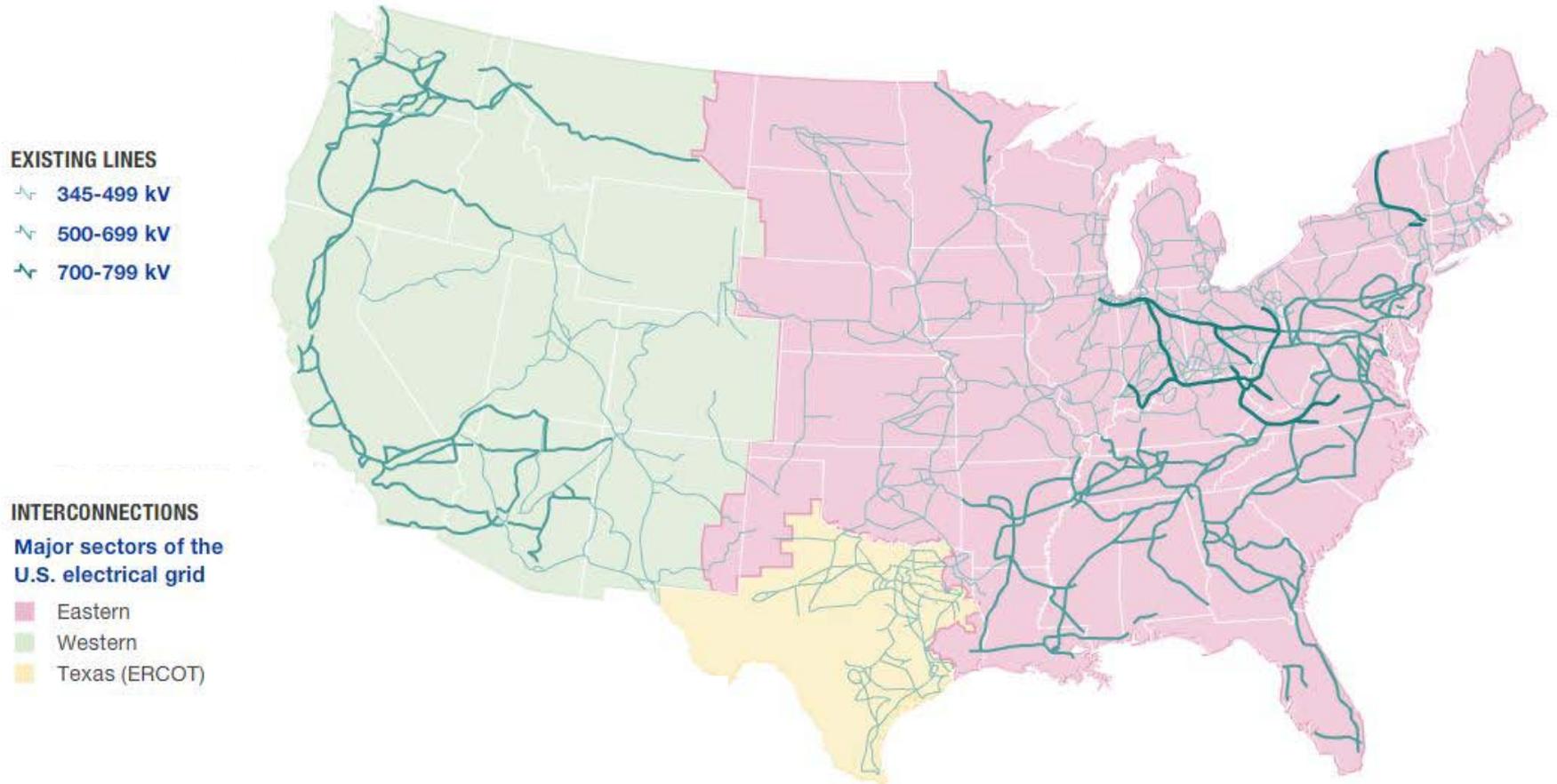
- Clean Line Energy Partners (“Clean Line”) focuses on connecting renewable resources to demand centers.
- Clean Line is developing and seeks to own and operate long-haul, high voltage direct current (“HVDC”) transmission lines across the US.
- HVDC is the lowest cost, least land intensive, most reliable solution to integrating large volumes of renewable energy.
- Clean Line’s four projects present up to \$10 billion in investment opportunities.



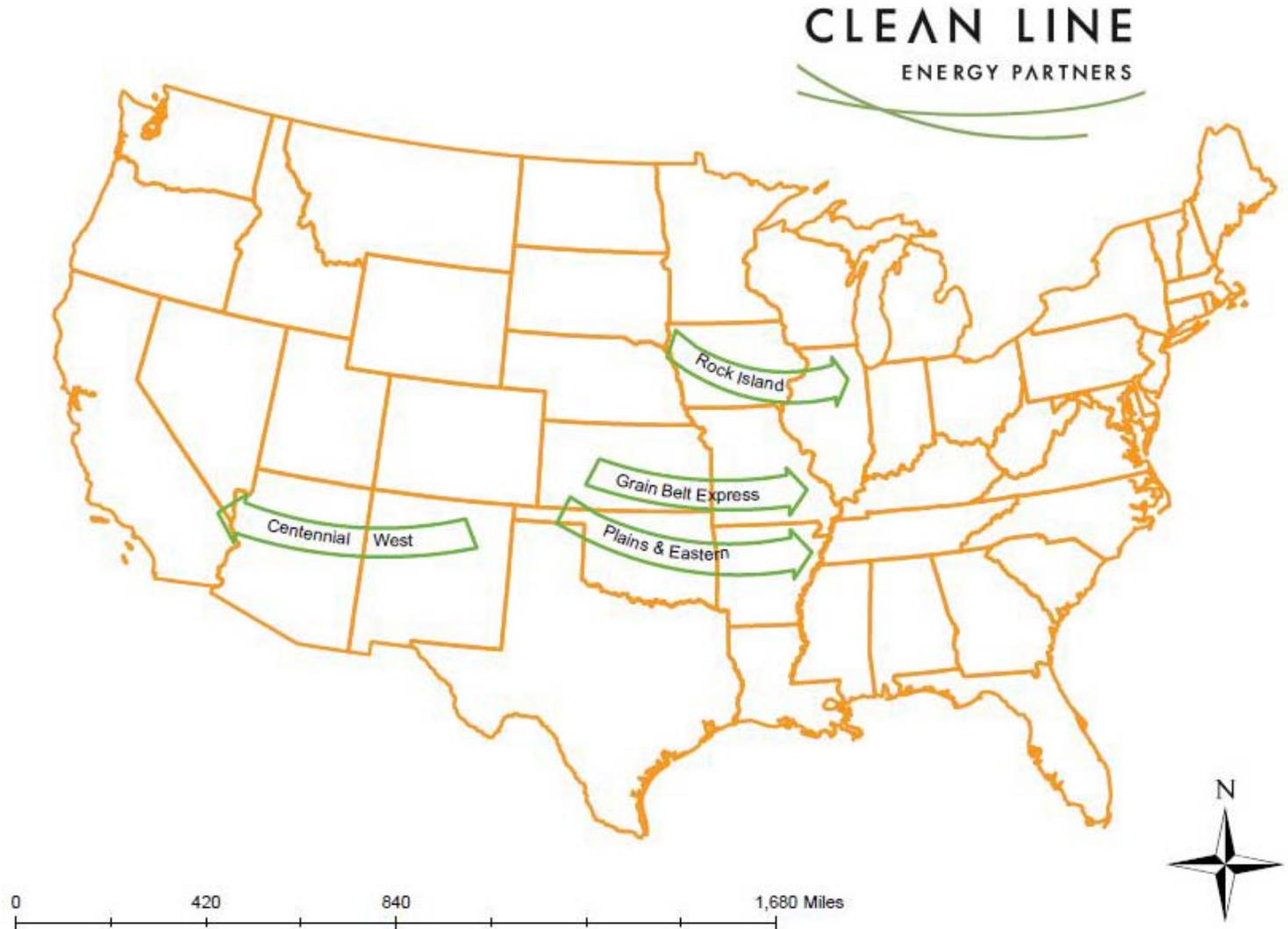
The central United States has some of the world's best wind resources...



Best wind resources located in the weakest transmission systems

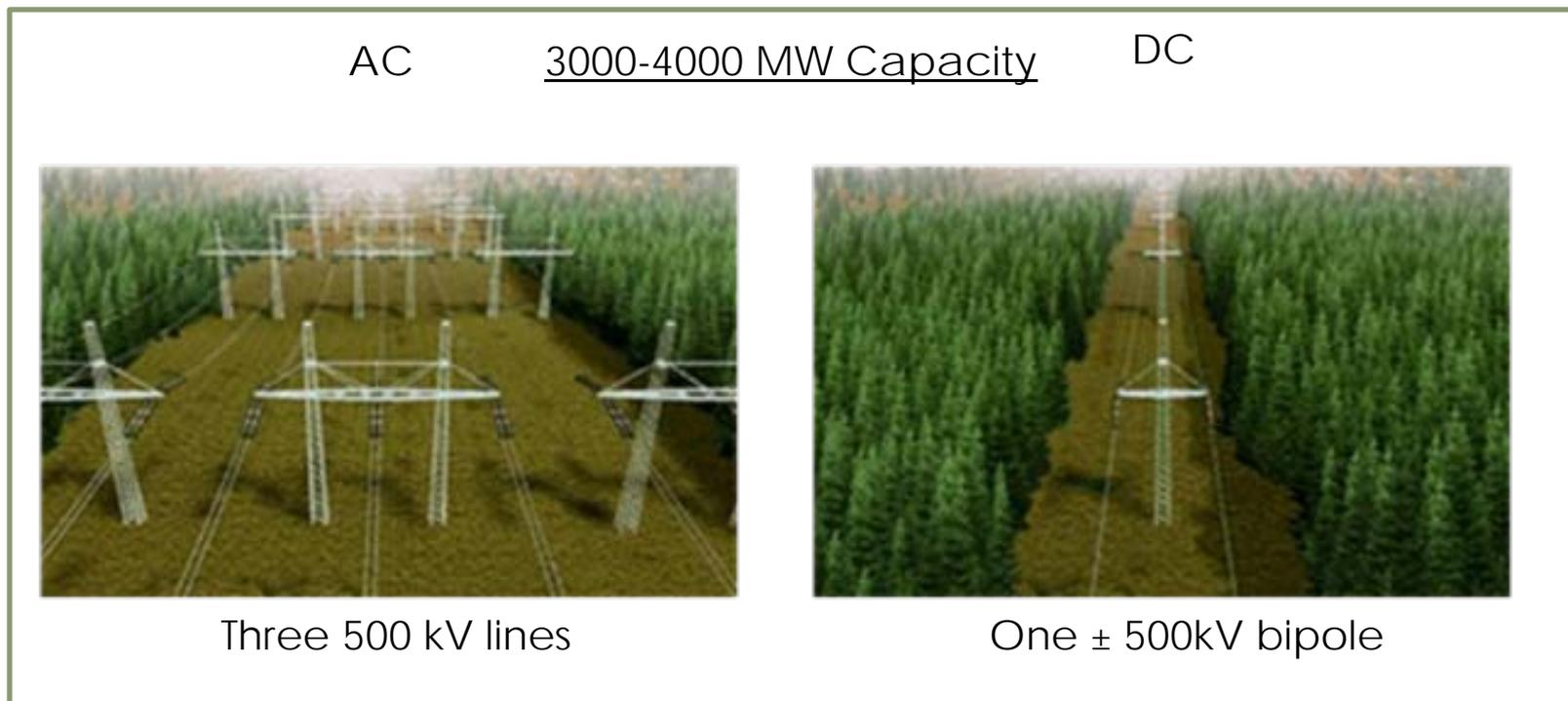


Clean Line's four HVDC projects can bring about 20 GW of wind power to market



HVDC has economic, policy and electric reliability benefits

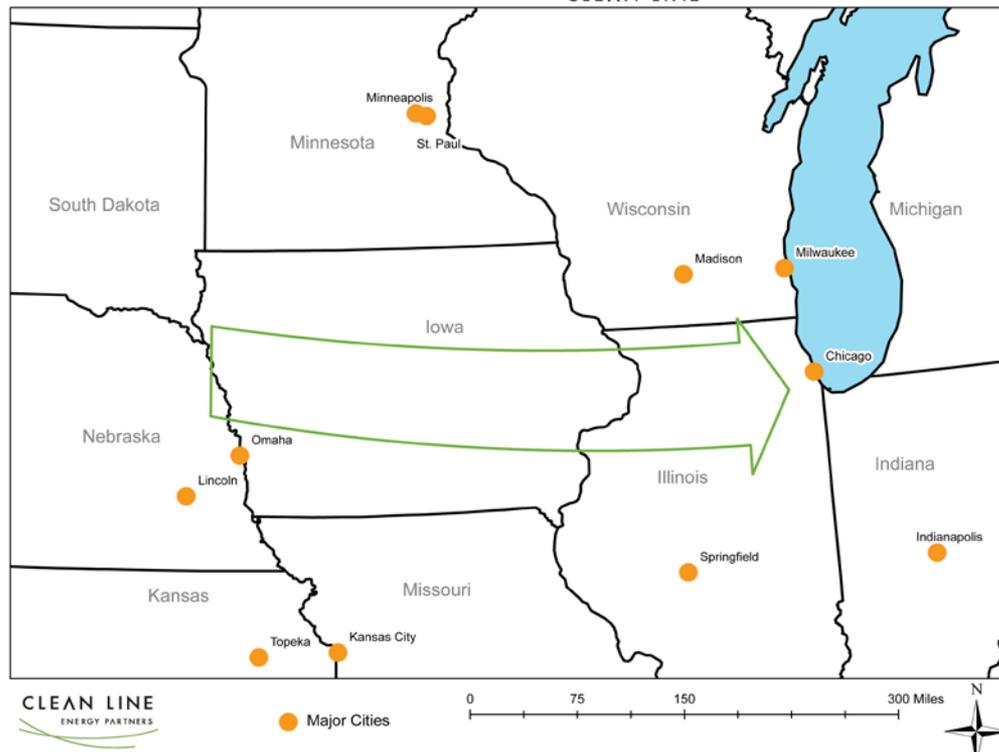
- **Efficient**—Due to lower losses, DC is most efficient solution to move large volumes over long distances
- **Smaller footprint**—Less complex siting because DC requires narrower ROW and lower height than AC
- **Improved reliability**—Enhances system stability, controls power flows, lowers integration costs in resource area



Rock Island Clean Line will connect western Iowa to the PJM 765 kV system

ROCK ISLAND

CLEAN LINE



Key Milestones

- Filed interconnection request at 765 kV Collins substation
- Filed utility application in Illinois
- Conducted detailed studies of wind resources
- HDR engaged as lead permitting firm
- State, County, and other stakeholder outreach underway

Strong Demand for the Rock Island Clean Line

Supply

- Current estimated production from existing and under construction wind generators in PJM states (DC, DE, IL, IN, KY, MD, MI, NC, NJ, OH, PA, TN, VA, and WV) totals approximately 15.7 million MWh per year.
- Rock Island Clean Line would supply approximately 15 million MWh per year into the PJM market.

Demand

- The cumulative total annual demand for renewable energy per currently enacted RPS laws in PJM states is approximately 104 million MWh in 2017, rising to 134 million MWh by 2020.
- The enactment of a federal RPS would significantly enhance and stabilize renewable energy demand.

CLEAN LINE

ENERGY PARTNERS

