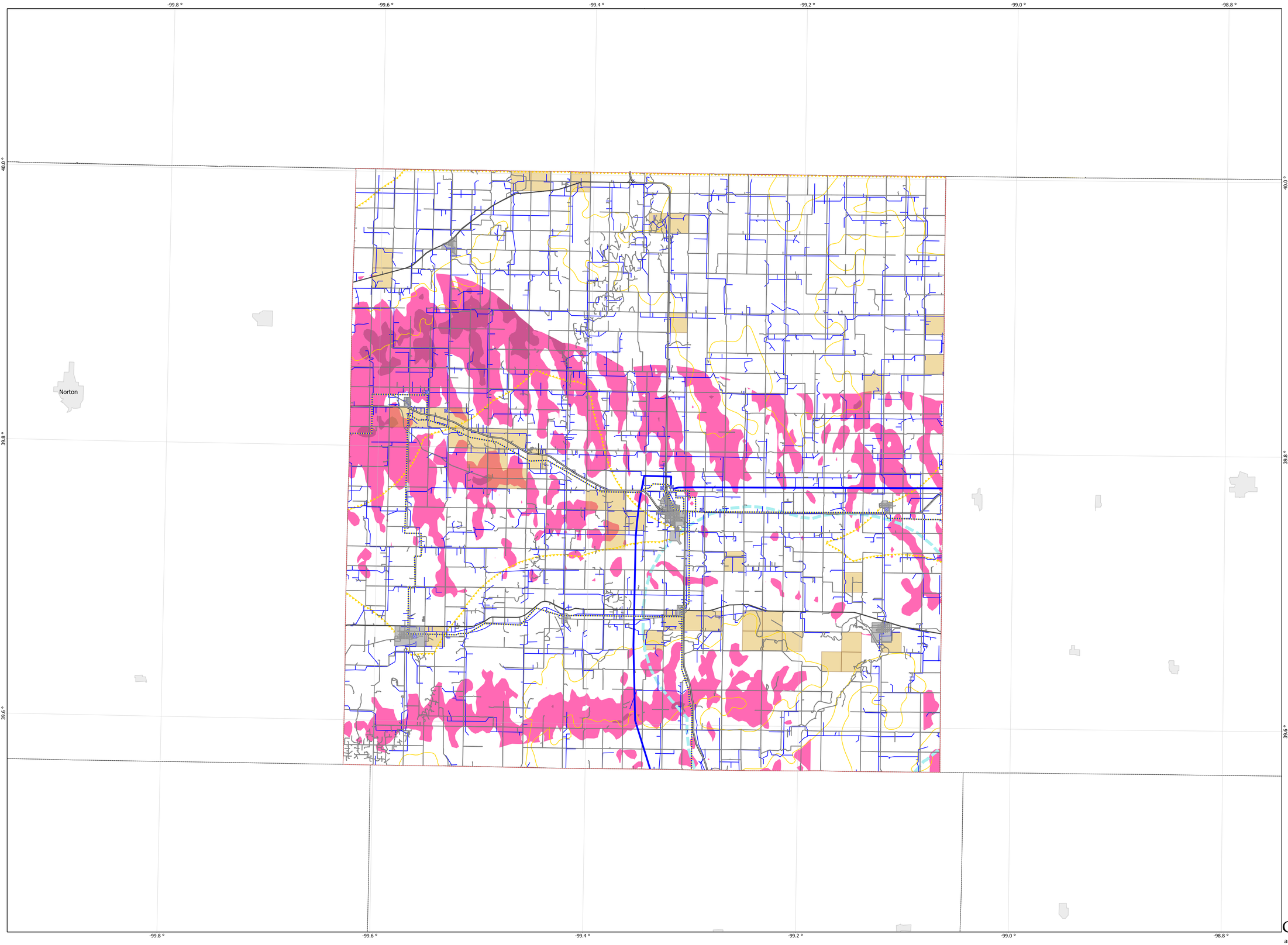



## Legend

**Base Map Layers**
- Kansas County Boundaries
- text — Municipal Utility Names
- Municipal Utility Boundaries
- Municipal Utility 5mi region
- Kansas Scenic Byways
- Kansas Scenic Byway 5mi Region

**KDOT Highways and Roads**
- Interstate Highways
- US Routes
- Kansas Routes
- Kansas Roads

**Areas of concern for wind development**
- Heart of Flint Hills Area
- National Grasslands Buffer
- National Preserve Buffer
- National Wildlife Refuge Buffer
- Untilled Land Area
- Untilled Land Buffered Area
- Archaeological Section
- T&E Species Area

**Electrical Grid**
- Substation Locations

**Transmission Grid**
Transmission Voltage in KVA
- 34.50
- 69.00
- 115.00
- 138.00
- 161.00
- 230.00
- 345.00

**6mi area from Substation or Small Transmission (34.5-69 KVA)**
- White overlay for > 6 miles from small transmission lines

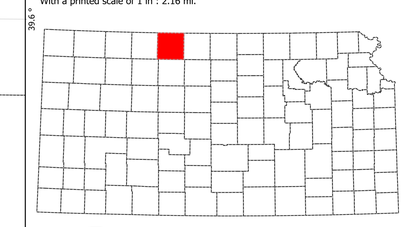
**Distribution Grid**
- All Distribution Lines

**Wind Resources**
**Wind Resource showing Class4 and greater**
Estimated Average Annual Wind Speed
at 50 meters altitude in meters/second
- 7.00 - 7.25
- 7.25 - 7.50
- 7.50 - 7.75
- 7.75 - 8.00
- > 8.00

This information should be used only for project exploration.
Detailed site specific assessment of wind resources and development requirements should always be performed.

This material was prepared with the support of the U.S. Department of Energy (DOE) Grant Nos. DE-FG48-02R803202 and DE-FG48-02R820213. However, any opinions, findings, conclusions, or recommendations expressed herein are those of the author(s) and do not necessarily reflect the views of the DOE.

This Map has been prepared using the Lambert Conformal Conic Projection in the North American 1983 (mean for CONUS) Datum.
The Map is centered on the Selected County using
39°47.113' N Latitude and 99°20.893' W Longitude.
With a printed scale of 1 in : 2.16 mi.



N

Coriolis
architecture · energy

Kansas Corporation Commission
Energy Programs

# Phillips County

Community Wind Toolkit