

WIND FOR SCHOOLS

Who?

- Kansas State University - Students & Faculty
- National Renewable Energy Laboratories (NREL)
- Rural Schools in Kansas
- Local Utilities & Community Members

Sterling USD 376



- City support
- 60' monopole

How?

- Class 3 or higher wind (14.5+ mph)
- Location without large obstructions or trees
- Community awareness and acceptance
- Administrative support at school
- Teachers willing to incorporate turbine into classrooms

Fairfield USD 310



- Local dealer and city support
- 33' monopole
- First WFS turbine installed

Concordia USD 333

- Horizon Wind support
- 60' Monopole



Ell-Saline USD 307

- TradeWinds Energy Support
- 45' monopole



Kansas State University



- 60' steel 345KV transmission line pole donated by Westar

Why WFS?

- Promote wind energy in rural areas of Kansas
- Educate college students on wind turbine siting and applications
- Educate K-12 students on wind energy

Costs?

- Turbine \$250
- Tower \$2000-\$7000
- Foundation \$600-\$1200
- Electrical Materials \$900-\$4700
- Data Communications \$260

- 60' Monopole
- Heartland Electric Helped with Installation
- Check out greenbush.org

Greenbush Ed. Ctr.

Donated Funds?

- KCC \$1000
- Green Tags \$2000 (Horizon Wind for 2007)
- Local Utility: Electrical Materials, Foundations, Installation Costs

Where?

2007

- Concordia USD 333
- Ell-Saline USD 307
- Fairfield USD 310
- Sterling USD 376
- Walton USD 373

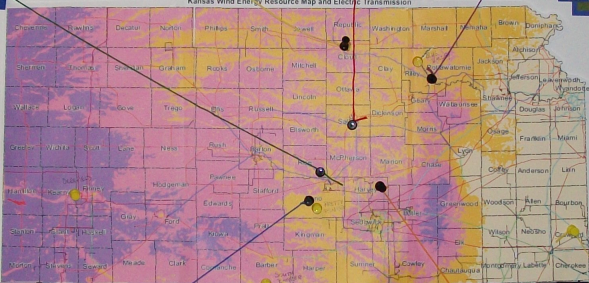
2008

- Greenbush Education Center
- Blue Valley USD 384
- Pretty Prairie USD 311
- South Barber USD 235
- Peetfield USD 216

Walton USD 373



- Charter school & city support
- 45' monopole



Kansas Energy Resource Map and Electric Transmission

ENGINEERING

WIND ENERGY

NREL National Renewable Energy Laboratory