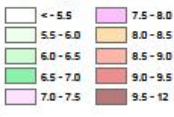


**Wind Speed at 100m**



**Transmission Lines**



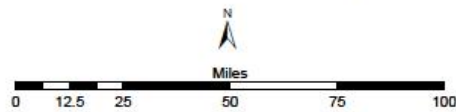
**Wind Farms**



**Roads**



# Wind Resources of Kansas



Wind speed at 100 meters data layer was created by AWS Truewind using the MesoMap system and historical weather data. July 2008

# Operating Kansas Wind Projects – End 2012

Project Name	County	Developer	Size (MW)	Power Offtaker	Turbine Type (MW)	Installed Turbines	In-Service Year
Gray County	Gray	NextEra	112	MKEC KCP&L	Vestas 660kW	170	2001
Elk River	Butler	Iberdola	150	Empire	GE 1.5	100	2005
Spearville Spearville II	Ford	enXco	100.4 48	KCP&L	GE 1.5	67 48	2006 2010
Smoky Hills Phase I	Lincoln/ Ellsworth	TradeWind Energy	100.8	Sunflower – 50 KCBPU- 25 Midwest Energy – 24	Vestas 1.8	56	2008
Smoky Hills Phase II	Lincoln/ Ellsworth	TradeWind Energy	150	Sunflower – 24 Midwest – 24 IP&L – 15 Springfield -50	GE 1.5	99	2008
Meridian Way	Cloud	Horizon EDP	201	Empire – 105 Westar - 96	Vestas 3.0	67	2008
Flat Ridge	Barber	BP Wind Energy	100	Westar	Clipper 2.5	40	2009
Central Plains	Wichita	RES Americas	99	Westar	Vestas 3.0	33	2009
Greensburg	Kiowa	John Deere/ Exelon	12.5	Kansas Power Pool	Suzlon 1.2	10	2010
Caney River	Elk	TradeWind Energy	200	Tennessee Valley Authority (TVA)	Vestas 1.8	111	2011

# Operating Kansas Wind Projects – End 2012

Project Name	County	Developer	Size (MWs)	Power Offtaker	In-Service
Post Rock	Ellsworth Lincoln	Wind Capital Group	201	Westar	2012
Ironwood	Ford Hodgeman	Infinity Duke Energy/ Sumitomo Corp. of America	168	Westar	2012
Cimarron I	Gray	Competitive Power Venture (CPV) NextEra	165	Tennessee Valley Authority (TVA)	2012
Cimarron II	Gray	CPV Duke Energy/ Sumitomo	131	KCP&L	2012
Shooting Star	Kiowa	Clipper Infinity	105	Mid-Kansas Electric	2012
Flat Ridge 2	Barber, Kingman, Harper & Sumner (gen tie line)	BP Wind Energy	470.4	AECI – 310.4 Arkansas Electric - 51.2 SWEPCO -108.8	2012
Spearville 3	Ford	enXco (EDF Renewable Energy)	100.8	KCP&L	2012
Ensign	Gray	NextEra	99	KCP&L	2012
Buffalo Dunes	Finney, Grant, Haskell	TradeWind Energy	200	Alabama Power	2013