Flat Ridge 2 Wind Project

BP Wind Energy

BP Wind Energy

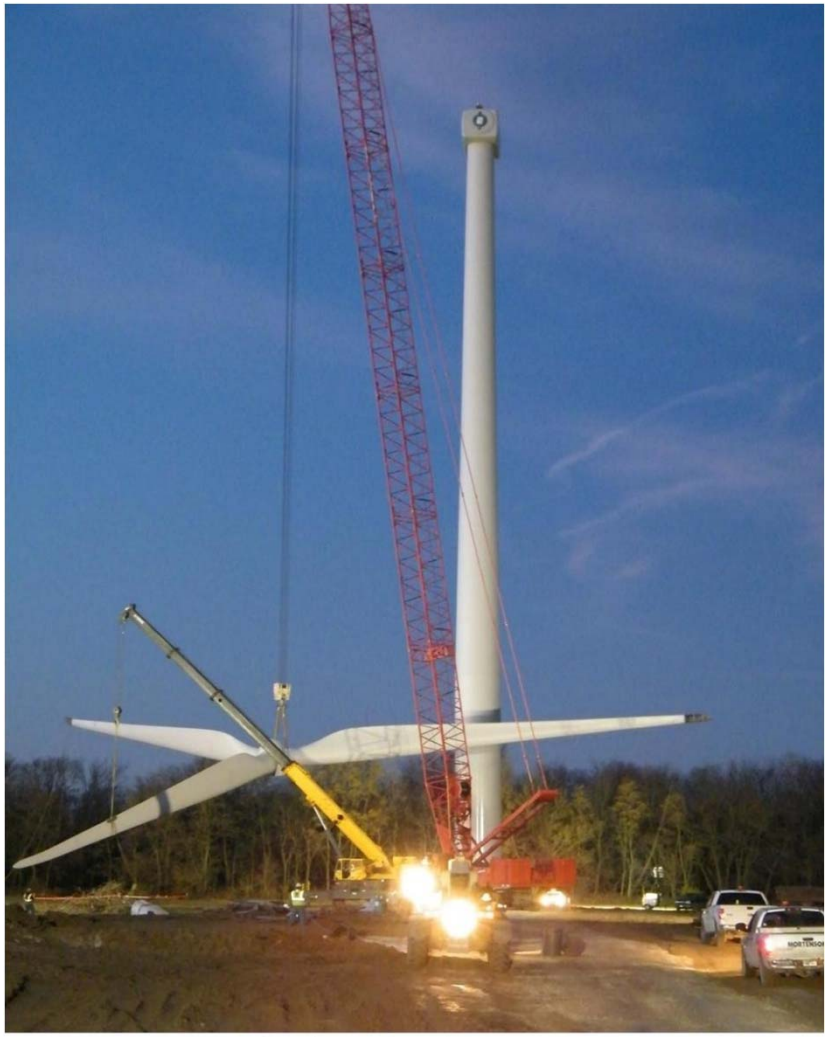
- Total of 2,000 MW of wind projects in commercial operation by end of 2011. 1,625 MW currently operational
- Full complement of professionals (Approximately 150 3Q2011)
- BP Solar presence in PV business since 1973 (Production Model to Development Model)
- Extensive depth in development, financing, construction, operations and customer management
- Continued BP Board commitment and support for renewable business in US ($4B since 2005)

A Wind Portfolio Reflecting *Sustained* Growth 2007 - 2011

PROJECT	MW	STATE	COD
Cedar Creek I	300	CO	Dec-2007
Silver Star 1	60	TX	Sep-2008
Edom Hills	20	CA	Sep-2008
Sherbino 1	150	TX	Oct-2008
Flat Ridge I	100	KS	Mar-2009
Fowler Ridge 1	301	IN	Mar-2009
Fowler Ridge 3	99	IN	Mar-2009
Fowler Ridge 2	200	IN	Dec-2009
Titan 1	25	SD	Dec-2009
Goshen North	125	ID	Oct-2010
Cedar Creek II	250	CO	Mar-2011
Texas Projects	375	TX	4Q11
Total	2,000		

Byron Grote
BP Chief Financial Officer

Wind Projects
Develop, Own, Operate



The last rotor on the way up.

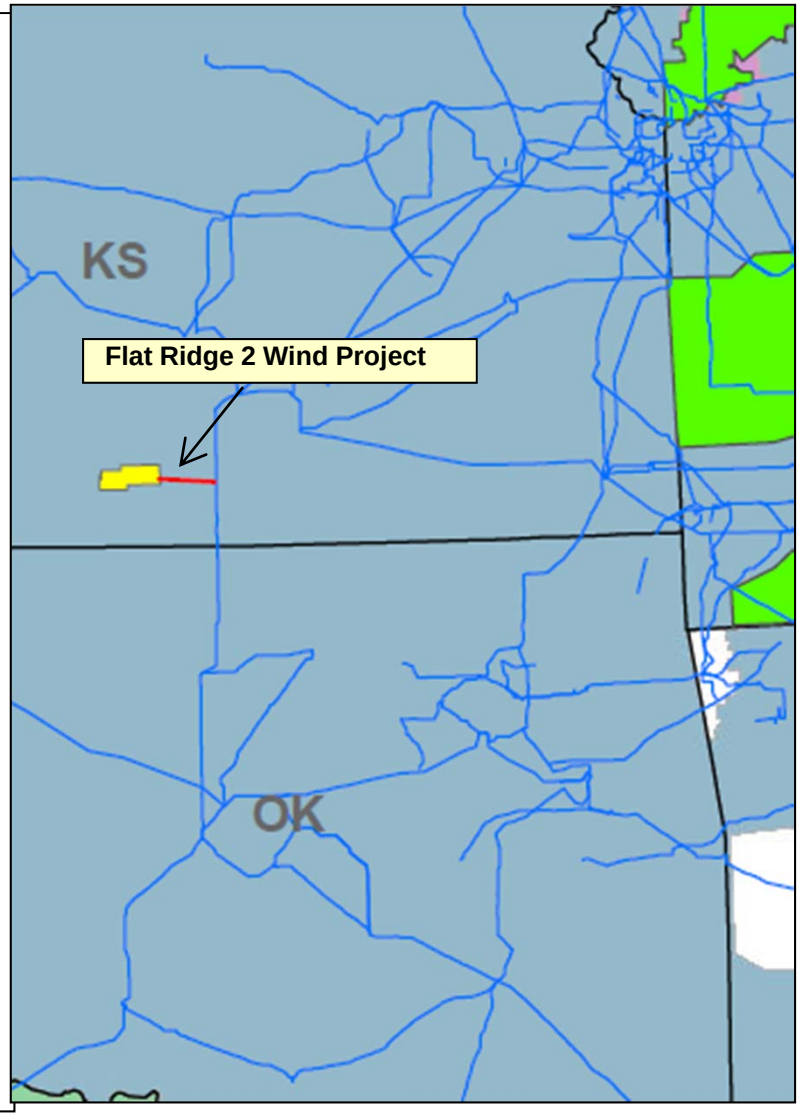
- Deep expertise in development, construction and operations
- 15,000 MW portfolio of wind sites with 400 MW / year average construction
- Professional team of experienced industry veterans
- Successful track record of JV partnering and project financing
- Internal ability to balance-sheet finance projects and monetize tax benefits

Business Unit Summary

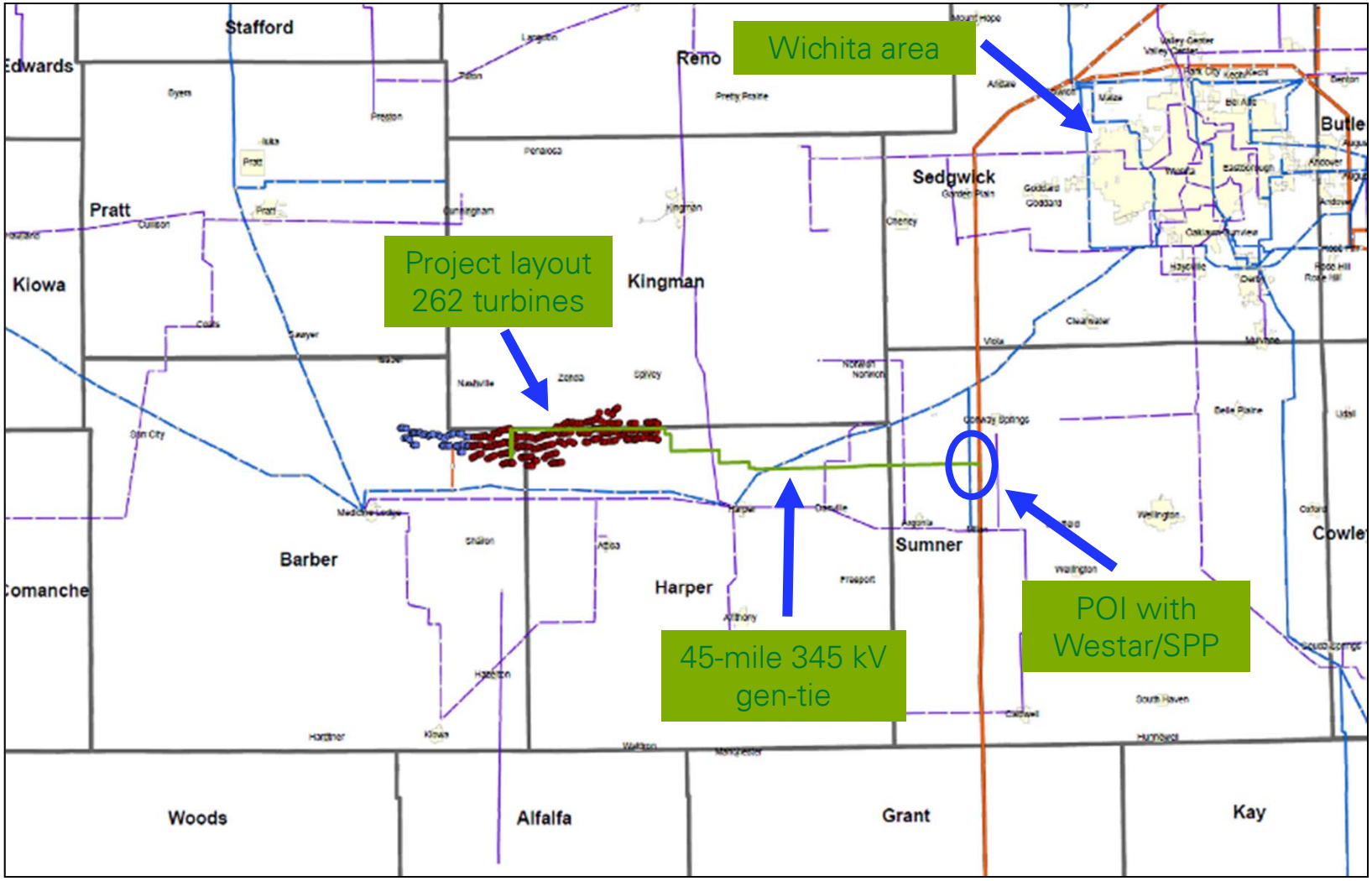
- BP is committed to the alternative energy space
  - Invested $4B in capital since 2005
  - Deep wind experience – over $3B in projects constructed since early 2007
  - Long term solar capability – 35 years experience
  - Financial strength
    - Not dependent on cash grant or tax equity investors
    - No financing contingencies
- BP Wind & Solar has partnered with strong utility affiliates/IPPs:
  - Sempra
  - Dominion
  - NRG
  - Diamond Generating (Mitsubishi)

Flat Ridge 2 Project - Overview

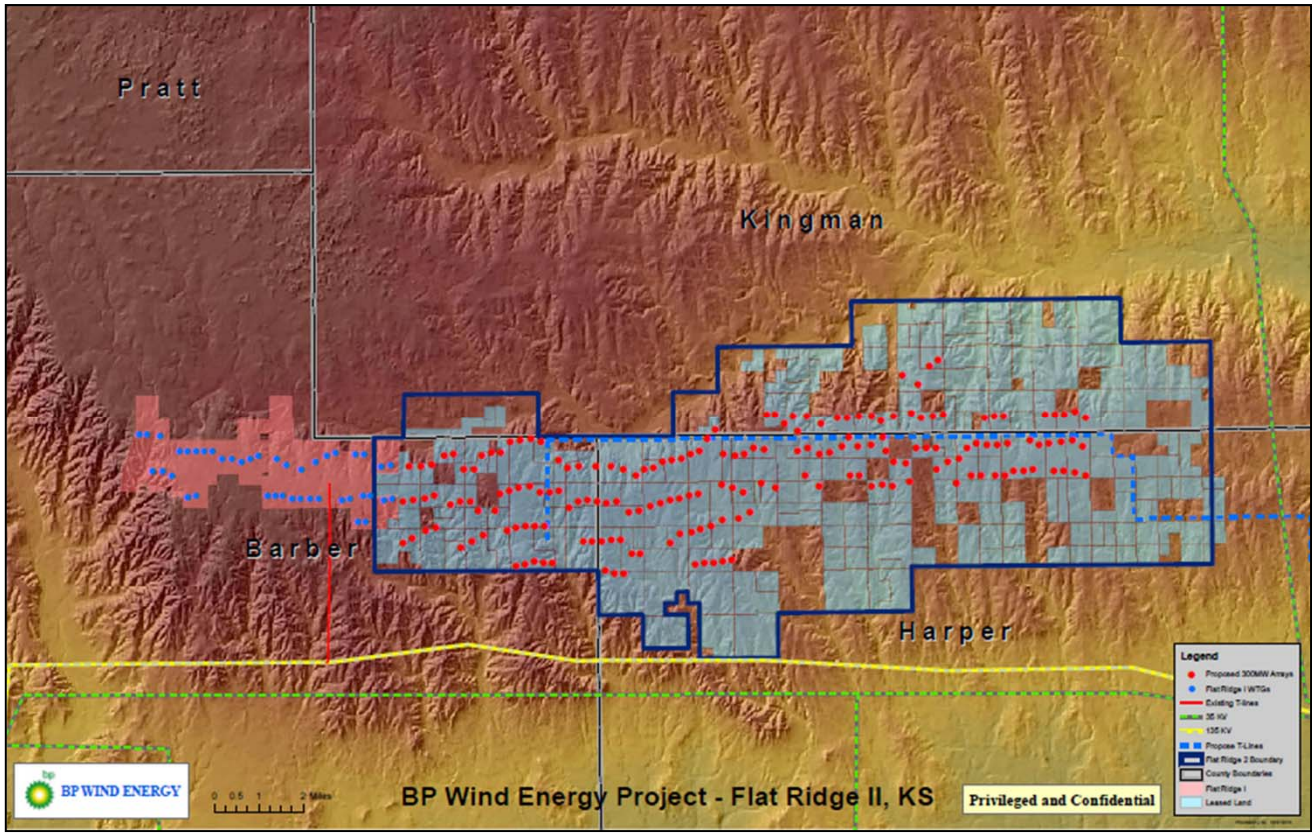
- 419 MW Wind Power Project
- Four counties in central Kansas: Harper, Kingman, Barber, and Sumner
- 66,000 acres of private land under lease
- Equipment: 262 x GE 1.62 MW 100m rotor turbines on 80m towers
- Target COD: 2012
- Interconnection: Westar 345 kV system via 45 mile project gen-tie line.
- PPA's: 314 MW PPA with AECI, currently; in discussions to contract the rest.



Project Layout



Flat Ridge 2 Land Position



Barber, Harper and Kingman Counties

Zoned A1 agriculture

Permitted in Kingman and Harper. License Agreement in Barber

Consultation with KDWP, USFW, SHPO, USCE, and TNC

Development Status

Land & Permitting

- All County permitting/approvals received for 262 turbine locations.
  - Expect interconnection substation Special Use Permit in October.
  - Strong local and state support (Governor Brownback)

PPA

- 314 MW PPA executed; 115 MW remains uncontracted
  - Currently marketing the 115 MW to several potential off-takers

Interconnection & Transmission

- 600 MW interconnection on Westar
- Acquired 100% of required ROW for project's 45-mile 345 kV t-line
  - Plan to file exemption notice to KCC by October

Recent Activities

- Turbine micro-siting near complete
- Surveys underway
- Begin construction in November

Permitting

Federal permits

- Consideration of wetlands and waters

State permits

- Consideration of state listed species

County permits

- Kingman County Special Use Permit: Obtained
- Harper County Special Use Permit: Obtained
- Barber County Licensing Agreement: Obtained
- Sumner County Special Use Permit: Expected October

Consultations

- Consulted all relevant Federal and State agencies for input
- Consulted local, County, and State personnel for guidance/support

Permitting to Consider

FEDERAL	
Federal Aviation Administration	Notice of Proposed Construction or Alteration
	Determination of Hazard or No Hazard
United States Army Corps of Engineers	Nationwide Permit for Construction in Waters of the United States
Environmental Protection Agency, Region 7	Spill Prevention, Control, and Countermeasures Plan (SPCC)
STATE OF KANSAS	
Kansas Department of Health and Environment, Division of Environment, Bureau of Water	NPDES General Stormwater Permit under Section 402 of the CWA
Kansas Department of Agriculture, Division of Water Resources, Water Appropriation Program	Temporary or Term Water Appropriation Permit
Kansas Department of Agriculture, Division of Water Resources, Water Structures Program	Stream Obstruction Permit; Stream Alteration Permit
Kansas Department of Agriculture, Division of Water Resources, Floodplain and Levees	Floodplain Fill Permit
Kansas Department of Transportation	Oversize and/or Overweight Permit and/or Superload Permit
Kansas Department of Wildlife and Parks	Action Permit

Viola Substation

Interconnection with Westar Resources

- POI will be new 345 kV substation on the Wichita-Woodring line
- Project has two interconnection agreements with Westar of 600 MW
- Projected June 2012 energization date.

Generation Tie Line

Project to construct a 45-mile 345 kV gen-tie from Project to POI

- All required ROW agreements have been obtained
- Primary line route selected after evaluating multiple route options
- Route following property lines and fence lines wherever possible
- Line construction incorporated into overall construction schedule to achieve June 2012 backfeed
- Exemption from status as public utility

Engineering/Construction

Civil Design/Geotechnical

- Geotechnical
  - 280 turbine locations, 26 transmission line and 50 access roads borings
- Selected Westwood as civil design engineer
- Finalizing foundation design

Electrical Design

- Selected Dashiell for electrical design

Construction

- Planning for early construction start
  - Issue BOP contract RFP in August 2011
  - Award BOP contract in October 2011

Project Schedule

July 2011	Continue development & pre-construction activities
Sept 2011	Negotiate JV agreements
Oct 2011	Execute BOP agreement;
	Initiate financing discussions
Nov 2011	BP management approval to proceed
	Execute JV Agreements
	Construction NTP
March 2012	Close financing
June 2012	Energize/backfeed utility interconnection facilities
Q3 2012	Testing and commissioning
End 2012	COD