Wind Development in Alberta

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U.S. Developer, Owner & Operator

- Involved in 8 wind projects in the U.S. that are 50/50 JV
- 722 wind turbines
- Total capacity – 900 MW

Rock River, WY  
50MW

Cabazon Pass, CA  
41MW

Whitewater Hill, CA  
61.5MW

Brazos, TX  
160MW

Colorado Green  
162MW

Top of Iowa  
80MW

Mount Storm, WV  
264MW

White Deer, TX  
80MW
Europe - Developer, Owner & Operator

- Involved in 3 wind projects in Europe that are 50/50 JV
- 170 wind turbines
- Total capacity – 200 MW

La Muela
Zaragoza, Spain
99MW

Harburg
Hamburg, Germany
3.6MW

NoordZeeWind
Egmond aan Zee, The Netherlands
108 MW
Wild Steer Butte - General Project Information

Location: Southeast of the town of Bow Island; 50 km west and 30 km south of Medicine Hat

Capacity: up to 775 MW

Site Control: 93,000 acres under option

Transmission Solution:
Southern Alberta Transmission Reinforcement (SATR) project

Schedule:
– Dependent on SATR timing

Environmental:
– Avian, bat, visual, noise baseline studies complete
Wind in Alberta

Market design
- Merchant market
- One of the most deregulated markets in North America

Climate Change Legislation
- Functioning carbon offset market

Generation capacity
- 13,447 MW existing generation, 805 MW of which is wind

Interconnection queue
- >12,000 MW of projects known, about 5,700 MW of which is advanced enough to be in the queue
- Almost 7,000 MW of wind projects known, about 3,400 MW of which is in the queue

Transmission
- Southern Alberta Transmission System (SATR) being built to accommodate 2,700 MW of wind
- Load pays for transmission build
Wind in Alberta - Challenges

Economics
- Few long term Power Purchase Agreements (PPA)
- Low power prices
- No federal or provincial incentives

Climate Change Legislation
- Canadian government has stated intention to follow US lead
- Uncertainty on future of Alberta system and future price