



## 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

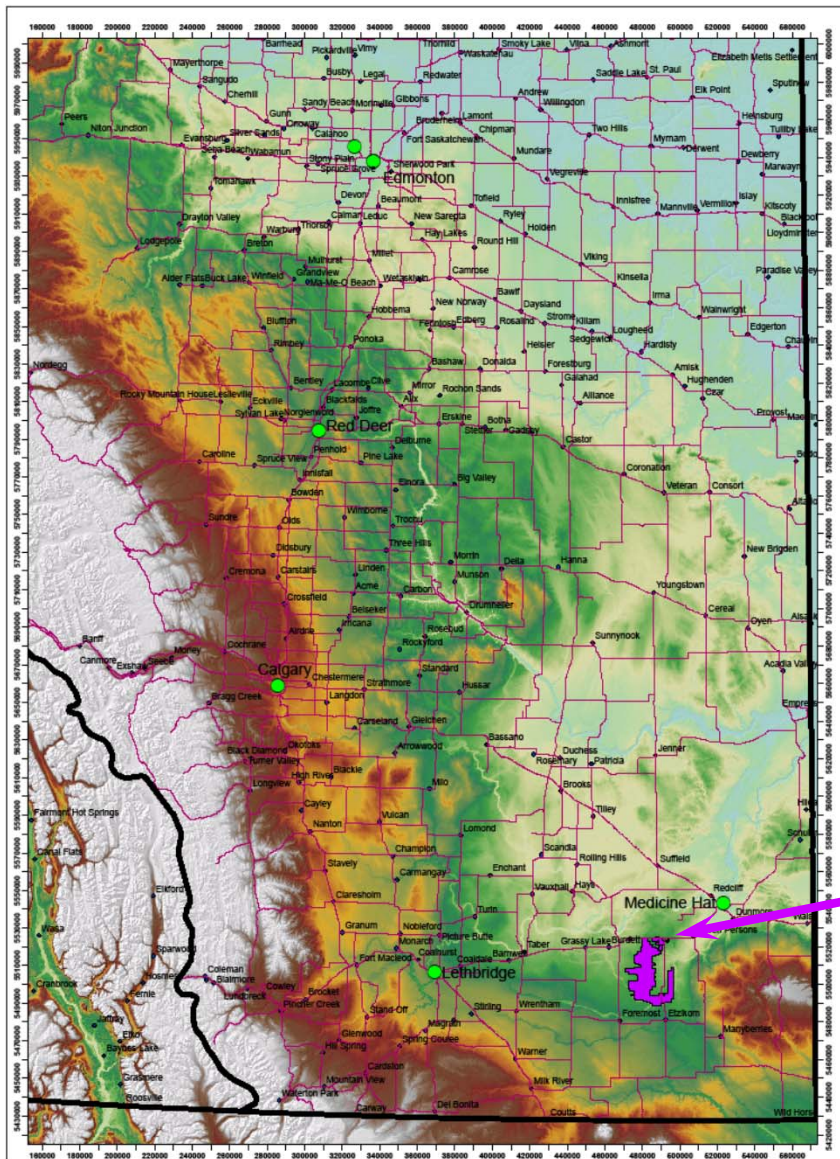
3.6MW



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

Thank you!



