



K2 Wind – Community Liaison Committee Meeting #4
Wednesday, July 22, 2015

Meeting Agenda

- Safety Moment
- Introductions
- Construction Progress
- Operations Update
- General Inquiries
- Next steps

K2 Wind – Background

- 270 megawatt (MW) wind power facility.
- K2 Wind LP is a partnership of Capital Power, Samsung Renewable Energy and Pattern Commercial operation commenced on May 29, 2015, ending an 18-month construction period.
- A 20 year Power Purchase Agreement was signed with the Ontario Power Authority (OPA) in 2011.
- K2 Wind received its REA on July 23, 2013.

An Ontario Project

- Ontario workers have been involved in every aspect of the project – manufacture, assembly, site construction, operations.
- Local residents and suppliers were involved throughout construction (see below).
- Turbine blades were manufactured in Tillsonburg by Siemens.
- Towers were manufactured CS Wind in Windsor using Ontario steel.

Construction Update



Construction Milestones

- Initial site clearing begin in late 2013, and AMEC Black & McDonald (ABMD) was fully mobilized by March 2014.
- The first turbine components arrived in July 2014 and deliveries continued through to March of 2015.
- All access roads were completed by fall 2014. Collector lines were completed in April 2015.
- The 500 kV substation was energized in March 2015.
- All turbines were fully assembled by April 2015.
- Commissioning began in November 2014 and was completed with the start of commercial operations on May 29, 2015.

People, Safety, Weather

- The number of workers peaked in October with almost 500 people working on site.
- K2 Wind, ABMD, Siemens all had dedicated safety staff for the project.
- Weather was a factor in slowing construction :
 - Rain in early 2014
 - Intense snow and cold in December 2014
 - Rain in spring 2015



Local Suppliers & Companies involved

- Johnston Brothers (gravel)
- Kempton Construction
- Williams Johnson Construction
- Ideal Supply
- Samuels Hotel
- Port Albert General Store
- Huronia Welding
- Acklands Grainger
- Goderich Print
- PE Inglis
- Benmiller Inn
- Knoop Industries
- Weed management services
- All Goderich restaurants
- All Goderich/Lucknow service stations
- Montgomery Ford
- Pit Lane
- Lucknow Garage
- CRS
- Affordable Waste
- Fastenal
- Mary's Restaurant

Reclamation Activities

- Reclamation work is underway and is expected to continue to late Summer.
- Goal – repair all of the construction impacts to the municipal road allowances and laneways.
- Damage to municipal roads will be addressed through the municipalities, per K2's Road User Agreement with ACW and Huron & Bruce Counties.
- A tree replacement program is now being planned. K2 will work closely with the ACW on the program.



Operations Overview

Operations Overview

- Commercial operations commenced on May 29, 2015.
- Pattern Energy is the operating partner.
- K2 has a 3 year service agreement with Siemens to maintain the turbines.
- Approximately 20 full-time workers will be involved in maintaining the facility, along with seasonal positions and local contractors.

Operations To Date

- The turbines have been operating better than expected to date.
- K2 has had a greater than 97% availability since COD, which is higher than expected.
- There have been no recordable safety incidences to date.
- K2 has generated over 60,000 MW hours since COD, enough to power over 50,000 Ontario homes for the same period.

Community Benefits

- K2 Wind's economic impacts include:
 - Payroll to full-time and seasonal workers
 - ~\$450,000 in property taxes.
 - A \$15 million contribution over 20 years to the ACW to support community initiatives.
 - The annual Community Renewable Energy Benefit payment (\$1,500) to non-participating landowners living within one kilometer of the turbines and substation.'
 - On-going community sponsorship funding.

Questions and Discussion

