



## K2 Wind - Project Overview

# K2 Wind – the Partners

In August 2011, **Capital Power, Samsung Renewable Energy** and **Pattern Energy** (the project partners) entered into a limited partnership for the development, construction and operation of the K2 Wind Power Project.

The Ontario Power Authority (OPA) signed a Power Purchase Agreement (PPA) for the Project in 2011.

Capital Power contributed the project lease agreements and development work to the partnership, while Samsung and Pattern contributed the PPA and transmission access rights.

# Project Highlights

- The K2 Wind Power Project, is a **270 megawatt (MW)** wind project being developed in the Township of Ashfield-Colborne-Wawanosh
- The Project has been in development since 2005
- K2 Wind received its Renewable Energy Approval (REA) from the Ministry of the Environment on July 23, 2013

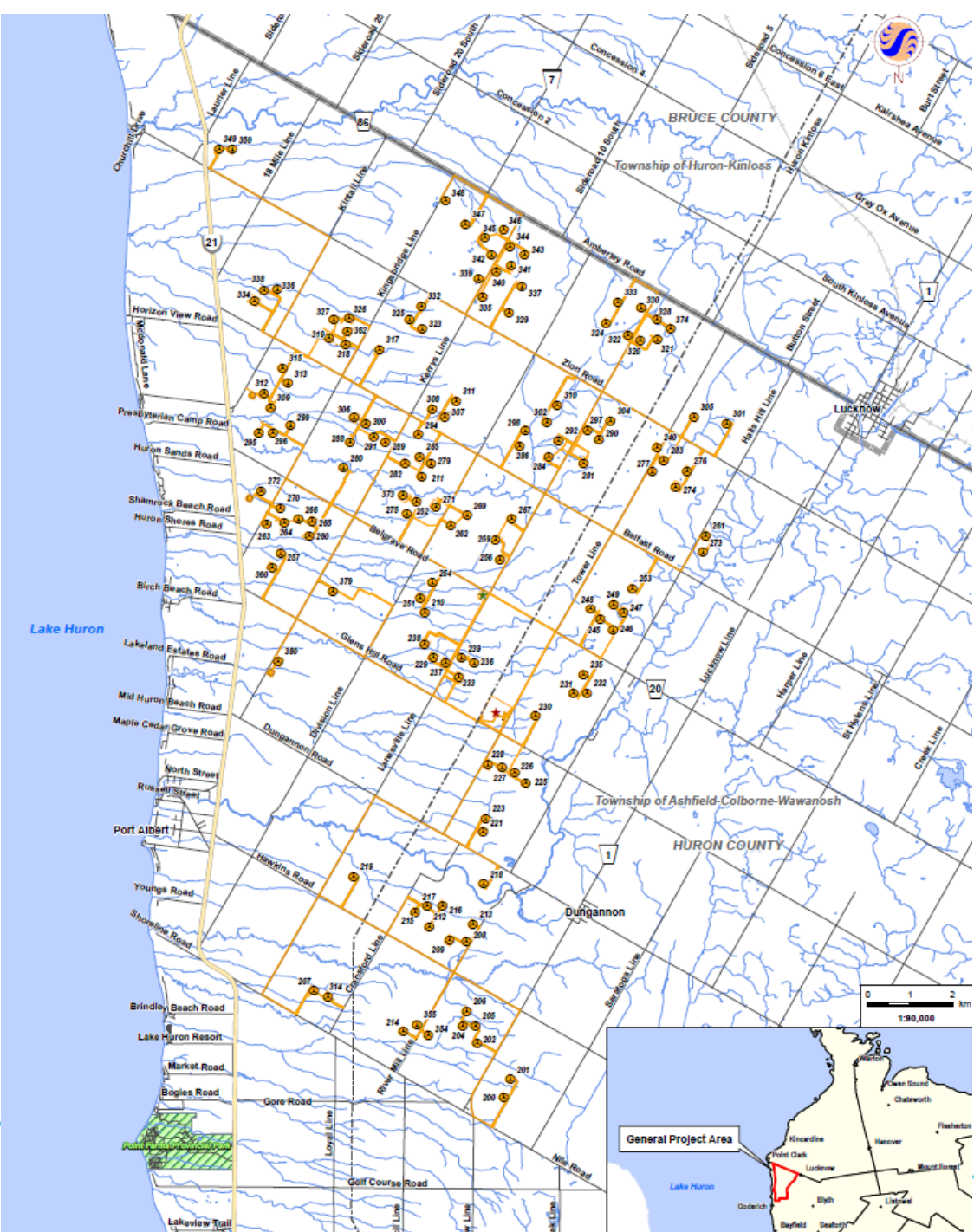
# Project Description

- The K2 Wind Power Project design will include:
  - 140 Siemens SWT 2.3 wind turbines located on privately owned leased lands;
  - Electrical collection and communications systems including a transmission line, collector lines, data cables, two substations and a Hydro One switching station for connection to the existing 500 kV transmission line;
  - An operations and maintenance building;
  - Protection and control buildings;
  - Meteorological towers;
  - Turbine access roads; and
  - Temporary construction and laydown areas.

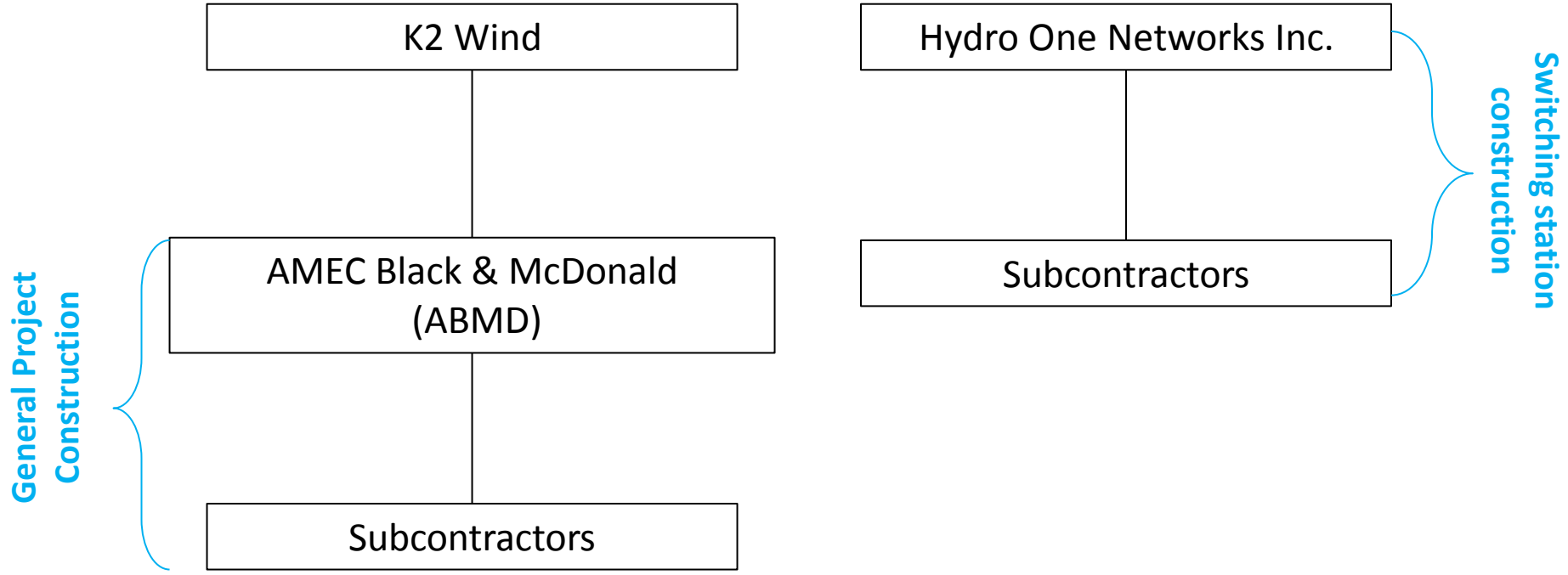
# Project Studies

As part of the REA process, experts and scientists have been engaged by K2 Wind to conduct studies on a wide range of environmental, cultural and technical elements, including:

- **Archaeological assessments** of all buildable areas for the Project location on private lands;
- **Sound modelling** for residences, schools, community centres and properties within 5 km of proposed Project turbine locations;
- **Detailed vegetation surveys**, including assessing the presence or potential of rare plants;
- **Bat, bird and raptor surveys**, which included extensive field assessments of the various species and their habitat; and
- **Wetland, forest** and **waterway** evaluations.



# Construction Management Process



# Anticipated Project Timeline

- **Late 2013** – preliminary civil work
- **Early 2014** - access roads, turbine excavations
- **Spring 2014** - Turbine foundations poured, electrical system and substations commence
- **July 2014** - Turbines arrive, installation begins
- **Mid-2015** - Project operations to begin



# Health & Safety

- The health and safety of the local community and project contractors is our top priority
- Traffic management plan to be implemented
- Detailed Health & Safety Plan will be prepared and implemented by ABMD

# Questions?

