

GRAND BEND WIND FARM

A 50/50 Partnership with
**Northland Power Inc. and Giiwedin
Noodin FN Energy Corporation**



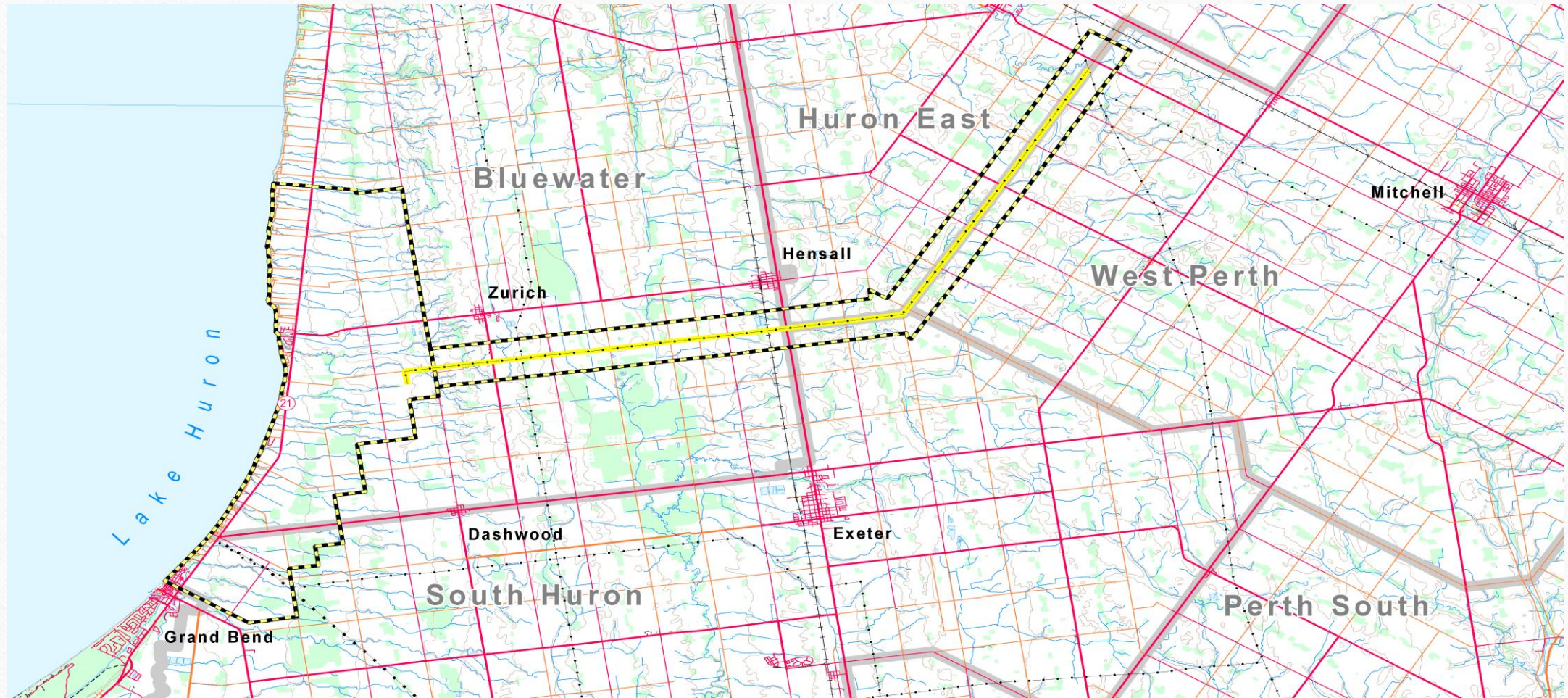
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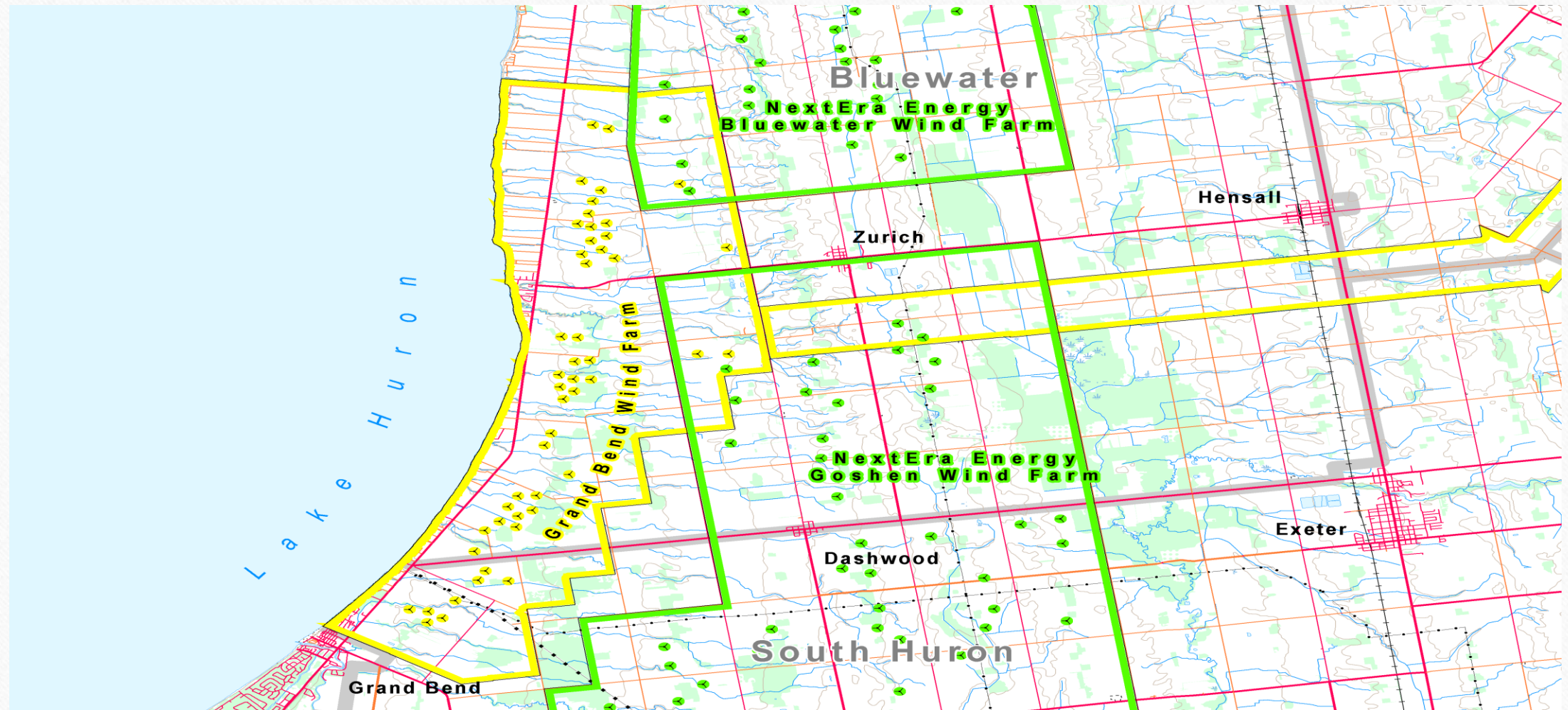
Project Overview

- The Grand Bend Wind Farm is a 100 MW wind facility comprised of:
 - 40 turbines with access roads and underground electrical collection system.
 - A sub-station which takes the collected power from the turbines and “steps up” the voltage to the transmission voltage
 - A 30 km buried transmission line to deliver the power to the connection point near Seaforth.
- All turbines are located to the east of Highway 21. The closest turbine is 650 m from the Highway. The majority of the turbines are over 1,000 m from the Highway.
- The infrastructure for the project entirely located on private land except for some of the electrical collection cables and most of the electrical transmission cables which are installed in municipal right of ways.

Project Area



Other Projects in Immediate Vicinity



Project Modifications

Based on feedback from the community and as a result of our investigations, we've made the following project changes:

- **15% reduction in number of turbines** - from 46 to 40.
- **Selection of the northern transmission route** to avoid environmentally sensitive areas, more densely populated areas, and reduce its length;
- Underground 230 kV transmission line – **the first in North America.**
- Selection of **radar technology** to reduce duration of blinking lights.





























Thank you

Questions