

As the engineering consultant for the Town of Ontario, MRB Group was responsible for reviewing an application proposed by Northern Development, LLC, to construct a 900kW, 71m hub height (332 foot tall base-to-tip of blade) private wind turbine immediately adjacent to an industrial facility, Harbec Plastics.

The turbine was proposed to supplement power to the facility, provide renewable energy, and promote green development in Ontario's industrial park.

MRB Group reviewed potential environmental concerns and provided a professional assessment to the Town Planning and Zoning Boards related to the turbine development and location.

Review considerations included:

- Jurisdictional agency compliance
- Shadow flicker
- Noise
- Telecommunications
- General environmental impacts
- Wetlands
- Drainage
- Roadway / transportation network impacts (pre-, mid-, post-construction)

MRB Group assisted the Town in consideration of zoning variances requested, specifically the height and setback requirements cited within the Town Code for wind power development.

MRB Group was sensitive to the potential for strong, differing public opinion and recommended an objective, scientific approach. The result was a successful and deliberate public process of weighing the potential benefits of the installation of the turbine, the overall benefits of renewable energy, and the potential impacts to the surrounding environment and public.

