



February 28, 2011

Your file  
Niagara Region Wind Project  
Our file  
10-3967

Ms. Renee Kenny  
Hatch  
Suite 500, 4342 Queen Street  
Niagara Falls, ON  
L2E 7J7

**RE: Wind Farm: 31 Wind Turbines (See attached spreadsheet) - Hamilton, ON**

Dear Ms. Kenny,

We have evaluated the captioned proposal submitted through the NAV CANADA Land Use Submission Process and find that a wind farm at the proposed location will be visible from the Hamilton Radar (all turbines) and Toronto Radar (turbines H074 and H039) thus causing the following negative impacts on our operations:

- a) a large number of nuisance (false) primary radar targets in the wind farm geographical limits and its immediate vicinity,
- b) a significant reduction to our capability to identify and track primary surveillance targets in the above mentioned area,
- c) our inability to provide full traffic information to our aviation customers when a primary only surveillance target (s) is in the area,
- d) an increase in the controllers' workload in the affected area,
- e) a decrease in flight safety for aircraft operating in the area,
- f) a potential overload condition in our radar data processing systems, and
- g) a potential requirement to desensitize our primary radar to eliminate false targets as well as real targets if the problem justifies this course of action.

This wind farm will also have the following impacts on nearby airports.

- a) Raise Grimsby Airpark, ON (CNZ8) Obstacle Clearance Circle (OCC) SW quadrant to 2200 vice 1900 and SE quadrant to 2200 vice 2100.
- b) Raise Stoney Creek, ON (CPF6) OCC SW quadrant to 2200 vice 2000 and SE quadrant to 2200 vice 1900.

Due to the nature and significance of the negative impact on our capabilities and services, NAV CANADA objects to this project moving forward.

If you have any questions, contact the Land Use Department by telephone at 1-866-577-0247 or e-mail at [landuse@navcanada.ca](mailto:landuse@navcanada.ca).

Yours truly,

A handwritten signature in blue ink, appearing to read "P. Pinard", written over a light blue horizontal line.

Paul W. Pinard  
for  
Dave Legault  
Manager, Data Collection  
Aeronautical Information Services

cc ONTR-Ontario Region, Transport Canada  
CNZ8-GRIMSBY AIR PARK  
CPF6-STONEY CREEK  
Roland Tschupruk, NAV CANADA, NCM Hamilton, Kitchener Tower and St. Catharine's FSS  
Jacques Lemire, NAV CANADA, Surveillance Operational Systems Requirements Specialist



Dave Parco, NAV CANADA, MATCOR  
Madeleine Ménard, NAV CANADA, Assistant General Counsel  
Jeff MacDonald, NAV CANADA, Director - Operations Planning and Programs