

## Fact File

### Navigational lights

From ground to highest blade peak, the Huron Wind turbines are 117-metres tall. In accordance with Canadian aviation regulations, objects taller than 91 metres require some form of lighting.

The wind turbines at Huron Wind are located on a ridge that looks out over the Bruce Power nuclear generation stations in an area not associated with the regular flight paths of aircraft. Nevertheless, their location is recorded by NAV CANADA. Although commercial planes do not regularly use the air space, the shoreline of nearby Georgian Bay is a common flight path for small planes.



**Phil Stevens of Ontario Power Generation, assigned to Huron Wind during construction, poses next to the light beacon (at right) on top of a nacelle.**

NAV CANADA is a private corporation, which owns and operates Canada's civil navigation service. It provides airlines, aircraft owners and operators with services that include air traffic control, flight information, weather briefings, airport advisory services and electronic aids to navigation. It has operated the service in Canada since 1996 and is regulated by Transport Canada.

NAV CANADA was advised of the Huron Wind project during the planning stage and provided the lighting specifications. Although there are other tall structures in the area, including high-voltage transmission lines, the specifications for the various objects are not necessarily the same. Height as well as the grouping of objects and light pollution is also taken into consideration.

To ensure up-to-date aeronautical publications and to allow NAV CANADA to issue Notices to Airmen (NOTAM), the Huron Wind project was identified as Construction Start Notification, NC File No 5168-2-02002-040.



The Global Positioning System (GPS) coordinates for the five turbines follow:

<u>Turbine No.</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Elevation</u>
WTG02	44-18-55.55328 N	81-32-48.58719 W	758.02'
WTG03	44-19-05.83565 N	81-32-25.44332 W	754.38'
WTG04	44-18-55.18901 N	81-32-33.49563 W	770.08'
WTG05	44-19-04.48482 N	81-32-38.90232 W	753.70'
WTG06	44-18-40.30045 N	81-32-44.83125 W	757.40'

All locations were taken within two feet of the south side of tower.