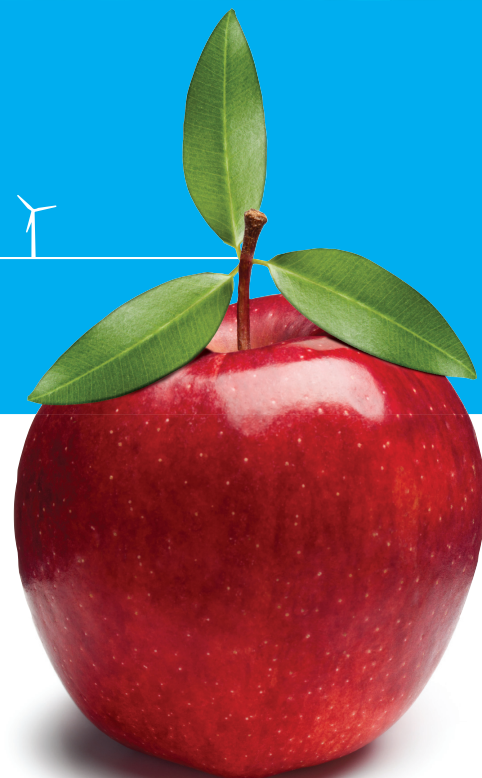




WIND FACTS

HEALTH

Wind energy is generating clean electricity, new jobs and economic development opportunities in communities across the country. While wind energy has enjoyed growing success in many countries for several decades, it is a relatively new contributor to the power system here in Canada. As such, it is natural for people to ask questions. As a responsible industry, we are committed to ensuring Canadians have the most up-to-date factual information on wind energy.



Wind Energy: Providing Clean and Safe Power

A growing body of peer-reviewed scientific evidence clearly indicates there is no direct link between wind turbines and health effects in humans.

One of the most thorough examinations of the issue to date is a report released in December 2009 by an expert panel of medical doctors, audiologists, and acoustical professionals. The panel, established by CanWEA and the American Wind Energy Association, reviewed existing scientific literature on the perceived health effects of wind turbines and concluded there is “nothing unique” about the sounds they emit and no evidence they could plausibly have direct adverse physiological effects.

(continued on next page)

“According to the scientific evidence, there isn’t any direct causal link between wind turbine noise and adverse health effects.”¹

-Dr. Arlene King, Ontario’s Chief Medical Officer of Health



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Ontario's Chief Medical Officer of Health and the National Public Health Institute in Quebec reached the same conclusion in their own independent reviews of available evidence.

Responsible siting of projects and meaningful community engagement will address any sound impacts for neighbouring homes and communities. Ontario, for example, has the most stringent regulations in Canada with its requirement that turbines be at least 550 metres from dwellings.

Wind power for clean air.

While operating, wind turbines are powered by wind, producing no greenhouse gasses or pollution.

WHAT DO THE EXPERTS SAY?

"The body of accumulated knowledge provides no evidence that the audible or sub audible sounds emitted by wind turbines have any direct adverse physiological or health effects."

Dr. Robert McCunney, Pulmonary Division Specialist in Occupational and Environmental Medicine, Massachusetts General Hospital, Wind Turbine Sound and Health Effects: An Expert Panel Review

"The infrasound generated by wind turbines is not of sufficient intensity to cause health problems, or even a nuisance."

National Public Health Institute of Québec study, 2009

"Ontario doctors, nurses and other health professionals support energy conservation combined with wind and solar power, to help us move away from coal."

2011 advertising campaign sponsored by the Ontario College of Family Physicians, Registered Nurses Association of Ontario, the Asthma Society of Canada and the Ontario Lung Association

Interested in learning more? These links will take you to PDFs:

[Wind Turbine Sound and Health Effects: An Expert Panel Review](http://www.canwea.ca/pdf/talkwind/Wind_Turbine_Sound_and_Health_Effects.pdf)

(www.canwea.ca/pdf/talkwind/Wind_Turbine_Sound_and_Health_Effects.pdf)

[Executive Summary, Conclusions and Panel Member Biographies](http://www.canwea.ca/pdf/talkwind/Wind_Turbine_Sound_and_Health_Effects-Executive_Summary.pdf)

(www.canwea.ca/pdf/talkwind/Wind_Turbine_Sound_and_Health_Effects-Executive_Summary.pdf)

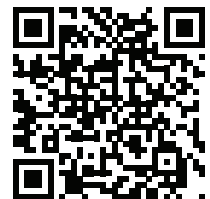
[The Potential Health Impacts of Wind Turbines](http://www.health.gov.on.ca/en/public/publications/ministry_reports/wind_turbine/wind_turbine.pdf) (report by Ontario Chief Medical Officer of Health)

(www.health.gov.on.ca/en/public/publications/ministry_reports/wind_turbine/wind_turbine.pdf)

[Wind Turbines and Public Health](http://www.inspq.qc.ca/pdf/publications/1015_EoliennesSantePublique.pdf) (study by National Public Health Institute of Québec)

(www.inspq.qc.ca/pdf/publications/1015_EoliennesSantePublique.pdf)

¹ The Potential Health Impacts of Wind Turbines. (Ontario Chief Medical Officer of Health, May 2010)



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