

Shirley Wind Overview:

December 2010 - 8 Nordex 2.5 MW wind turbines, 492' tall, developed by Emerging Energies LLC, began commercial operation, supplying electricity to the WI Public Service Corporation.

2011 – Shirley Wind purchased by Duke Energy

2010 – 2012 – complaints received from 75 people in the project area, including 50 affidavits filed with the PSC, and 3 homes were vacated due to adverse health impacts.

January 10, 2012 - Brown County Board of Health requested “*temporary financial relocation assistance from the State of Wisconsin for those Brown County families that are suffering adverse health effects and undue hardships caused by irresponsible placement of industrial wind turbines around their homes and properties.*”

February 2012 – Investigation of low frequency noise and infrasound conducted by Richard James.

December 2012 – Cooperative measurement survey and analysis of LFN/I conducted at Shirley by:

Channel Islands Acoustics – Dr. Bruce Walker, Camarillo, CA

Hessler Associates – George F. and David M. Hessler, Haymarket, VA

Rand Acoustics – Robert Rand, Brunswick, ME

Schomer & Associates – Dr. Paul Schomer, Champaign, IL

Conclusion: Strongly recommended additional testing at Shirley. “Cooperation with the wind farm operator is absolutely essential”. *Duke refused.*

August 6, 2014 – negatively impacted residents within Shirley Wind sent request letter to Brown County Health Department “*to protect the health and well-being of the residents who are in extreme peril*”.

October 14, 2014 – Brown County Board of Health unanimously approved the motion “*to declare the Industrial Wind Turbines at Shirley Wind Project in the Town of Glenmore, Brown County, Wisconsin a Human Health Hazard for all people (residents, workers, visitors, and sensitive passersby) who are exposed to infrasound? Low frequency noise and other emissions potentially harmful to human health*”.

February 18, 2015 – Chua Xiong, RN, MSN was appointed Brown County Health Department Director by the Brown County Board of Supervisors.

December 15, 2015 – Xiong publicly stated, “*Presently there is insufficient evidence-based research to support the relationship between turbines and health concerns*”

March 16, 2016 – Chua Xiong resigned.

May 18, 2016 - Brown County Citizens for Responsible wind Energy presented a document providing evidence that Chua Xiong's conclusions lacked validity and were based on a flawed process fraught with a multitude of failures of due diligence..

July 2016 – Vote to overturn the 2014 ruling of Human Health Hazard failed, thus the ruling still stands.

February 15, 2017 – Dr. Herb Coussons addressed the Brown County Board of Supervisors. (Comments included in packet.)

* Overwhelming science behind the link to health issues, particularly at Shirley and Fond du lac.

* Three decades of reports of adverse health effects.

* Syndrome vs. Disease

* FDA vs. OSHA

* Vibroacoustic Disease

* CMS (Centers for Medicare and Medicaid Services)

ICD-10 codings T75.2 vertigo from infrasound

Line 76128 vibration – vertigo

September 12, 2017 - Brown County Human Services Committee and the Brown County Board of Health hosted a joint meeting where four guest speakers gave presentations, followed by two hours of questions and answers from county officials and the public. (Press release included in packet.)

September 19, 2017 - Glenmore's Planning Commission recommended to the Town Board that they direct Duke to eliminate shadow flicker within 90 days in order to renew their conditional use permit.

Shirley Wind has become one of the most studied projects in the industry, gaining global attention.

Cynthia Hellert

09/25/17