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State of Minnesota HOUSE OF REPRESENTATIVES

NINETY-FIRST SESSION

H. F. No. **2390**

03/11/2019 Authored by Swedzinski and Jordan

The bill was read for the first time and referred to the Energy and Climate Finance and Policy Division

1.1 A bill for an act
1.2 relating to energy; requiring certain lighting systems atop wind turbines; proposing
1.3 coding for new law in Minnesota Statutes, chapter 216C.

1.4 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.5 Section 1. **[216C.49] WIND TURBINES; LIGHTING SYSTEMS.**

1.6 (a) An owner of a wind turbine requiring a permit under sections 360.81 to 360.91, and
1.7 an owner of a wind turbine required to install a light or lighting system atop a wind turbine
1.8 by a political subdivision, must install a functioning aircraft detection lighting system atop
1.9 the wind turbine that meets the requirements for aircraft detection lighting systems in the
1.10 current version of the Federal Aviation Administration's Advisory Circular 70/760-1,
1.11 Obstruction Marking and Lighting, as updated. An aircraft detection lighting system installed
1.12 on a wind turbine in Minnesota must be purchased from a vendor approved by the Federal
1.13 Aviation Administration.

1.14 (b) For the purposes of this section, "aircraft detection lighting system" means a
1.15 sensor-based system that (1) uses radio frequency to detect aircraft approaching an obstruction
1.16 or group of obstructions, and (2) automatically activates appropriate obstruction lights until
1.17 the lights are no longer needed by the aircraft. An aircraft detection lighting system may
1.18 include an audio feature that transmits an audible warning message to provide a pilot
1.19 additional information regarding an obstruction the aircraft is approaching.

1.20 **EFFECTIVE DATE; APPLICATION.** This section is effective the day following
1.21 final enactment. A wind turbine issued a permit under Minnesota Statutes, sections 360.81
1.22 to 360.91, prior to the effective date of this section, and a wind turbine required to install a
1.23 light or lighting system atop a wind turbine by a political subdivision before the effective

- 2.1 date of this section, must install an aircraft detection lighting system no later than December
- 2.2 31, 2020.