

~~staff~~ Dr. Angie Hejl

Chairman Nelson, Commissioners, My name is and I live.....

~~As a scientist~~

am a longtime
science ^{instructor} ~~teacher~~
from Yankton
~~I could address many~~

~~Many have concerns about wind ~~energy~~~~

~~energy~~ ~~and recently~~ but ~~brief~~
I support wind for many reasons but will
I have concerns about ^{supplies, climate} ~~depled~~ ^{mention} ~~only~~ ^{people} ~~to be~~ ^{brief}
on fossil fuels. It really appears
that promoting clean, sustainable
energy is not only in our best
interest now, but a positive
legacy for future generations
and environmentally responsible

Thank You and I support wind energy.

We
need
energy!

Chairman Nelson, Commissioners, My name is and I live

Some ~~Many~~ people have concerns about bird deaths
I heard that ~~birds collide with wind turbines, which concerned me.~~ What I
found out is that all the wind turbines in the Country kill 200,000-400,000 birds
per year. That sounded like a lot until I looked into it.

Did you know that collision with cars and trucks cause 50 to 100 million bird
deaths a year? Hunting causes 100+ million bird deaths a year and collision with
windows cause up to 900 million bird deaths a year (that 2250 times what wind
turbines cause).

Anybody that concerned with bird deaths should really be against driving cars,
hunting and houses with windows too.

Thank You

Give the Commissioners: Bird Deaths in a year.

Bird Deaths a Year

The number of birds that are impacted as a result of collisions with wind turbines is an extremely small fraction of human-related avian fatalities. **About 2-4 birds per wind-powered megawatt are lost annually as a result of U.S wind energy generation. That's less than 200,000-400,000 birds per year based on current installed wind capacity, according to the most recent analysis of data from 109 post-construction studies performed at 71 facilities across the United States.**

Glass Windows cause 100 to 900+ million deaths a year:

Dr. Daniel Klem of Muhlenberg College has done studies over a period of 20 years, looking at bird collisions with windows. His conclusion: glass kills more birds than any other human related factor.

Hunting causes 100+ million deaths a year:

According to the U.S. Fish and Wildlife Service, more than 100 million ducks, geese, swans, doves, shorebirds, rails, cranes, among others are harvested legally each year.

House Cats cause 100+ million deaths a year (some quote over a billion):

The National Audubon Society says 100 million birds a year fall prey to cats. Dr. Stan Temple of the University of Wisconsin estimates that in Wisconsin alone, about 7 million birds a year are killed by cats

Electric Transmission Line Collisions cause 130 million deaths a year:

Estimates made by the U.S. Fish and Wildlife Service demonstrate millions of birds die each year as a result of colliding with transmission lines and electrocution.

Automobiles/Trucks cause 50 to 100 million deaths a year:

Scientists estimate the number of birds killed by cars and trucks on the nation's highways to be 50 to 100 million a year. Those statistics were cited in reports published by the National Institute for Urban Wildlife and U.S. Fish and Wildlife Service.

Agriculture causes 67 million deaths a year:

Pesticides likely poison an estimated 67 million birds per year according to the Smithsonian Institution. Cutting hay may kill up to a million more birds a year.

Communication Towers cause 4 to 10 million deaths a year:

U.S. Fish and Wildlife Service estimates that bird collisions with tall, lighted communications towers, and their guy wires result in 4 to 10 million bird deaths a year.

Oil and Gas Extraction cause 1 to 2 million deaths a year:

The U.S. Fish and Wildlife Service reports that up to 2 million birds died landing in oil pits to bathe and drink in 1997. Fish and Wildlife says netting has improved that situation somewhat. There are no overall estimates for the number of birds affected by oil and gas spills, and oil and gas extractions (and transport.)

Land Development and loss of grasslands deaths per year are unknown, but the National Audubon Society says loss of bird habitat is the greatest threat to bird populations.