

Re: appeal by Darryl Mueller of Alameda County Planning Office's decision of January 14, 2016 regarding the Altamont Winds Inc. conditional use permit PLN2015-00157 - Zoning Adjustments.

Dear Sirs,

Please add the following testimony to the supporting documents for Darryl Mueller's appeal.

If a signed copy is needed, I will be glad to oblige.

Testimony of Save the Eagles International

Contrary to dubious studies financed and controlled by vested interests, the population of golden eagles in the Western States is on the decline. Wind farms are the main cause. Both the issuing of golden eagle take permits (licenses to kill), and the repowering of the Altamont Pass WRA, **will accelerate this decline towards extinction.**

At the large wind farm of Altamont Pass, California, 116 golden eagles (GE) have been reported to be killed by turbine blades yearly. This was established by a comprehensive study realized by Dr Smallwood in 2004 (1). Extrapolating to the 25 years of existence of the wind farm, this would represent **a toll of about 2,900 golden eagles.** Adding to this the mortality at other wind farms in the Western United States (2), this is clearly unsustainable. Indeed, recent studies have reported an apparent decline of the GE population at two different places in California (3), and the number of active nests in the vicinity of Altamont Pass has declined considerably (4).

The Altamont Pass wind farm should have been closed down and decommissioned a long time ago. But **pork-barrel politics** have kept it in operation, and now the authorities are minded to authorize its continuation for another 25 years through repowering. Old wind turbines are to be replaced by much bigger ones, which are reported to kill twice as many eagles per megawatt (5). There will be less of them, but the total area swept by their blades will be much larger. So the carnage of eagles is likely to increase,

notwithstanding biased studies pretending fewer birds will die. All other things being equal, if as reported a) the new turbines kill twice as many eagles per MW, and b) the wind farm's rated capacity is also to be doubled, **“repowered” Altamont could be killing 4 times as many golden eagles as with the old turbines.**

Another aberration is the willingness of the US Fish and Wildlife Service (FWS) to issue “take permits” (licenses to kill) for golden eagles at new wind farms, for example in Oregon (6) and Wyoming (7). Save the Eagles International firmly opposes this perversion, which has illegally but effectively changed the mission of FWS from preserving biodiversity to that of catering to the interests of an industry, an ineffective and ruinous one to boot.

STEI solemnly warns the Western States that **biologically-blind policies will cause the extinction of the Golden Eagle, the California Condor**, and other species of raptors. Considering that the Eastern and Central States are not acting any better, it is biodiversity in the whole of the contiguous 48 States which is in peril, including other species such as the **Whooping Crane**. No amount of bad science financed by the wind industry and government agencies has been able to convince honest conservationists that wind farms don't harm bird and bat populations.

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References:

- (1) – Page 73, Table 3-11: Species/Taxonomic group: Golden eagle
Mortality per year:
– adjusted for search detection: 75.6
– adjusted for search detection and scavenging: 116.5

DEVELOPING METHODS TO REDUCE BIRD MORTALITY IN THE
ALTAMONT

PASS WIND RESOURCE AREA – Shawn Smallwood & Carl Thelander
(2004) – for the California Energy Commission.

(2) – Examples of golden eagles found dead at other Western US wind farms:

- “Federal authorities are investigating the deaths of at least six golden eagles at the Los Angeles Department of Water and Power’s Pine Tree Wind Project in the Tehachapi Mountains, the U.S. Fish and Wildlife Service said Tuesday.”

<http://www.latimes.com/news/local/la-me-wind-eagles-20110803,0,2891547.story>

- “So far this year, for Rocky Mountain Power’s 13 projects, there have been six eagle deaths, most of them golden eagles, Talmann said.”

http://trib.com/business/energy/how-many-dead-eagles/article_97ae9f28-9b10-5673-b788-9f3af7ee7a27.html

- etc.

This is only the tip of the iceberg, because much of the evidence is made to disappear.

And this is a prediction from Wyoming: “The group predicted more than 700 raptor deaths at the project per year, including more than 200 golden eagles.” See (7) below.

(3) – “The (Ocotillo) EIR (environmental impact report) states “The golden eagle population appears to be declining”. http://savetheeaglesinternational.org/?page_id=629

– “Differences in detections (at Altamont Pass) over the last decade included an apparent 56 percent decrease in golden eagles.” RANGE MANAGEMENT PRACTICES TO REDUCE WIND TURBINE IMPACTS ON BURROWING OWLS AND OTHER RAPTORS IN THE ALTAMONT PASS WIND RESOURCE AREA, CALIFORNIA – California Energy Commission, PIER Final Project Report – Dr Smallwood et al. (October 2009)

(4) – Personal comments of Jim Wiegand, California raptor specialist, VP USA STEI, and Brian Murphy*, Board member, Mount Diablo Audubon Society.

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(5) – Wind turbines with a capacity of 1MW, wrote Dr Smallwood, kill more golden eagles per megawatt than most other wind turbine categories: 0.08 per MW /year as compared to about 0.04. Thus, all other things being equal, and considering that its rated capacity is also to be doubled, “repowered” Altamont could be killing 4 times as many golden eagles as with the old turbines.

http://www.altamontsrc.org/alt_doc/p145_smallwood_fatality_monitoring_results_12_31_09.pdf

page 41, table 5

(6) – Oregon: “The Interior Department’s Fish and Wildlife Service on Tuesday released a draft environmental assessment that would allow West Butte Wind Power LLC to kill as many as three protected golden eagles over five years if the company fulfills its conservation

commitments.” <http://usnews.msnbc.msn.com/news/2012/01/04/9952873-feds-propose-allowing-wind-farm-developer-to-kill-golden-eagles>

STEI comment: windfarm employees can make sure no more than 3 carcasses are found.

(7) – Wyoming: “That means the Chokecherry and Sierra Madre wind project could kill 120 raptors a year, including 36 golden eagles. That’s a far lower number than an estimate produced by HawkWatch International, a Salt Lake City-based nonprofit group dedicated to monitoring and protecting birds of prey. The group predicted more than 700 raptor deaths at the project per year, including more than 200 golden eagles.”

http://trib.com/business/energy/how-many-dead-eagles/article_97ae9f28-9b10-5673-b788-9f3af7ee7a27.htm

END

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