

From: [CEQAResponses](#)
To: [Werner, Steve](#); [Ford, John](#); [Shortridge, Tricia](#); [Humboldt Wind](#); [Elizabeth Burks](#)
Subject: FW: Humboldt Wind Energy
Date: Friday, June 14, 2019 4:59:29 PM
Attachments: image001.png

Thanks,



Tasheena Evenson
[Planning and Building Department](#)
 Code Enforcement
 Legal Office Assistant II
 Direct: 707.268.3733
tevenson1@co.humboldt.ca.us

From: Dena Ibrahim <wetpinkpaint@icloud.com>
Sent: Friday, June 14, 2019 4:57 PM
To: CEQAResponses <CEQAResponses@co.humboldt.ca.us>
Subject: Humboldt Wind Energy

To: Humboldt Wind Energy Project Planner at Humboldt County Planning Dept.
From: Dena Ibrahim, resident Petrolia, CA

Dear Sir or Madam:

I am writing to you in regards to the Humboldt Wind Energy Project and the concerns I have come across during reading the draft E.I.R.

First off please let me say thank you to all agencies involved in understanding the gravity of the situation and the enormity of this project.

This will forever change the proposed area of development and though I understand the need for energy from other sources besides fossil fuels certain areas may be better suited than this proposed project area as the concentration of birds and bats whether migratory or local plays a major factor here. Especially species that rely on tree roosting. Yes the wind is there but there also is a large concentration of highly diverse species within the borders of Humboldt County.

In looking over some the biological effects of this project and mitigation measures it appears that the surveys made on avian species is based on just one year of data. That seems like a very small data set to rely on for a project of this nature.

Under section 3.5-1 construction-related impacts are listed as potentially significant as it could

I165-1



affecting nesting activity thereby reducing productivity.

Under section 3.5-2 operational impacts on marbled murrelet the impact is listed as potentially significant and that given the lack of prior information on marbled murrelets and depending on passage rates during a season this can affect the model and the actual number of mortalities is increased to 20.86 marbled murrelets during the lifetime of the project.

Considering that this project could have a considerable effect on the marbled murrelet's population level this impact should be looked into further and perhaps with a larger set of data regarding passage rates of marbled murrelets in the proposed area.

Also in regards to the bat survey section 4.1 says that at some point there was data loss due to premature battery failure and equipment shutdown for unknown reasons; and section 4.4 species composition of the 155,888 files recorded by bat pulses in an additional 25,088 files categorized as "unknown bats" so perhaps more surveys are needed to see if the same result occurs in regards to these "unknown bats."

The concern is that migratory bats and breeding will be greatly affected by this project in the proposed area where many of these bats are tree roosting. Please see the articles provided below by Paul M. Cryan "Wind Turbines As A Landscape Impediment To The Migratory Connectivity Of Bats." Also please see the article by Theodore J. Weller & Craig A. Stricker "Northern California Redwood Forest Provide Important Seasonal Habitat For Migrant Bats".

And in the event this project proceeds then a possible mitigation for bats is to place Radar to avoid collision and Barotrauma. Please see the article provided by Charles Q. Choi "Radar Could Save Bats From Wind Turbines". This could save bats from wind turbines. And also to shut them down during migratory and breeding periods.

Also section 3.5-3 and 3.5-4 regarding Bald and Golden Eagles habitat and loss of suitable foraging habitat is listed as potentially significant and should possibly require a larger data set on which to rely upon before proper mitigation measures can be established. Please see the study by Purdue University dated Sept 29, 2016 in Science Daily "Wind Turbines Killing More Than Just Local Birds". Please also see the American Bird Conservancy article below regarding wind energy and birds/bats.

And also the threat of fire from these large turbines in such a heavily forested area really raises some concerns. Who will pay to clean up the mess if such a disaster would happen? Please see the article provided below regarding wind turbine fires.

Perhaps rethinking this project or placing it in area without such a heavy concentration of birds and bats and heavily forested areas may be the answer here. Also if we kill all these birds and bats eventually we will be taken over by insects. We need to be careful not to upset the balance and have a domino effect occur.

We need to be stewards of the environment for future generations because today we list species as species of special concern but soon we will see their extinction like so many other species on this



I165-1
(Cont.)

I165-2

I165-3

I165-4

I165-5

planet because of human activities.

There is a Native American saying that states “We do not inherit the land from our ancestors, we borrow it from our children.”



I165-5
(Cont.)

Thank you for your time.

https://www.fs.fed.us/psw/publications/documents/psw_gtr238/psw_gtr238_447.pdf

<https://www.lclark.edu/live/files/8520-412cryan>

http://www.nbcnews.com/id/32034204/ns/technology_and_science-science/t/radar-could-save-bats-wind-turbines/

<http://turbinesonfire.org/>

<https://www.sciencedaily.com/releases/2016/09/160929143808.htm>

<https://abcbirds.org/wind-energy-threatens-birds/>

Sent from my iPhone