

**SUPPLEMENTAL INFORMATION**

**No.**

For Board of Supervisors Agenda of:

December 16, 2019

Item No. I-1

Re: Applicant: Humboldt Wind  
Case Numbers: CUP-18-002

Attached for the Supervisor's consideration are public comments received electronically.

ADAMS BROADWELL JOSEPH & CARDOZO

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December 10, 2019

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Via Overnight Mail

Rex Bohn, Chair  
and Supervisors  
c/o Kathy Hayes, Clerk of the Board  
Humboldt County Board of Supervisors  
825 Fifth Street, Room 111  
Eureka, CA 95501

Re: Humboldt Wind Energy Project (SCH No. 2018072076,  
Case No. PLN-13999-CUP, Application Number 13999)

Dear Chair Bohn and Supervisors:

We are writing on behalf of Citizens for Responsible Wind Energy regarding the November 2019 Final Environmental Impact Report SCH# 2018072076 prepared by Humboldt County, pursuant to the California Environmental Quality Act,<sup>1</sup> for the Humboldt Wind Energy Project proposed by Humboldt Wind, LLC, which is owned by Terra-Gen.<sup>2</sup>

On June 14, 2019, we submitted comments on the County's Draft EIR, raising various legal errors in the County's environmental review document, prepared pursuant to the California Environmental Quality Act ("CEQA").<sup>3</sup> We reviewed the Final EIR and the County's responses to our comments and have found that the responses address many of the concerns raised in our comment.

<sup>1</sup> Public Resources Code § 21000 *et seq.*

<sup>2</sup> Humboldt County Planning and Building Department, Final Environmental Impact Report for the Humboldt Wind Energy Project, SCH No. 201872076, (Nov. 2019) (hereafter "FEIR").

<sup>3</sup> Letter from Kyle C. Jones, Adams Broadwell Joseph & Cardozo to Humboldt County Planning and Building Department, re: Comments on the Draft Environmental Impact Report for the Humboldt Wind Energy Project (SCH No. 201972076), (June 14, 2019).

4378-039j

December 10, 2019

Page 2

In addition, we are pleased to report that Citizens and the Applicant have negotiated and executed a legally enforceable settlement agreement pursuant to which the Developer has agreed to conduct post-construction avian fatality monitoring to address the impacts of development on birds.

Based on the legally enforcement settlement agreement, the Project changes and the County's responses to our comments on the Draft EIR, the concerns of Citizens have been settled and resolved and Citizens supports approval of the Project.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Jones', with a long horizontal flourish extending to the right.

Kyle C. Jones

KCJ:lj

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December 8<sup>th</sup> 2019

BOARD OF SUPERVISORS

**RE: Denial Humboldt Wind Project Permit**

Humboldt County Supervisors Estelle Fennell, Rex Bohn, Steve Madrone, Virginia Bass and Mike Wilson,

I'm writing to detail my opposition to the Terra Gen wind generator construction project which has come to the Board for consideration, and concerning which you are expected to make determination in the next week. As you know the Humboldt County Planning Commission after careful study and examination of documents, analytic material, including letters and public comment from county inhabitants, has recommended that you reject it. Since examining such projects as Terra Gen's proposal is part of the mandate of the Planning Commission, in a sense your work has been done for you. Please, then, weigh their decision seriously.

#### GREENHOUSE GAS EMISSION

The project was originally taken into consideration by the RCEA as a way to address the looming climate catastrophes caused by ever-increasing greenhouse gases (GG) in our planet's atmosphere. However, Terra-Gen's wind generation proposal for our county DOES NOT ADDRESS THIS ISSUE, which was the sole purpose of RCEA's original interest in it.

"It is not possible to state that operation of the project would directly replace energy generated by fossil fuel fired plants"- is Terra Gen's statement addressing GG emissions in section 4.4.7 of their proposal.

On the contrary, the project, if realized, will not only contribute GG to the planetary atmosphere in the process of its construction, and in the removal of the GG sequestration potentials already existing on the site, such as forests and soils, but also by generating profits for Terra Gen, whose owner, Energy Capital Partners, will use them to capitalize its multiple fossil fuel development subsidiaries, such as Targa Resources, Triton Power Partners, US Development Group, Summit Mainstream Partners, Calpine, and a vast array of other investments.

The climate for expansion of the fossil fuel industry is currently favorable and appears likely to remain so. RCEA's intention was not to subsidize it. The Terra Gen project does not meet RCEA's objective of reducing atmospheric GGs. This fact obviates the entire project.

It is not a question of ideology. Humboldt County needs to find ways of decreasing GG emissions which do not have the opposite effect.

Opponents of the Terra Gen project have been accused of NIMBYism.

However, regarded from a global perspective, project supporters are actually the NIMBYs, as they are focused strictly on Humboldt County's own emissions: Renewable Portfolio Standards requirements, and meeting California's demand for 50% renewables by 2030. Since the atmosphere is contiguous however, the project will increase GGs in our own atmosphere as well as the rest of the world's.

Therefore, we will continue to be "part of the problem" rather than "part of the solution."

"Overriding Considerations", are offered to cancel the project's unavoidable impacts. They include the putative GG savings, such as replacements of outdated energy sources like the Klamath and Potter dams, the displacement of 384,068 tons of GG generated by fossil fuels, output of .099 power plants in 1 year, the fuel consumption of 48,973,382,083 smartphones in 1 year.

The "clean energy" generated is also compared to carbon sequestration factors such as the amount of carbon which might be withdrawn from the atmosphere by 6,350,643 seedlings grown for 10 years.

There is no parallel analysis however of what the profits to Energy Capital, subsidized by Humboldt County, will accomplish.

Will the money be invested in Triton Power Partners, to purchase MODI trailers for deionized water? Will it finance Summit Mainstream to expand in the Bakken shale oilfields? Or pay for another pipeline as part of a Targa resources project?

In other words, the enterprises related to Humboldt County's wind generator project include Energy Capital Partner's other projects. They must be identified and their GG outputs must be quantified. If the wind project is going to be employed as a carbon credit for the applicant's GG-generating projects around the world, this reality must be part of the Planning Commission's report.

#### OTHER CLAIMED OVERRIDING BENEFITS

Repairs and replacement of PG&E's power lines and systems is listed as a benefit which overrides the unavoidable impacts of the project. It has certainly been demonstrated that the electrical power distributions systems for which PG&E is responsible have caused horrific damage because of their condition. However, to pay for PG&E'S mismanagement and negligence by allowing the cost to be taken out of our county's natural resources and public trust values is medieval. It is a benefit to PG&E, not to the people who are dependent upon their services. It certainly is not an "overriding consideration".

#### BIOLOGICAL AND ETHICAL UNAVOIDABLE IMPACTS

As you may know 1 million species are predicted by respected scientists to become extinct in the next decade or so. Some of these species reside in Humboldt County.

There has always been a contingent of the population which does not value biodiversity. A couple of decades ago one could see bumper stickers on the road which told people to "roast a spotted owl for dinner". However, the country as a whole did not share in this delight.

Scientists actually continued to mourn species which humans had driven to extinction, such as the passenger pigeon.

The endangered species act still exists though the agencies mandated to defend it are embattled. It is alarming to hear certain local scientists referring to endangered species casualties caused by the wind generators as "only a few birds." The mitigations proposed for threatened species loss are pitiful, as exemplified by putting lids on garbage cans to discourage corvids. Lids should be on garbage cans and park staff or county staff should provide that service. The public should be educated.

This mitigation is also medieval. The cost of cleaning up our garbage should not be charged to our public trust resources.

20 plants which the Terra Gen tribe offered to the Wiyot tribe as mitigation for the desecration of Wiyot prayer ridges is worse than medieval, it resonates with the mockery of a Nero.

Melanie McCavour, one of the Humboldt County Planning Commissioners, described some of the rare and precious life forms in Humboldt County. She described the probable reaction of the international community to the destruction we are threatening to inflict on this natural splendor with our fear-driven project. It will be one of amazement and horror. This will be the same reaction as world opinion expressed to MAXXAM's destruction of our ancient redwood forests.

MAXXAM then sold a fraction of their redwoods back to the public for the same price that it had paid for the entire 210,000 acres. Will the Terra Gen wind project, whose projected lifespan is similar to MAXXAM's history in Humboldt, have a similar end?

The project is crazy, as Ms. McCavour described it. It is another frenzy of self-destruction similar to the MAXXAM catastrophe. The world will be angry and we will deserve their anger, because the impacts to our dwindling biodiversity and ethnodiversity are not mitigatable.

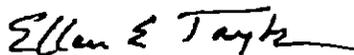
There cannot be any overriding considerations.

Terra Gen proponent Natalynne De Lapp has stated frequently in her presentations that "we all want our conveniences" as if we are incapable of any self-control. This has been historically proven time and time again not to be true.

Reducing our GG productions will require some consciousness of the planetary effects of climate breakdown. This will not develop if we simply sell off our resources to a company whose profits come from developing fossil fuels. An educated public will be capable giving those 48 + billion cellphones a rest, and leaving some of those 384000 tons of fossil fuels in the ground.

There is no benefit to the people of Humboldt County in going forward with this project. There is no benefit to the world. Please reject it.

Very Truly Yours



Ellen Taylor  
Chairperson, Lost Coast League  
PO Box 60, Petrolia California 95558

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BOARD OF SUPERVISORS

**To: Humboldt County Board of Supervisors  
Deny Approval of Humboldt Wind Project EIR and CUP  
From: Jesse Noell**

**Dear Supervisors,  
I stand with the Wiyot and those opposed to approval of this project  
based on the following evidence and my prior comments.**

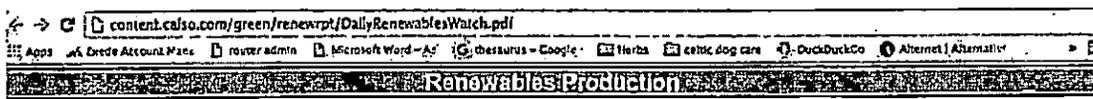
California's Renewables Portfolio Standard (RPS) states "Wind facilities that generate electricity **may qualify** for RPS certification." The EIR before you goes through great contortions to **conflate "may qualify" into a mandatory finding of Overriding Consideration (OC)**. Conflation here includes the practice of treating two distinct concepts as if they were one in an attempt to obscure analysis. The purpose of CEQA is to inform the public; instead this EIR and CUP bias the proceeding, then impermissibly burden the public to provide rational evidence based analysis, feasibility of mitigations, alternatives and a weighing of economic, legal, social, technological, or other benefits against risks.

Humboldt Wind Project will destroy traditional uses and ceremony of Tsakiyuwit sacred to the Wiyot, while killing creatures of the creation that sustained the web of life since time immemorial. The EIR and CUP consider this destruction, killings, and sacrilege "**overriding**" because of benefits that will accrue to a handful of Limited Liability Corporations and decrease in potential revenue to a Joint Powers Authority. Apparently the EIR's OC is premised upon a "right" of project proponent to dictate an artificially narrow range of alternatives; constrains and holds hostage the proper determination of feasibility and denies CEQA's requirement of an informed public and leads to an unlivable environment for future generations.

While Humboldt Wind "**may qualify**" for RPS, it is unlikely to survive a "specific economic" "weighing" outside of the constraints of the dictatorial artificially narrowed range of alternatives: PGE today offers "100% solar choice" for less cost to the ratepayer than wind; no need to wait years for Humboldt Wind powered electricity---cheaper wind powered electricity from the Columbia Gorge is available at the Cottonwood node of the 500kv line.

Terra Gen admits it has installed solar in the past, so knows that solar has gotten cheaper than wind at a much faster rate---and solar is more

dependable—and is providing five times as much electricity to CAISO as wind—because solar costs less and requires less maintenance, while also providing more jobs. This calls into question how the “proposed project will result in a net environmental gain and will provide benefits described herein to the surrounding community and the County as a whole.” Certainly the surrounding community and the County as a whole would gain greater benefits from low cost solar and cheap wind from the congested 500kv line at the Cottonwood node. But the EIR’s narrow constraint of Alternatives doesn’t inform the public or the decision makers so how can this be a valid CEQA proceeding?

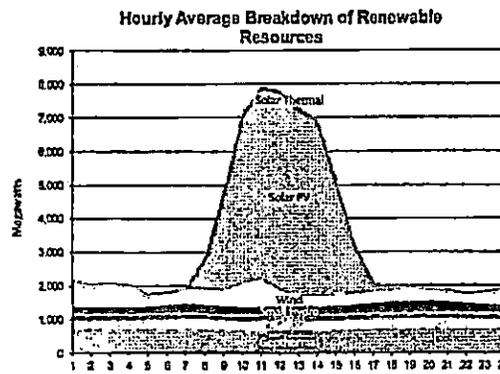


**24-Hour Renewables Production**

Renewable Resource	Peak Production Time	Peak Production (MW)	Daily Production (MWh)
Solar Thermal	12:32	16	13
Solar PV	11:10	6,351	36,552
Wind	10:22	785	7,056
Small Hydro	18:08	339	6,272
Biogas	0:20	216	5,015
Biomass	13:52	280	6,185
Geothermal	18:05	745	17,358
<b>Total Renewables</b>			<b>78,491</b>

Total 24-Hour System Demand (MWh): **587,702**

This table gives numeric values related to the production from the various types of renewable resources for the reporting day. All values are hourly average unless otherwise stated. Peak Production is an average over one minute. The total renewable production in megawatt-hours is compared to the total energy demand for the ISO system for the day.



This graph shows the production of various types of renewable generation across the day.

System Peak Demand (MW) one minute average: **29,217**  
Time: **12:58**

**From the CUP:**

**EIR-STATEMENT OF OVERRIDING CONSIDERATIONS**

In accordance with Section 15093 of the CEQA Guidelines, the County has evaluated the economic, legal, social, technological, or other benefits, including regionwide or statewide environmental benefits, of the project against its unavoidable environmental risks in determining whether to approve the project, and has determined that the specific economic, legal, social, technological, or other benefits, including regionwide or statewide environmental benefits, of the project **outweigh** its unavoidable, adverse environmental impacts so that the identified significant unavoidable impact(s) may be considered acceptable. The proposed project will result in a net environmental gain and will provide benefits described herein to the

**surrounding community and the County as a whole.** Each benefit set forth below constitutes a separate, independent, and severable overriding consideration warranting approval of the project, despite the unavoidable impact. Substantial evidence in the record demonstrates that the County would derive the following benefits from the project:

**a) ENVIRONMENTAL BENEFITS**

**Statewide Environmental Benefits:**

The Legislature passed the California Global Warming Solutions Act of 2006 (AB 32) creating a multi-year program to reduce greenhouse gas emissions in California. The California Air Resources Board (ARB) was delegated the task of developing a Scoping Plan to develop the approach to reduce GHGs to achieve the goal of reducing emissions to 1990 levels by 2020. In 2016, the Legislature passed SB 32 and adopted a GHG reduction target of 40 percent below 1990 levels by 2030. Senate Bill 350, signed into law in 2015, requires a statewide portfolio standard to ensure that renewable resources account for 50 percent of California's electrical load by 2030. **The recently enacted SB 100 moves up the deadline for reaching the 50 percent milestone to 2026, stepping to 60 percent by 2030.** Further, the state has a goal of reducing GHG emissions by 80 percent below 1990 levels by the year 2050. ARB established a Scoping Plan detailing the requirements for renewable energy targets. (California Air Resources Board, AB 32 Scoping Plan, available at

<https://ww3.arb.ca.gov/cc/scopingplan/scopingplan.htm>, Accessed: 6 November 2019; California Climate Policy Dashboard, BerkeleyLaw, University of California,

<https://www.law.berkeley.edu/research/cee/research/climate/climate-policy-dashboard/>, Accessed: 6 November 2019.)

California's Renewables Portfolio Standard (RPS)

requires all electricity retailers in the state, including publicly owned utilities (POUs), investor- owned utilities, electricity service providers, and community choice aggregators, to adopt RPS goals of obtaining 50 percent of the state's electricity from eligible renewable energy resources by 2030.

(RPS

**EVIDENCE**

CUP-18-002 Humboldt Wind LLC 13999 PC 11.21.19 Staff Report Page 36  
Resolution Certifying EIR Page 30

Eligibility Guidebook, (Ninth Edition, Revised), available at California Energy Commission, <https://www.energy.ca.gov/programs-and->

topics/programs/renewables-portfolio-standard (Accessed 6 November 2019.) Wind facilities that generate electricity may qualify for RPS certification. (Id.)

End of paste From the CUP-----

Humboldt Wind as proposed adds to but does not solve oversupply mitigations issues, it adds to problems as PGE pointed out --the Cottonwood congestion.

://www.caiso.com/Documents/FlexibleResourcesHelpRenewables\_FastFacts.pdf

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realtime grid conditions. Grid ramping conditions will vary through the year. The net load curve or duck chart in Figure 2 illustrates the steepening ramps expected during the spring. The duck chart shows the system requirement to supply an additional 13,000 MW, all within approximately three hours, to replace the electricity lost by solar power as the sun sets.

#### Oversupply mitigation

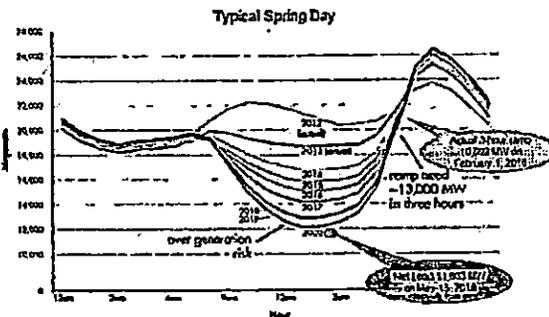
Oversupply is when all anticipated generation, including renewables, exceeds the realtime demand.

The potential for this increases as more renewable energy is added to the grid but demand for electricity does not increase. This is a concern because if the market cannot automatically manage oversupply it can lead to overgeneration, which requires manual intervention of the market to maintain reliability. During oversupply times, wholesale prices can be very low and even go negative in which generators have to pay utilities to take the energy. But

the market often remedies the oversupply situation and automatically works to restore the balance between supply and demand. In almost all cases, oversupply is a manageable condition but it is not a sustainable condition over time — and this drives the need for proactive policies and actions to avoid the situation. The duck curve in Figure 2 shows that oversupply is expected to occur during the middle of the day as well.

Because the ISO must continuously balance supply and demand, steps must be taken to mitigate

Figure 2: The duck curve shows steep ramping needs and overgeneration risk



## Cottonwood Node is in this area:

https://en.wikipedia.org/wiki/Path\_66

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### Route [edit]

Path 66 is composed of one segment of TANC, PG&E and PacifiCorp 500 kV lines. The TANC line route starts at Captain Jack Substation (42° 4' 38.06"N 121° 23' 25.47"W) close to Malin, close to the California-Oregon border, near the Malin Substation, where the other 500 kV lines start (PacifiCorp & PG&E). These substations link to both the PacifiCorp and Bonneville Power Administration (BPA) grid in the Pacific Northwest.<sup>[3][4][5]</sup>

A dual-circuit 500 kV line forming a part of the connection between Path 66 and Path 15.

#### Path 66 - Captain Jack to Olinda

Path 66 consists of the northernmost segment of TANC's 346 mi (557 km) 500 kV line from Captain Jack substation to Tracy substation in California's Central Valley. Leaving Captain Jack substation, the line first heads southeast as a single-circuit line and runs parallel with the other two 500 kV lines across the Modoc Plateau. It then turns west and climbs in elevation and reaches its highest point near Grizzly Peak at about 6,000 ft (1,830 m).<sup>[6]</sup> From there, it heads south, spanning over the Stonecoal Valley and the Pit River. Near Round Mountain, it turns southwest and the line is joined by two 230-kV lines as all three lines head into the Sacramento Valley. As the line passes by Cottonwood, it turns west and crosses Interstate 5. Near Olinda, it turns south and enters Olinda substation. Here the line interconnects with transmission lines carrying power from Shasta Dam and Keswick Dam.<sup>[3]</sup>

## Humboldt Wind increases ramping issues:

//www.caiso.com/Documents/FlexibleResourcesHelpRenewables\_FastFacts.pdf

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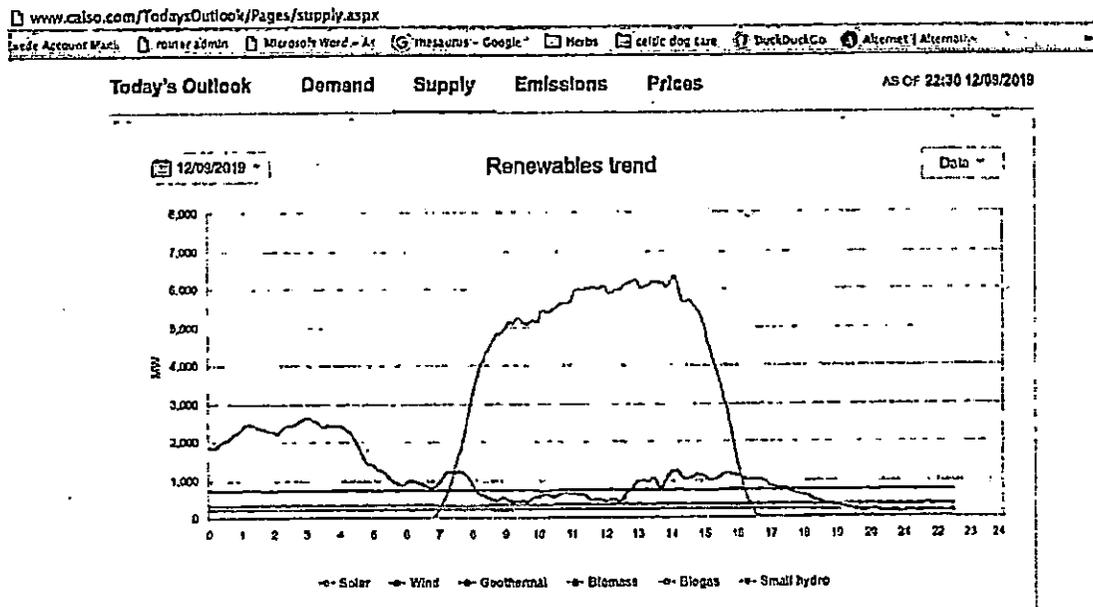
### Ramping flexibility

The ISO needs a resource mix that can react quickly to adjust electricity production to meet the sharp changes in electricity net demand. Figure 1 shows a net load curve for the January 11 study day for years 2012 through 2020. This curve shows the megawatt (MW) amounts the ISO must follow on the y axis over the different hours of the day shown on the x axis. Four distinct ramp periods emerge.

California Independent System Operator 2  
 www.caiso.com | 250 Outcropping Way, Folsom, CA 95630 | 916.351.6400  
 CONFIDENTIAL  
 © 2016 California ISO

The first ramp of 8,000 MW in the upward direction (duck's tail) occurs in the morning starting around 4:00 a.m. as people get up and go about their daily routine. The second, in the downward direction, occurs after the sun comes up around 7:00 a.m. when on-line conventional generation is replaced by supply from solar generation resources (producing the belly of the duck). As the sun sets starting around 4:00 p.m., and solar generation ends, the ISO must dispatch resources that can meet the third and most significant daily ramp (the arch of the duck's neck). Immediately following this steep 11,000 MW ramp up, as demand on the system decreases into the evening hours, the ISO must reduce or shut down that generation to meet the final downward ramp.

Humboldt Wind suffers from seismic instability issues on Bear River Ridge Fault Zone and the Russ Fault Zone which render that project unreliable.



Humboldt Wind EIR defeats CEQA Sec. 15093 intent with regards to “specific economic determinations”. Specific economic intention determinations are complex--- and Forbes reveals some of the concerns that must be analyzed to determine if the project will have the greatest good for the majority of people (final customers), not just a handful of profit seekers: Feeding the grid with renewables may sound like a good idea, but despite the cost of renewable power generation falling, their use causes retail prices to rise: “...wholesale prices are paid to the generators; the retail prices paid by final customers reflect the full cost of delivering electricity. Generation, though the largest component, only accounts for 44 percent of the total cost. The other main costs affected by renewables integration are transmission and distribution of electricity to its point of use, reliability costs to maintain stable voltage and frequency, maintenance needed to keep the system running, depreciation and taxes.”  
<https://www.forbes.com/sites/brianmurray1/2019/06/17/the-paradox-of-declining-renewable-costs-and-rising-electricity-prices/#467c228561d5>

Humboldt County’s requirement under SB350 and SB100 can be filled by much smaller local projects; Humboldt Wind’s 155 MW is way overkill and

traps ratepayers into 25 year high cost contracts as solar rooftop becomes cheaper and cheaper.

Local Solar Rooftop generates more jobs and is a cheaper technology to charge vehicles because it doesn't require transmission costs.

Humboldt's major carbon footprint comes from fossil fuels used for vehicles. Ten one MW micro grid arrays ---over parking lots at the jail, and schools etc could immediately assist cheap conversion to electric vehicles.

www.calso.com/Documents/Nov13-2019-DecisionRequiringElectricSystemReliabilityProcurementfor2021-2023-R16-02-007.PDF

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3. The following load-serving entities shall procure at least the amount of capacity in megawatts (MW) qualifying as system resource adequacy and for purposes of renewable integration as defined in Public Utilities Code Section 454.51, with at least 50 percent delivered by August 1, 2021, 75 percent by August 1, 2022, and 100 percent by August 1, 2023:

- a. Pacific Gas and Electric Company, 716.9 MW;
- b. Pacific Gas and Electric Direct Access (aggregated), 114.0 MW;
- c. Clean Power San Francisco, 57.0 MW;
- d. East Bay Community Energy, 99.6 MW;

- 80 -

R.16-02-007 ALJ/JF2/avs

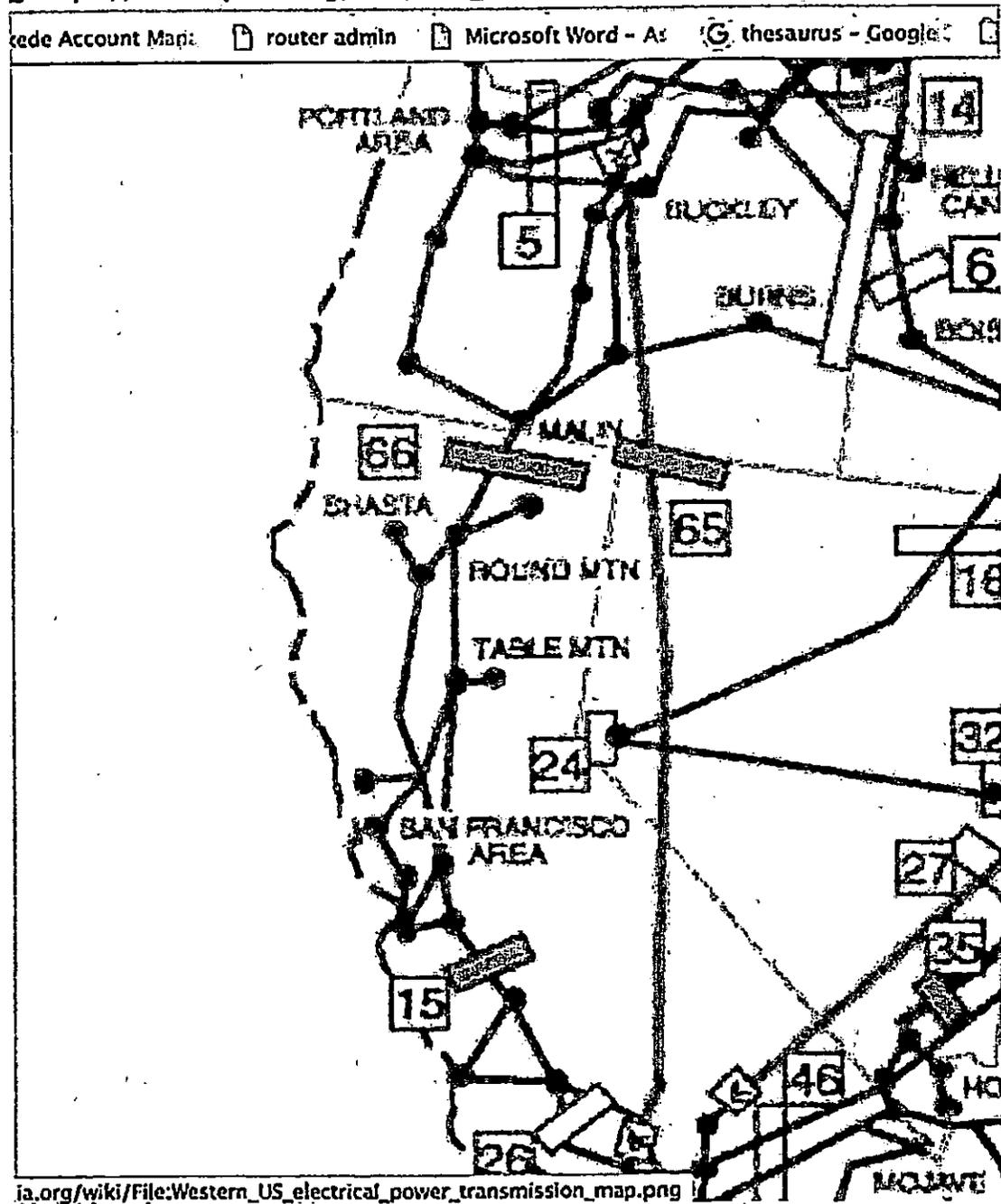
- e. King City Community Energy, 0.7 MW;
- f. Marin Clean Energy, 87.5 MW;
- g. Monterey Bay Community Power Authority, 57.4 MW;

R.16-02-007 ALJ/JF2/avs

- e. King City Community Energy, 0.7 MW;
- f. Marin Clean Energy, 87.5 MW;
- g. Monterey Bay Community Power Authority, 57.4 MW;
- h. Peninsula Clean Energy, 55.0 MW;
- i. Pioneer Community Energy, 18.5 MW;
- j. Redwood Coast Energy Authority, 10.7 MW;

# Maps of the Grid

[https://en.wikipedia.org/wiki/Path\\_15](https://en.wikipedia.org/wiki/Path_15)



**Electricity Grid supplementary materials: costs and capacity factors**

The following table shows our cost assumptions for 2020 electricity grid configurations:

	Capital \$/KW	Capital \$/Kwh	Fixed O&M \$/KWYr	Var O&M \$/MWh	Fuel \$/MWh	Fuel \$/MMBtu	Heat rate Btu/KWh	Useful life (Yrs)	Grid Conn. \$/MWh
Wind	\$1,500		\$40.0					20	\$2.90
Solar PV	\$1,250		\$16.0					20	\$3.80
Solar thermal	\$4,182		\$70.3					20	\$6.10
Hydro	\$2,442		\$14.9	\$2.7				20	\$1.50
Biomass	\$3,790		\$110.3	\$10.0	\$29.0	\$2.00	14,500	20	\$1.20
Geothermal	\$2,715		\$118.0					20	\$1.50
Nuclear	\$5,880		\$125.0	\$2.3	\$8.9	\$0.85	10,459	40	\$1.00
Natural gas combust turbine	\$672		\$6.8	\$10.6	\$39.2	\$4.00	9,800	30	\$3.00
Natural gas combined cycle	\$969		\$8.0	\$3.5	\$26.4	\$4.00	6,600	30	\$1.10
Battery storage	\$250-\$500		\$5.0					15	\$0.00

Sources: Energy Information Administration, Lazard Levelized Cost Analyses, National Renewable Energy Laboratory, JPMAM. 2017. Discount rate for converting upfront costs into annual costs: 10%. Lithium ion battery storage round trip efficiency: 85%, 4 hour run time. All costs exclude subsidies, tax credits and other incentives.

**PGE Congestion/ bottleneck:**

**California ISO - The role of the California ISO**

[caliso.com/about/Pages/OurBusiness/The-role-of-the-California-ISO.aspx](https://caliso.com/about/Pages/OurBusiness/The-role-of-the-California-ISO.aspx)

The role of the California ISO. The electricity industry includes utilities, private power plant owners and state and federal agencies, each playing a distinct role. The ISO is charged with ensuring the safe and reliable transportation of electricity on the power grid. As the impartial grid operator, it has no financial interest in any individual...

**Path 15 - Wikipedia**

[https://en.wikipedia.org/wiki/Path\\_15](https://en.wikipedia.org/wiki/Path_15)

The capacity at this electricity bottleneck was only 3,900 MW, and this was identified in the 1990s as a trouble spot, but no one acted upon it. This bottleneck was one of the leading causes of the California electricity crisis in 2000-2001.

**ISO Congestion Revenue Rights (CRR) Training**

[https://www.oasis.oati.com/PPW/PPWdocs/160526\\_CRR\\_Training-final\\_presentation...](https://www.oasis.oati.com/PPW/PPWdocs/160526_CRR_Training-final_presentation...)

ISO PUBLIC - © 2016 CAISO CRR time-of-use definition • The time-of-use period definition is consistent with Western Electricity Coordination Council (WECC) and North American Electric Reliability Corporation (NERC) • On-peak period - Consists of the hours from 6 am (HE7) to 10 pm (HE22) for Monday, Tuesday, Wednesday, Thursday.

It behooves one to remember the taxpayers will be on the hook not only for county legal fees, but that CEQA suits permit the recovery of legal fees by the citizens/entities when they win. With the EIR document so weak and so poorly done, consideration of a source for these double legal fees prior to granting approval would be responsible stewardship of the county treasury.

For the above reasons, a finding of overriding considerations is inappropriate, impermissible, and abusive.

Sincerely,  
Jesse Noell

**From:** Casey Tull  
**To:** Hayes, Kathy  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit  
**Date:** Tuesday, December 10, 2019 4:45:07 PM

---

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

Terra-Gen, the proposed developers of this project have signed a Project Labor Agreement with the Building Trades Council of Humboldt and Del Norte Counties and have agreed to build this project with 100% union labor. That means that the workforce will be dispatched from local union halls to this project and those workers will be paid wages true to their high skill and training. These wages will then stay local and be spent in the community. A union workforce will help guarantee that this project will be built on time, on budget, and most importantly for our community: safely.

In addition to the economic benefits of building this project with a union workforce, there is also the benefits both locally and globally of bringing more green power on line. In order to meet the recent goal of California for producing 100% zero-carbon electricity by 2045 we need to begin building those green power projects now. This 155-megawatt project would be able to power 85% of households in Humboldt County with safe, clean energy. Everyone has to do their part in this effort, and this project helps us all meet that goal.

Please add this letter to the record for the Board's proceedings on December 16th, and count me as a strong supporter of union labor and green power. Please vote to authorize Humboldt Wind LLC's Conditional Use Permit.

Regards,  
Casey Tull

RECEIVED

DEC 09 2019

To the Humboldt County Board of Supervisors.

We are writing to ask you to deny Terra Gen's request to put 40 - 60 (I'm not certain of the exact number) 600 foot towers on Monument and Bear ridges.

Clerk

Board of Supervisors

The project is disastrous in so many ways. First off is the fact that it will desecrate native ancestral land. There is law, both state and federal, that clearly provides protection for sacred native lands and must be considered when a project like this is suggested.

Then there are the many outrageous actions that need to take place in order to install the project. 1. A road that at some places will be 200 feet wide to accommodate access for the massive components. That, on incredibly erodible and fragile soil which will no doubt eventually end up in the Bear River and even the lower North Fork of the Mattole, disturbing the already tenuous Salmon runs that, as you may know, the citizens of the Mattole Valley have been struggling to save and restore for about 40 years.

2. This project will be built on top of the triple junction. We lost our house in the '92 earthquake, which was 7.3 on the Richter scale. No doubt we will have another, possibly, bigger one in time and even with those enormous cement bases the turbines could go down. Depending on what time of year it would happen, it would likely cause a conflagration that could be our big fire. In this age of Climate driven fires it doesn't seem wise to allow, even with the smallest chance, that possibility. A few months ago, when I talked to a member of RCEA, and mentioned my fear of them falling over in an earthquake, his response was, "So they fall over". That was shocking.

3. The danger to wild life, birds and bats in particular, is evident and large. And we learned recently that insects, by the millions are killed on the blades, many of them pollinators. And that the presence, and I guess you would say weight, of them on the blades pulls down the turbines effect by 25%. That's huge!

4. The destruction of a forest in order to transmit the power to Bridgeville flies in the face of carbon sequestration. I don't know the numbers or science but it seems it might just balance out the so called benefits of the wind project to leave those trees in place.

5. The amount of cement that will be used for each turbine is gigantic and will require large amounts of sand. We are using up the planet's sand at an alarming rate.

6. These turbines are known to spontaneously combust. This is another liability as far as fire danger is concerned. They say Terra Gen hasn't ever experienced that. I say "yet".

7. As far as I can tell the energy will flow to Southern California (where over consumption of energy is the norm) and will not benefit Humboldt County. Terra Gen will make big money. And possibly invest it in more fossil fuel projects as their mother company also deals in oil and coal. They are basically stealing another Humboldt resource: Wind.

8. A county wide solar project would be a great deal less impactful to our communities. Solar arrays for large endeavors and rooftop for homes would fit much better into the ethics of our society. And we would avoid the industrialization of Humboldt County.

9. This rare and beautiful, wild and still pristine place, unique in the world will have been destroyed forever if the project is approved and is allowed to go through.

10. And finally, Rainbow Ridge is the next Ridge over from this projected plan. As you may know, many Mattole citizens have been trying to save Rainbow Ridge for 30 or more years. First Maxxam and now Humboldt Redwood Company have been systematically whittling away at it until now there is the tiniest bit left (by comparison to what it was when we began). But still enough that is worth saving: for biodiversity, for study, and for carbon sequestration. Douglas fir, along with Redwoods, are known to sequester carbon better than any other tree species on the planet. The proximity of the proposed windmills to Rainbow Ridge creates an as yet unknown impact on the only intact, previously un-entered Douglas fir forest still in private hands. But a significant impact I am sure. I see the windmills and the effort to save Rainbow Ridge as closely linked. And Humboldt Redwood Company Profits from both.

What will be at risk will be a conservation opportunity of great breadth and singular importance for coastal Northern California and the Cascadian Northwest. The questionable gain in energy is not worth the grave loss of biodiversity and biological wholeness. Energy is colliding with biology in this instance creating the need for a cautionary approach.

Many issues are as yet unsolved and to rush the project through, without at least further examination, in order for Terra Gen to get their tax break, would be a crime.

Please Supervisors, do the right thing and vote against permitting the windmill project to go through, Thank you. Jane Lapiner and David Simpson

**Lippre, Suzanne**

**From:** Werner, Steve  
**Sent:** Wednesday, December 11, 2019 8:19 AM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KHayes@co.humboldt.ca.us>  
**Sent:** Wednesday, December 11, 2019 7:53 AM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

FYI

*Kathy Hayes, Clerk of the Board*  
*County of Humboldt*  
*(707) 476-2396*  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** Steve Doolin <Steve.Doolin.260898575@p2a.co>  
**Sent:** Wednesday, December 11, 2019 7:18 AM  
**To:** Hayes, Kathy <KHayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

Terra-Gen, the proposed developers of this project have signed a Project Labor Agreement with the Building Trades Council of Humboldt and Del Norte Counties and have agreed to build this project with 100% union labor. That means that the workforce will be dispatched from local union halls to this project and those workers will be paid wages true to their high skill and training. These wages will then stay local and be spent in the community. A union workforce will help guarantee that this project will be built on time, on budget, and most importantly for our community: safely.

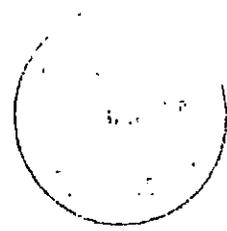
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project would be able to power 85% of households in Humboldt County with safe, clean energy. Everyone has to do their part in this effort, and this project helps us all meet that goal.

Please add this letter to the record for the Board's proceedings on December 16th, and count me as a strong supporter of union labor and green power. Please vote to authorize Humboldt Wind LLC's Conditional Use Permit.

Regards,  
Steve Doolin

Janis Gray  
PO Box 584  
Redway, CA 95560



Humboldt County Planning and Building Department  
Humboldt County Planning Commission  
3015 H St. Eureka CA 95501  
Re: Marshall Ranch Project

To Whom It May Concern,

My family and I have lived in Briceland for thirty years. I live on Redwood Creek directly across the creek from Joan and Jim Courtois and we are both directly below the proposed Marshall Ranch Dam Project. We would be located in a high hazard zone should the dam fail. I will agree with the conclusions made by research done by Joan Courtois in her November 25<sup>th</sup> 2019 letter.

My family and I, like the Courtois, would be devastated by the threat of loss of life and property, and too many other losses to mention. Being forced to buy flood insurance, if we could get it, loss of insurance, and major property devaluation are a few consequences of approval of the project. I am elderly and have put all of my life resources into this property. I request you deny adoption of the proposed mitigated negative declaration. The only way there would be no significant adverse environmental effect from this 16 million gallon (15 acre feet of water weighing 133,440,000 pounds) earthen dam towering over our homes and property is if there was a 100% guarantee it would not fail. Joel Monschke of Stillwater Sciences, the designer, could not give residents any such guarantee. He also said he had never sited a project above a residential property owner. He met with four residents on November 20<sup>th</sup>, 2019. Dana, the SRF rep, also was there.

I strongly disagree with the designation of no negative or significant impact. In fact, to comply with California CEQA law the county must consider potential environmental impacts, especially those that may affect the public health and welfare. The county has failed to do this; possibly to rush this project through with minimum delays. The public health and safety has not been prioritized. This dam could fail due to being built on shale rock. A major earthquake (we've had several big ones), landslide, or other act of God could destroy it and cause loss of life and property downhill. The project should be rejected by the HCPC based on these facts. An environmental impact statement has not been done. Why? I request an EIR. In the USDA handbook it states: Do not overlook the possibility of dam failure and resulting damage. Do not locate a dam where failure could cause loss of life, injury to persons, damage to homes, etc. This dam has the potential to cause all of the above and on this basis I/we call for you to deny its permitting. I request that the determination finding be changed to the number four option box, that the proposed project may have a "potentially significant impact".

The classification by the projects proponents as "low hazard class" is a problem. Under USDA National Resource Conservation Services Technical Release No. 60: Earth Dams and Reservoirs, Part I General, it states that "dams located where failure may cause loss of life serious damage to homes, etc." should be classified as a High Hazard Class. Should the proponents be allowed to classify the project?

The impacts of human life, property and the environment have not been addressed adequately. Long term financing and maintenance of the project has not been addressed adequately either. I request an additional 60 days of comment period to inform residents since this was not done by SRF.

A public meeting specifically for the residents of Briceland with specific notification should be required of SRF for a project of this size and scope. I found out about this project 12 days before the comment period ended. Do you think 12 days is enough to respond?

Conclusion: to notify someone and give them 30 days or less to respond to a life changing threat to their lives, families, health, safety, and assets is imposing on them a true nightmare – but one you don't wake up from. I liken this to a drive-by shooting, where without warning a victim is injured, may die, and their assets are stolen. Nothing personal. All legal.

**Lippre, Suzanne**

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**From:** Norm Dupret <Norm.Dupret.261023547@p2a.co>  
**Sent:** Wednesday, December 11, 2019 12:51 PM  
**To:** Hayes, Kathy  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

Terra-Gen, the proposed developers of this project have signed a Project Labor Agreement with the Building Trades Council of Humboldt and Del Norte Counties and have agreed to build this project with 100% union labor. That means that the workforce will be dispatched from local union halls to this project and those workers will be paid wages true to their high skill and training. These wages will then stay local and be spent in the community. A union workforce will help guarantee that this project will be built on time, on budget, and most importantly for our community: safely.

In addition to the economic benefits of building this project with a union workforce, there is also the benefits both locally and globally of bringing more green power on line. In order to meet the recent goal of California for producing 100% zero-carbon electricity by 2045 we need to begin building those green power projects now. This 155-megawatt project would be able to power 85% of households in Humboldt County with safe, clean energy. Everyone has to do their part in this effort, and this project helps us all meet that goal.

Please add this letter to the record for the Board's proceedings on December 16th, and count me as a strong supporter of union labor and green power. Please vote to authorize Humboldt Wind LLC's Conditional Use Permit.

Regards,  
Norm Dupret

## Lippre, Suzanne

---

**From:** Joseph McKenzie <Joseph.McKenzie.261019722@p2a.co>  
**Sent:** Wednesday, December 11, 2019 12:37 PM  
**To:** Hayes, Kathy  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

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Please add this letter to the record for the Board's proceedings on December 16th, and count me as a strong supporter of union labor and green power. Please vote to authorize Humboldt Wind LLC's Conditional Use Permit.

Regards,  
Joseph McKenzie

**Lippre, Suzanne**

---

**From:** Charles Lavery <Charles.Lavery.261016671@p2a.co>  
**Sent:** Wednesday, December 11, 2019 12:27 PM  
**To:** Hayes, Kathy  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

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Regards,  
Charles Lavery

## Lippre, Suzanne

---

**From:** Werner, Steve  
**Sent:** Wednesday, December 11, 2019 4:20 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Sent:** Wednesday, December 11, 2019 1:03 PM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

FYI

*Kathy Hayes, Clerk of the Board*  
*County of Humboldt*  
(707) 476-2396  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** Rocky Goodwin <Rocky.Goodwin.261010884@p2a.co>  
**Sent:** Wednesday, December 11, 2019 12:06 PM  
**To:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

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Regards,  
Rocky Goodwin.

## Lippre, Suzanne

**From:** Werner, Steve  
**Sent:** Wednesday, December 11, 2019 4:20 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Sent:** Wednesday, December 11, 2019 3:59 PM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

FYI

*Kathy Hayes, Clerk of the Board*  
*County of Humboldt*  
(707) 476-2396  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** Darren Hunter <Darren.Hunter.261053346@p2a.co>  
**Sent:** Wednesday, December 11, 2019 2:32 PM  
**To:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

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Regards,

Darren Hunter.

## Lippre, Suzanne

---

**From:** Werner, Steve  
**Sent:** Wednesday, December 11, 2019 4:21 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Sent:** Wednesday, December 11, 2019 8:49 AM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

FYI

*Kathy Hayes, Clerk of the Board*  
*County of Humboldt*  
*(707) 476-2396*  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** Kenneth Mackey <Kenneth.Mackey.260930910@p2a.co>  
**Sent:** Wednesday, December 11, 2019 8:48 AM  
**To:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

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Regards,  
Kenneth Mackey

**From:** Ron Aksland  
**To:** Hayes, Kathy  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit  
**Date:** Monday, December 9, 2019 1:46:54 PM

---

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

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Regards,  
Ron Aksland

## Lippre, Suzanne

---

**From:** Werner, Steve  
**Sent:** Wednesday, December 11, 2019 4:22 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Submission Comments on the TerraGen Project

**From:** Eberhardt, Brooke <BEberhardt@co.humboldt.ca.us>  
**Sent:** Wednesday, December 11, 2019 8:52 AM  
**To:** Fennell, Estelle <EFennell@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Ford, John <JFord@co.humboldt.ca.us>  
**Subject:** FW: Submission Comments on the TerraGen Project

Good morning all,

Please see below for public comment for the TerraGen Project.

Brooke Eberhardt  
Deputy Clerk of the Board of Supervisors  
County of Humboldt  
825 Fifth Street, Room 111  
Eureka, CA 95501  
707.476.2385

**From:** Cutcha Risling Baldy <crislingbaldy@gmail.com>  
**Sent:** Tuesday, December 10, 2019 3:53 PM  
**To:** Hayes, Kathy <KHayes@co.humboldt.ca.us>; Eberhardt, Brooke <BEberhardt@co.humboldt.ca.us>  
**Subject:** Submission Comments on the TerraGen Project

I would like to submit this piece that I wrote for consideration as public comment on the proposed Terra Gen project. It was written as an open letter to the Board of Supervisors.

Thank you,

<https://www.cutcharislingbaldy.com/blog/in-which-we-discuss-the-terra-gen-wind-energy-project-and-the-destruction-of-sacred-sites-or-you-cant-mitigate-the-destruction-of-sacred-sites-deal-with-it>

## In which we discuss the Terra-Gen Wind Energy Project and the D Sites or You Can't Mitigate The Destruction of Sacred Sites Deal V

12/4/2019  
[0 Comments](#)

Y'all, it's been less than two months (57-58 days), depending on when you skim/read this, since the City of Wiyot Tribe. Less than a week (3-4 days) since Native American Heritage Month. Less than 20 minutes wanting me to come and speak at their event and teach them about California history and cultural revitalization. I grabbed a trail mix from my pantry and hunkered down in front of this computer and started reading about

Humboldt Wind, LLC (Terra Gen)

settler

nonsense.

What the WHAT?

Look in case you didn't know (or you don't live in Humboldt County, or you live in Humboldt County but you don't really remember it because lately there is TOO MUCH NEWS) let me sum up:

Humboldt Wind, LLC (Terra Gen - who in all the documents people are always referring to as "the applicant") is a monstrous project on Tsakiyuit (Bear River Ridge) and Monument Ridge near Rio Dell and Scotia. This is a site that contains several culturally significant resources and archeological sites. The Wiyot Tribe opposes the project because it destroys sites and resources. There are other concerns that have been expressed by community members that include "we don't want to kill a bunch of animals or destroy a bunch of plants." Apparently, the site is also an important bat migration hotspot. Every fall, thousands of hoary bats descend upon Humboldt Ridge in a "swarming" behavior that appears to be unique to this region.

Humboldt Wind, LLC/Terra Gen ("the applicant") believes that "The Project's benefits outweigh the site's impacts because the wind farm will be "sufficient to power 70,000 households" and "would displace emissions of 100,000 tons per year of carbon dioxide." Also there's gonna be a lot of money saved (through local grid improvements over the next 30 years) and science.

No really, I read the appeal letter. It basically ends with a paragraph that's like "and science! Science, science, science. Science is science and science. Do it for SCIENCE."

I'm going to post here the entirety of "the applicants" "**Benefits to Knowledge Base.**" explanation that we

*The formation and operation of a Technical Advisory Committee would allow the scientific community to better understand the science known to occur in the region, including the hoary bat, and understand population trends in general, as well as the population. A similar level of scientific knowledge would be provided for avian species. This will help build a knowledge base and support future environmental analyses and mitigations.*

This is basically saying "everytime one of these goddamn Hoary bats flies in to one of these things and die and then we can learn more. Same for all the dead birds! YOU'RE WELCOME SCIENCE."

Look, the Wiyot Tribe (as well as several environmental groups, community organizations and other community members near Rio Dell) oppose this project. So I feel like that's it right? We're done here. Cool. We'll go find a better project.

Except. Nah.

Now "the applicant" is appealing to the Board of Supervisors of Humboldt County to approve the project even though they voted to not approve the project.

Which brings us here.

## My open letter to the Board of Supervisors about the proposed Wiyot Tsakiyuit (Bear River Ridge) and Monument Ridge near Rio Dell in Humboldt County

Dear Board of Supervisors:

What the WHAT? Is this where we are, really? I'm supposed to come before you and so humbly explain why building a wind farm in the middle of a sacred site for Wiyot people is a bad idea? Why it's spitting in the face of relations with Humboldt County? Why it's outdated and short sighted and also why it basically is a giant fuck you to every hard work of actual reconciliation and collaboration with tribes? Also have you read this appeal letter, it's to staged dramatic readings of it with Patrick Stewart in his best Hamlet's Ghost Dad voice.

*ATTENTION PEASANTS! Humboldt Wind, LLC hereby appeals the November 21, 2019 decision of the Board of Supervisors of Humboldt to deny its application for a Conditional Use Permit and Special Permit for a wind energy project. TO BE!*

Lately, when I try to use my oh so measured approach with people, *reasonable people*, about why we can't install a wind farm on a sacred site inevitably they look at me and they go "Cutcha do you just want us all to die?! \ to do something! WIND OR DIE!"

I get it. We are in a crisis. There's not enough rain, the fish are endangered, the dams are failing, and we have soil erosion, an increase in temperature, oh and the whole thing is on fire. This dumpster fire is a literal fire.

So yes, we are in a crisis. And the writing is on the wall. All that stuff that settlers did when they came and the consequences for future generations (that's us, we are the future generations). They blew up mountains and willy-nilly cut off streams because they wanted gold. They HAD to have it. It was gold or die! Every dollar was Money! It was good for the county! If everyone was making money then they'd pay more taxes! Imagine that *that mountain, we understand there are "significant unavoidable impacts" on the environment and people!*

At some point, there was also some guy who went you know what'd be dope. Pouring a bunch of mercury into the flecks of gold. Chisa Oros writes in her amaze-balls thesis that:

*sediment gathered was treated with methylmercury, also called mercury or quicksilver, in order to get a lucrative product from other minerals the miners did not have interest in. The mercury, a highly toxic metal, was dumped on the banks of rivers or outside the mines in large pits (10).*

So yeah, miners and mining companies at one point had to realize "oh, we've poisoned the water and fish. some **"significant unavoidable impacts"** that we will mitigate later." (As far as I know they didn't go "but fish! And we've created an opportunity for ongoing studies of the impact of mercury in water to the fish for welcome science!)

Eventually there was company (applicant?) who went "we should cut down all the trees! WEEEEEE. Oops everything sucks, also oxygen. Unavoidable impacts are tough."

Then came the companies who were all "you know what would be a good idea, building a bunch of giant dams, all the fish started dying and everyone was like "oops, sorry, that actually does affect the ecosystem and s

having these dams would cause so much damage that we would be endangering species in the river and I because salmon are dying. The water is warming. But we have electricity! Also now you can study the star they can't swim away because they are starving. You're welcome science!"

This problem is not a new problem, it is a settler colonialism problem, it is a problem where we continue to ("it's better for the economy" "we need energy now" "it's just ONE sacred site" "I mean it's just Indians...") :

## **You're not going to save the world by denying the sacredness of I**

We are in a crisis. A crisis that was made, founded, built, and upheld by settler colonial arrogance, greed, get to have that excuse any more. Not when despite hundreds of years of attempted destruction of our wa murders, of assimilation, removal, and termination, we are still here. We will still come to your meetings an and say to you "This is sacred. We know this to be true. We are telling you this is not the way." And we can these lands and we are still willing and able to protect and fight for the relationship because we know, we solve this problem through "mitigation" and "unavoidable impacts" we will solve it with relationship, recipro

*Know this: Indigenous peoples are 4% of the world's population, live on 22% of the earth's surface — an on that land is 8C (Sacred Land Trust)*

*Know this: Research shows that granting indigenous groups formal rights to their lands is one of the most effective way the forest. (Los Angeles Times)*

Our knowledge of place is thousands of years old. Our ability to manage in a way that centers land, life, problem. We are not coming to the table just to be heard, we are coming to the table because we know been doing it. We've been doing it despite all the ways that law, policy, the state, the federal government, us from building, re-building and centering this relationship. Now that it's becoming obvious how important I knowledges are, it's your turn Humboldt County, it's your turn to sit back, listen, and build something better to solve this crisis.

Our sacred sites are not designated lightly. The power of these parts of the earth, the movement and mo thousands of years of knowledge and relationship is not built, maintained, or severed lightly. This is not an relationship. And I would say that the Wiyot saying no to this project is also not done lightly. It is not done malice.

This is about reverence. A reverence that reverberates through time. A reverence that exists to this day des and termination. Continuing to participate in the ongoing attempts to sever this relationship between Wiyot the continued willful ignorance, it is carrying on a legacy of genocide, a legacy of destruction.

As we sit in our big fancy chairs and read the reports, listen to the testimonies, move through the appea where they are like "there's gonna be SO MUCH SUB DIVIDING IF YOU DON'T DO THIS YA HEAR I remember that we are at a precipice of history and the future, standing somewhere in between, where we can and new or repeat and uphold a system that caused this problem in the first place.

We are in a crisis. This crisis will continue if we cannot re-build our relationship to these lands, these mor flora and fauna, in real ways.

It's just a no.

We have to find a better project.

Sincerely,

Cutcha Risling Baldy, Ph.D.

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Cutcha Risling Baldy  
[crislingbaldy@gmail.com](mailto:crislingbaldy@gmail.com)  
(858) 740-4544

## Lippre, Suzanne

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**From:** Werner, Steve  
**Sent:** Thursday, December 12, 2019 9:04 AM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Sent:** Wednesday, December 11, 2019 1:59 PM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

FYI

*Kathy Hayes, Clerk of the Board*  
*County of Humboldt*  
*(707) 476-2396*  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** Leroy Stewart <Leroy.Stewart.261037308@p2a.co>  
**Sent:** Wednesday, December 11, 2019 1:42 PM  
**To:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

Terra-Gen, the proposed developers of this project have signed a Project Labor Agreement with the Building Trades Council of Humboldt and Del Norte Counties and have agreed to build this project with 100% union labor. That means that the workforce will be dispatched from local union halls to this project and those workers will be paid wages true to their high skill and training. These wages will then stay local and be spent in the community. A union workforce will help guarantee that this project will be built on time, on budget, and most importantly for our community: safely.

In addition to the economic benefits of building this project with a union workforce, there is also the benefits both locally and globally of bringing more green power on line. In order to meet the recent goal of California for producing 100% zero-carbon electricity by 2045 we need to begin building those green power projects now. This 155-megawatt

project would be able to power 85% of households in Humboldt County with safe, clean energy. Everyone has to do their part in this effort, and this project helps us all meet that goal.

Please add this letter to the record for the Board's proceedings on December 16th, and count me as a strong supporter of union labor and green power. Please vote to authorize Humboldt Wind LLC's Conditional Use Permit.

Regards,

Leroy Stewart

## Lippre, Suzanne

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**From:** Werner, Steve  
**Sent:** Thursday, December 12, 2019 2:09 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Public comment re: Humboldt Wind Energy Project

**From:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Sent:** Thursday, December 12, 2019 1:24 PM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Public comment re: Humboldt Wind Energy Project

FYI

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[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** Kristen Hunter <kristen.eileen.hunter@gmail.com>  
**Sent:** Thursday, December 12, 2019 1:02 PM  
**To:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Subject:** Re: Public comment re: Humboldt Wind Energy Project

On Tue, Dec 10, 2019 at 11:03 AM Kristen Hunter <kristen.eileen.hunter@gmail.com> wrote:

Dear Board of Supervisors,

You need to put in the windmills. It is very important to stop climate change sooner rather than later. If we do not stop this, THEN WHAT IS OUR FUTURE WORTH? We need to grow up, have kids, and lead a life! If climate change continues, the earth will die. All of the birds, bats, (not just the ones that will die in the windmills), monkeys, sharks, fish, and us. We will die without reaching adulthood. There won't be time to find the perfect site for the wind mills, by the time a perfect site is found, it will be too late. Put in the windmills, not for you, but US.

Sylvie Hunter, age 9

## Lippre, Suzanne

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**From:** Werner, Steve  
**Sent:** Thursday, December 12, 2019 2:09 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KHayes@co.humboldt.ca.us>  
**Sent:** Thursday, December 12, 2019 11:48 AM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

FYI

*Kathy Hayes, Clerk of the Board*  
*County of Humboldt*  
*(707) 476-2396*  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** Greg Page <Greg.Page.261316588@p2a.co>  
**Sent:** Thursday, December 12, 2019 11:47 AM  
**To:** Hayes, Kathy <KHayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

Terra-Gen, the proposed developers of this project have signed a Project Labor Agreement with the Building Trades Council of Humboldt and Del Norte Counties and have agreed to build this project with 100% union labor. That means that the workforce will be dispatched from local union halls to this project and those workers will be paid wages true to their high skill and training. These wages will then stay local and be spent in the community. A union workforce will help guarantee that this project will be built on time, on budget, and most importantly for our community: safely.

In addition to the economic benefits of building this project with a union workforce, there is also the benefits both locally and globally of bringing more green power on line. In order to meet the recent goal of California for producing 100% zero-carbon electricity by 2045 we need to begin building those green power projects now. This 155-megawatt

project would be able to power 85% of households in Humboldt County with safe, clean energy. Everyone has to do their part in this effort, and this project helps us all meet that goal.

Please add this letter to the record for the Board's proceedings on December 16th, and count me as a strong supporter of union labor and green power. Please vote to authorize Humboldt Wind LLC's Conditional Use Permit.

Regards,  
Greg Page.

## Lippre, Suzanne

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**From:** Werner, Steve  
**Sent:** Thursday, December 12, 2019 2:10 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Wind Farm: Further Comments

**From:** Eberhardt, Brooke <BEberhardt@co.humboldt.ca.us>  
**Sent:** Thursday, December 12, 2019 9:09 AM  
**To:** Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Ford, John <JFord@co.humboldt.ca.us>  
**Subject:** FW: Wind Farm: Further Comments

Hello all,

Please see below for public comment on the TerraGen project.

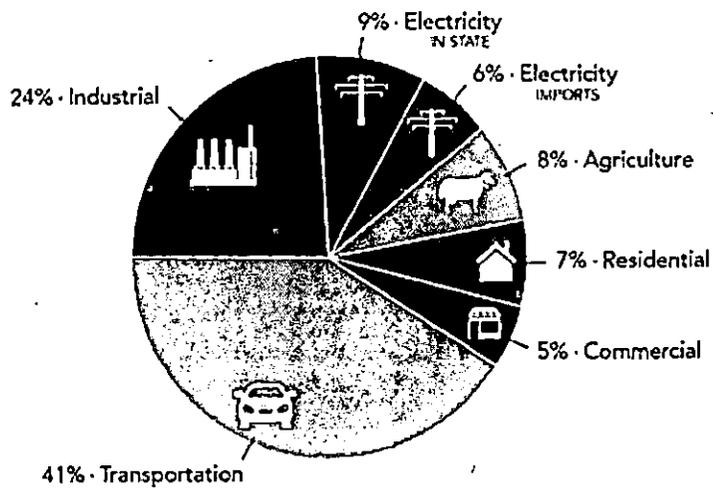
Thank you,

Brooke Eberhardt  
Deputy Clerk of the Board of Supervisors  
County of Humboldt  
825 Fifth Street, Room 111  
Eureka, CA 95501  
707.476.2385

**From:** Katherine <katherinebettis@gmail.com>  
**Sent:** Tuesday, December 10, 2019 5:00 PM  
**To:** Eberhardt, Brooke <BEberhardt@co.humboldt.ca.us>  
**Subject:** Wind Farm: Further Comments

1) Does the land on which the towers are proposed to be built have a right to air space over 500 feet? Over 80 feet? I read that navigable airspace starts at 500 feet.

2) The best way to reduce carbon emissions is to quit driving and flying. The wind farm would have little impact on carbon emissions.



**424.1 MMTCO<sub>2</sub>e**  
**2017 TOTAL CA EMISSIONS**

Source: <https://ww2.arb.ca.gov/ghg-inventory-data>

## Lippre, Suzanne

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**From:** Werner, Steve  
**Sent:** Thursday, December 12, 2019 2:29 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Sent:** Thursday, December 12, 2019 2:13 PM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

FYI

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*County of Humboldt*  
*(707) 476-2396*  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** David Leslie <David.Leslie.261346620@p2a.co>  
**Sent:** Thursday, December 12, 2019 2:12 PM  
**To:** Hayes, Kathy <KH Hayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

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In addition to the economic benefits of building this project with a union workforce, there is also the benefits both locally and globally of bringing more green power on line. In order to meet the recent goal of California for producing 100% zero-carbon electricity by 2045 we need to begin building those green power projects now. This 155-megawatt

project would be able to power 85% of households in Humboldt County with safe, clean energy. Everyone has to do their part in this effort, and this project helps us all meet that goal.

Please add this letter to the record for the Board's proceedings on December 16th, and count me as a strong supporter of union labor and green power. Please vote to authorize Humboldt Wind LLC's Conditional Use Permit.

Regards,  
David Leslie

## Lippre, Suzanne

---

**From:** Werner, Steve  
**Sent:** Thursday, December 12, 2019 2:39 PM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KHayes@co.humboldt.ca.us>  
**Sent:** Thursday, December 12, 2019 2:37 PM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

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*(707) 476-2396*  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** Harry Herkert <[Harry.Herkert.261352407@p2a.co](mailto:Harry.Herkert.261352407@p2a.co)>  
**Sent:** Thursday, December 12, 2019 2:35 PM  
**To:** Hayes, Kathy <KHayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

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Regards,  
Harry Herkert.

## Lippre, Suzanne

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**From:** Werner, Steve  
**Sent:** Friday, December 13, 2019 10:16 AM  
**To:** Lippre, Suzanne  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

**From:** Hayes, Kathy <KHayes@co.humboldt.ca.us>  
**Sent:** Friday, December 13, 2019 9:29 AM  
**To:** Ford, John <JFord@co.humboldt.ca.us>; Werner, Steve <SWerner@co.humboldt.ca.us>; Bass, Virginia <VBass@co.humboldt.ca.us>; Bohn, Rex <RBohn@co.humboldt.ca.us>; Fennell, Estelle <EFennell@co.humboldt.ca.us>; Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>; Madrone, Steve <smadrone@co.humboldt.ca.us>  
**Subject:** FW: Support Humboldt Wind LLC Conditional Use Permit

FYI

*Kathy Hayes, Clerk of the Board*  
*County of Humboldt*  
*(707) 476-2396*  
[khayes@co.humboldt.ca.us](mailto:khayes@co.humboldt.ca.us)



**From:** John Church <[John.Church.261518476@p2a.co](mailto:John.Church.261518476@p2a.co)>  
**Sent:** Friday, December 13, 2019 9:22 AM  
**To:** Hayes, Kathy <KHayes@co.humboldt.ca.us>  
**Subject:** Support Humboldt Wind LLC Conditional Use Permit

Dear Member of the Board,

I'm a member of the Operating Engineers Local 3 and I'm writing to urge you to support the Humboldt Wind LLC Conditional Use Permit. It is important to build this project not only to create economic growth and high paying jobs in the area, but to do our part to contribute to the next generation green energy that our state needs.

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Please add this letter to the record for the Board's proceedings on December 16th, and count me as a strong supporter of union labor and green power. Please vote to authorize Humboldt Wind LLC's Conditional Use Permit.

Regards,  
John Church

**Lippre, Suzanne**

---

**From:** Ford, John  
**Sent:** Friday, December 13, 2019 10:30 AM  
**To:** Lippre, Suzanne  
**Subject:** FW: TerraGen



John H. Ford  
Director  
Planning and Building Department  
707.268.3738

**From:** Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>  
**Sent:** Friday, December 13, 2019 10:28 AM  
**To:** Ford, John <JFord@co.humboldt.ca.us>  
**Subject:** Fwd: TerraGen

Mike Wilson P.E.  
Humboldt County Supervisor, District 3  
(707) 476-2393

Sent from cell phone.

---

**From:** Nick Lucchesi <[nick@pacificbuilders-arcata.com](mailto:nick@pacificbuilders-arcata.com)>  
**Sent:** Thursday, December 12, 2019 4:11:51 PM  
**To:** Wilson, Mike <[Mike.Wilson@co.humboldt.ca.us](mailto:Mike.Wilson@co.humboldt.ca.us)>  
**Subject:** TerraGen

Mike,

I just wanted to pass along my thoughts on this; I am troubled by the environmental fix we are in and where that is headed, and TerraGen seems to consolidate all the difficult issues related to solving climate change. I don't know if this is the right project or not; it seems like there are some valid arguments on both sides. But at some point, projects will have to get done that not everyone is in agreement with; that offend sections of the population; that include painful tradeoffs as far the local impact they have vs. the overall benefit that they embody.

The question is more than: is TerraGen a good project? It is: if not this, then what? We need to show some leadership in this matter. "No" is always going to be easier than the difficult process of finding a solution that offends the least number of people and produces the most good. I would ask that same question to those that are decisively opposed; "Ok, but what are we actually going to do?"

Nick

**Nick Lucchesi**  
Project Manager



Ph. 707-822-7720  
Fax 707-822-7369

## Lippre, Suzanne

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**From:** Ford, John  
**Sent:** Friday, December 13, 2019 10:31 AM  
**To:** Lippre, Suzanne  
**Cc:** Werner, Steve; Elizabeth Burks; Duke, Natalie  
**Subject:** FW: Humboldt Wind Project



John H. Ford  
Director  
Planning and Building Department  
707.268.3738

**From:** Wilson, Mike <Mike.Wilson@co.humboldt.ca.us>  
**Sent:** Friday, December 13, 2019 10:28 AM  
**To:** Ford, John <JFord@co.humboldt.ca.us>  
**Subject:** Fwd: Humboldt Wind Project

Mike Wilson P.E.  
Humboldt County Supervisor, District 3  
(707) 476-2393

Sent from cell phone.

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**From:** [ggaiera@suddenlink.net](mailto:ggaiera@suddenlink.net) <[ggaiera@suddenlink.net](mailto:ggaiera@suddenlink.net)>  
**Sent:** Thursday, December 12, 2019 3:29:59 PM  
**To:** Wilson, Mike <[Mike.Wilson@co.humboldt.ca.us](mailto:Mike.Wilson@co.humboldt.ca.us)>  
**Subject:** Humboldt Wind Project

Mike,  
I am not a fan of corporate greed.  
I am not okay with "stealing" tribal land.  
I like birds and bats. I don't want to destroy their habitat.  
All that being said, we are in the midst of a climate crisis, and we need to start make some difficult choices. There will be consequences to this project, but I believe, and there is good evidence to support the fact, that if we don't do anything, the consequences will be far greater.

I support the Terra Gen Project.

Greg Gaiera