

# Materials Submitted At Meeting

**The following public comments  
(up to and including  
the petition opposing biomass)  
were submitted at the October 24, 2019,  
RCEA Board of Directors meeting.**

**Public comment on agenda item 5.1-  
Comprehensive Action Plan for Energy**

**To: Redwood Coast Energy Authority Board of Directors**

Estelle Fennell, RCEA Board Member Humboldt County

Dwight Miller, RCEA Board Member City of Trinidad

Michael Winkler, RCEA Board Chair, City of Arcata

Summer Daugherty, RCEA Board Member, City of Blue Lake

Austin Allison RCEA Vice Chair), City of Eureka

Robin Smith, RCEA Board Member, City of Ferndale

Dean Glaser, RCEA Board Member, City of Fortuna

Frank Wilson, RCEA Board Member, City of Rio Dell

Sheri Woo, RCEA Board Member, Humboldt Municipal Water District

Cc: Matthew Marshall, Executive Director RCEA

**Testimony by Daniel Chandler, Ph.D<sup>1</sup>.**

**Spoken testimony is in boldface.**

As someone who has done research for forty years to test, evaluate or predict good policy—but someone new to the field of biomass—I believe there is an opportunity for RCEA to get out ahead of difficult decisions on biomass that will need to be taken when wind power makes local electricity available with much lower emissions.

I want to make two quick points, and then hope you will follow me in drawing from them two implications. Both points are made many places in the literature. I am quoting this source in particular because it was published in 2019 with authors from multiple countries. It is from the peer-reviewed journal called Global Change Biology (GCB) Bioenergy. The article is called, *Serious mismatches continue between science and policy in forest bioenergy*. [It is free online at: <https://onlinelibrary.wiley.com/doi/full/10.1111/gcbb.12643>]

**Two facts:**

**Woody biomass contains less energy than coal** (bio- mass pellets 9.6–12.2 GJ/m<sup>3</sup>; coal 18.4–23.8 GJ/m<sup>3</sup>; IEABioenergy, 2017), **so that CO<sub>2</sub> emissions for the same energy output are higher [in biomass than in coal]** (110 kg CO<sub>2</sub>/GJ for solid biomass, 94.6–96 kg CO<sub>2</sub>/GJ for coals in IPCC, 2006).

**Second fact:**

**When climate mitigation policies were being developed, the delay in achieving net reductions in emissions was left out of the regulations. However, the Paris Agreement now commits ‘to pursue efforts to limit the temperature increase even further to 1.5°C’** ([https:// unfccc.int/process-and-meetings/the-paris-agreement/ the-paris-agreement](https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement)—accessed May 10, 2019). **Given that the Intergovernmental Panel on**

---

<sup>1</sup> Ph.D. in sociology from UC Berkeley, 1972. Since then Dr. Chandler has done policy-oriented research for the Assembly Office of Research, the County of Sacramento, and in conjunction with Lewin Associates, and the California Institute for Behavioral Health Solutions.

Climate Change (IPCC, 2018) projects that average surface temperatures are likely to exceed 1.5°C between 2030 and 2052 on current trends, payback periods of decades increase the risk of overshooting Paris Agreement targets. Even the shortest payback periods [for biomass] compare unfavourably with those of solar and wind which offer net CO<sub>2</sub> emission savings within months to a few years (Marimuthu & Kirubakaran, 2013).

**The first implication is that the CAPE plan should build in flexibility about biomass. Biomass is obviously needed now. How much will it be needed in five years or ten years if the Terra Gen wind farm is implemented? We don't know. So please don't overcommit.**

**The second implication, is that while burning is the worst use of mill waste because the greenhouse gas emissions go directly into the atmosphere, there will need to be a transition to a better way of using mill waste in which carbon is sequestered for long periods of time.**

**So my suggestion is that the Board instruct the RCEA staff to use the next three to five years to obtain a Life Cycle Assessment of the greenhouse gas emissions of alternative uses of mill waste. These should include burning for electricity, composting, recycling into new products, and gasification and biochar. We are lucky to have Schatz Energy Research Center in our community. Using existing RCEA consultant funds they could do a preliminary study that includes developing the kind of detail that would be necessary to put into an RFP for a full-fledged study.**

---

**~~Both these actions have minimal costs but a big potential for reducing large amounts of greenhouse gases in the critical next thirty years.~~**

**Thank you for considering these suggestions**

**From:** [EnergyPlan2019@RedwoodEnergy.org](mailto:EnergyPlan2019@RedwoodEnergy.org)  
**To:** [Lori Taketa](#)  
**Subject:** FW: Addendum to comments submitted to RCEA Board of Directors October 24, 2019  
**Date:** Tuesday, October 29, 2019 12:05:45 PM  
**Attachments:** [Addendum to RCEA Board testimony.docx](#)

---

---

**From:** Daniel Chandler [REDACTED]  
**Sent:** Monday, October 28, 2019 9:17 PM  
**To:** EnergyPlan2019@RedwoodEnergy.org  
**Subject:** Addendum to comments submitted to RCEA Board of Directors October 24, 2019

Please accept this addendum to the short presentation I made to the Board on the 24th. It includes other points that were not possible to fit into the oral comment format. There is also tangential overlap with comments made to the RCEA Community Advisory Board. All comments pertain to biomass energy.

Again, thank you very much for your very open planning process.

Dan Chandler

Daniel Chandler, Ph.D.  
Research and Evaluation Consultant

[REDACTED]  
[REDACTED]  
[REDACTED]



## Addendum to statement on biomass submitted October 24, 2019 to RCEA Board of Directors

Submitted by Daniel Chandler, Ph.D.

### Context

1. The RCEA Board has committed itself to 100% clean and renewable energy by 2025. Biomass energy from burning mill wastes is not “clean” or, in a scientific sense, renewable (carbon neutral).
  - a. Humboldt County's biomass plants are among the county's top stationary sources of air pollution. Data from 2014 through 2017 (the latest) are shown in below, as is comparable data from the PG&E Humboldt Bay Generating Station. The maximum metric tons of greenhouse gases emitted in any of these four years for each stationary source was:

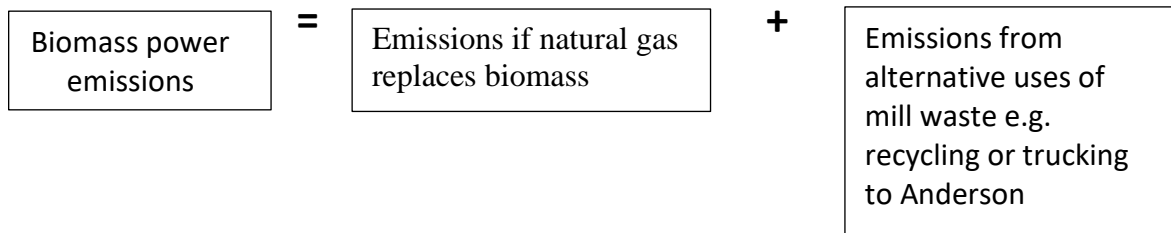
DG Fairhaven:	230,000
Humboldt Sawmill:	235,500
PG&E Humboldt Bay:	199,500

However, due to plant closures at both sites, it has been highly variable by year over these four years.
  - b. The power plants in Humboldt are classed by the state as providing “renewable” energy. The Scotia plant also provides steam to an adjacent sawmill. Although mill wastes and other “feedstock” used in biomass power come from forestry many scientists argue that the emissions and sequestration of GHG must be calculated separately for the biomass generation of energy, not incorporated into the overall equations of sustainable forest management. This would mean the emissions from biomass energy are not carbon neutral and not renewable. The mills have no independent way of sequestering carbon, and trees planted as part of sustainable forestry do not offset mill wastes.<sup>1</sup>

---

<sup>1</sup> This is a fraught issue and elements continue to be controversial. While fossil fuels by definition are not renewable, the EPA under Trump has announced that by definition biomass is carbon neutral. The policy seems designed to further the biomass industry as do California biomass policies. But the fact that European energy plants that burn wood pellets are also officially considered carbon neutral has become something of a scandal. (Booth, Mary. 2018. Not carbon neutral: Assessing the net emissions impact of residues burned for bioenergy. Environmental Research Letters; Millward-Hopkins, J., & Purnell, P. 2019. Circulating blame in the circular economy: The case of wood-waste biofuels and coal ash. Energy Policy, 129, 168 - 172. doi:<https://doi.org/10.1016/j.enpol.2019.02.019>) Locally, the Humboldt Climate Action Plan does not classify emissions from biomass power as emissions because the state has the official position that biomass is carbon neutral. (email from Conor McGuigan of the Humboldt County Planning Department). The preferred method of studying emissions and sequestration is Life Cycle Assessment. In general, it proceeds from the basis that if a secondary use (in this case burning mill wastes) provides more than 1% of the total market value it should be analyzed separately. In this case, that means the mill waste cannot ride the coat tails of forest management. (Millward-Hopkins, *ibid.*). This is not academic because the method of accounting for carbon, that is whether it is deemed neutral, in biomass analyses has a large effect on the GHC impact of alternatives. (Morris, J. 2017, Recycle, Bury, or Burn Wood Waste Biomass?: LCA Answer Depends on Carbon Accounting, Emissions Controls, Displaced Fuels, and Impact Costs. Journal of Industrial Ecology, 21: 844-856. doi:10.1111/jiec.12469) See the first figure in Appendix 2 of this document to understand how much difference the assumption makes. While burning of some waste, e.g. construction debris or clean milled wood, has been studied mill wastes such as used in Humboldt has not yet received a Life Cycle Assessment. (One torrefaction option was

As a consequence, the desirability of biomass power with regard to greenhouse gas emissions becomes one of how much greenhouse gases would be released if the waste were *not* being burned for electrical energy.<sup>2</sup> There is no perfect solution, but the diagram below shows the equation we have to solve. We could replace biomass power (with natural gas) tomorrow but the emissions from mill waste do not just disappear. Unfortunately there are not now Life Cycle Assessments that would allow us to fill in these boxes reliably.



---

Conservation and controlled peak use would reduce emissions used to generate electricity, but don't change the equation: mill waste emissions still go somewhere.

---

studied in 2014 in a HSU Master's Thesis: <http://humboldt-dspace.calstate.edu/handle/10211.3/123998>. The preliminary finding was that "timber harvest waste" emitted less GHG if torrefied and then used as an alternative to coal in coal-burning power plants.)

<sup>2</sup> The main existing options are putting the waste in landfills to the extent this is compatible with the law (and perhaps capturing some of the methane released), composting, several types of gasification (which can be captured while producing residues, like charcoal, which can be used for fuel or soil amendment), or reuse/recycle such as in particle board or pet bedding. At one plant, the steam used to generate electricity is also used to dry wood. So loss of a market for the electricity could conceivably not result in reduced emissions if the plant is still run for wood drying. All of these options have a net impact on GHG emissions. In 2017, John Anderson, director of forest policy at Mendocino Redwood Co/Humboldt Redwood Company said that HRC would sell most waste as a soil amendment, animal bedding, or similar use if not burning it to create electricity. See the white paper by Katy Gurin, Colin Fiske and Greg Gaiera, 'Biomass Energy in Humboldt County, available at <https://world.350.org/humboldt/campaigns/local-clean-energy/>

### Proposed Recommendation<sup>3</sup>

Since a scientific answer regarding the environmental impact of alternative uses of mill waste is not yet clear, *350 Humboldt urges RCEA to contract with an energy analysis firm for a life cycle assessment of the use of mill wastes and other raw biomass for electricity generation in Humboldt County.*<sup>4</sup> Ideally, RCEA would seek supplementary funding so that the analysis would cover all 34 powerplants<sup>5</sup> in California that burn biomass for electricity.

Note that if RCEA decides biomass power can be replaced by 2025 with clean and renewable power from another energy source this study is not needed. An example of the kind of study that would be useful is in Appendix 1, although it focused on construction waste rather than mill waste.

To be clear, since we need a study to fill in the values for GHG emissions in the chart above, it is not possible to scientifically advocate for either supporting biomass electricity or opposing it at this point. However, there are a number of proposals that might increase our knowledge or move us toward clean and renewable electricity that stop short of advocacy either direction. For convenience some of these are listed below. These, and perhaps others, would all be compatible with the primary recommendation that RCEA have an LCA study completed.

### Related Recommendations

- Wendy Ring has pointed out that the source or amount of local peak energy need not be assumed to be fixed. The overall equation might be modified by writing into the CAPE plan that RCEA will investigate reducing the need for local peak power in ways similar to other communities using strategies that include reducing peak demand (peak shaving) with battery storage at large customers, shifting the time of electricity use by large customers by means of financial incentives, remote control of smart devices like electric water heaters and EV chargers to turn reduce power demand and even feed power into the grid at peak times, and planned increase of peak power conservation through energy efficiency. In the same vein, a Humboldt-only *Ohm Connect* could help conserve energy at peak hours. (The 150,000 Ohm Connect participants reduced power *this*

---

<sup>3</sup> This is not a new recommendation. The 2017 position paper by Gurin, Fiske and Gaiera mentioned earlier states: "RCEA should support ongoing research into the full life-cycle carbon impacts of local biomass power production and fund its own research if necessary. If other feasible modes of mill waste management show substantial greenhouse gas emissions savings over raw biomass incineration, or if research reveals other significant GHG impacts of local biomass power production, RCEA should phase out biomass from the CCE grid mix."

<sup>4</sup> A preliminary step could be contracting with Schatz Energy to do a literature review in order to clarify what is known and what needs additional data collection. This could be done by use of a non-competitive consultant contract: [https://redwoodenergy.org/wp-content/uploads/2019/08/RFQ\\_19\\_601\\_Energy-Assessment\\_Professional-Services.pdf](https://redwoodenergy.org/wp-content/uploads/2019/08/RFQ_19_601_Energy-Assessment_Professional-Services.pdf)

<sup>5</sup> <http://www.calbiomass.org/facilities-map/>

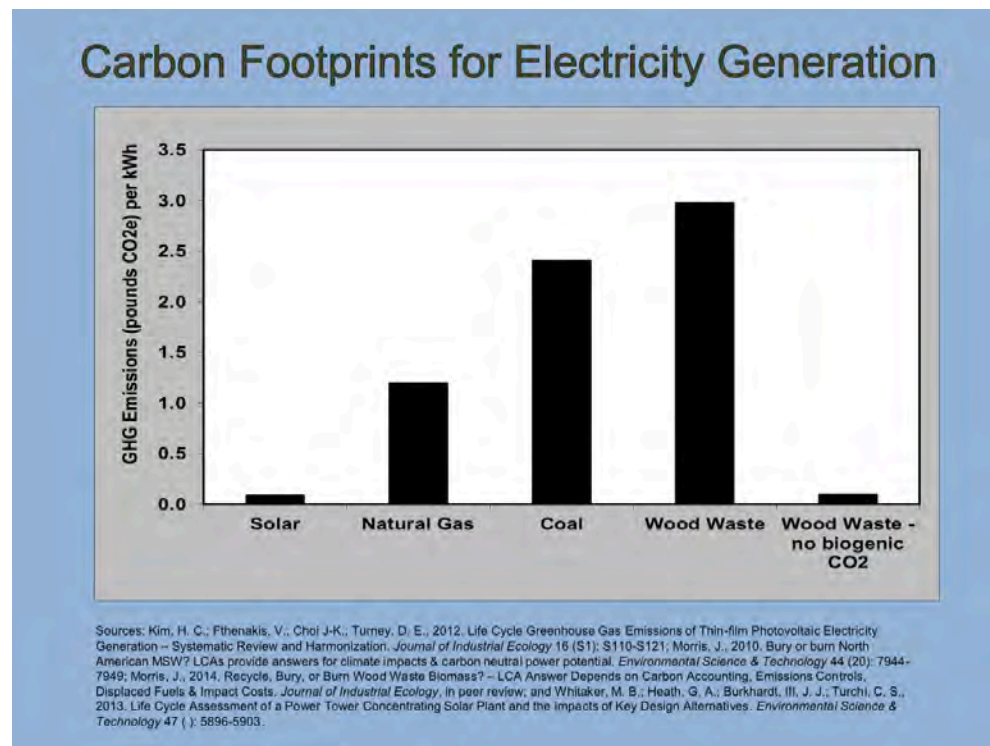
summer equivalent to shutting down four dirty power plants or planting 1.5 million trees.)

- EPIC has suggested removing any fixed megawatt target tied to local biomass. While the powerplant operators need some information to plan on, removing the fixed target would provide RCEA the flexibility it may need if an LCA study shows feasible lower GHG alternatives.

## APPENDIX I

### AN EXAMPLE LCA STUDY

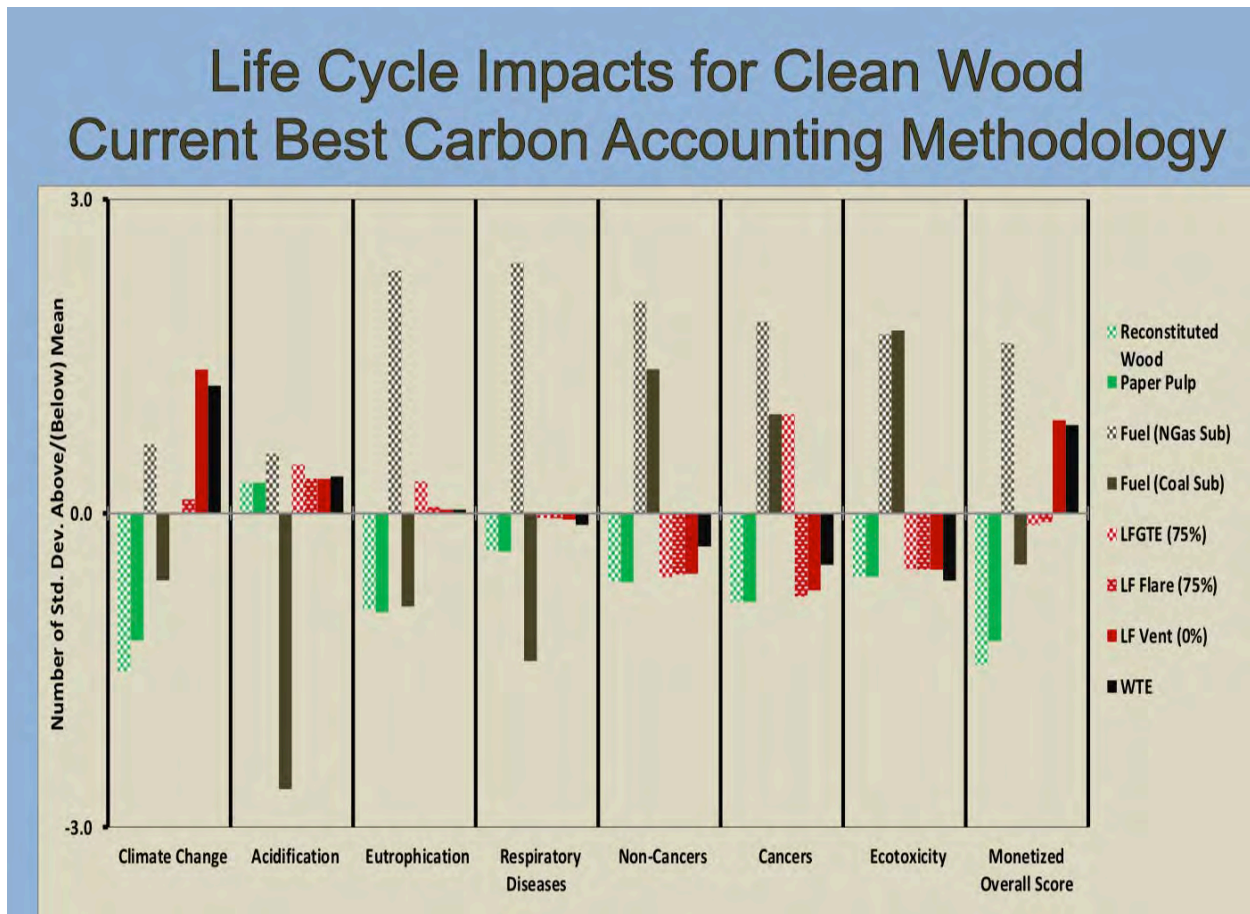
Two graphs from Morris, J. 2017, Recycle, Bury, or Burn Wood Waste Biomass?: LCA Answer Depends on Carbon Accounting, Emissions Controls, Displaced Fuels, and Impact Costs. *Journal of Industrial Ecology*, 21: 844-856. doi:10.1111/jiec.12469



NOTE: Results in this study are shown to depend greatly on the carbon accounting method used. The “best” method shown below includes the assumption of biogenic CO<sub>2</sub>. That is, emissions of CO<sub>2</sub> are attributed to the method of using waste wood rather than assuming CO<sub>2</sub> is neutral (just because it is not a fossil fuel). Morris gives several technical reasons for this assumption, but the most basic is that the environment is affected by the CO<sub>2</sub> emissions in the same way whether it is from fossil fuels or wood products.

The calculations in this article are for clean wood from construction or demolition sites, so the conclusions cannot be assumed to be true for mill

waste (according to the author in conversation with Wendy Ring). The graphs are shown as an illustration of what a well-done LCA that is based on mill wastes would look like. In the table below WTE stands for Waste to Energy (e.g. burning trash for energy) is included for comparison purposes.] [In the graph below being over the mean (above the midline) is a negative outcome. Recycling, which includes the first two methods, demonstrated a positive finding for all outcomes and substituting biomass power for natural gas demonstrated a negative finding for all outcomes.]



Eight management options are assessed: recycling into reconstituted wood products or papermaking pulp; combustion for heat energy displacing natural gas or coal; landfilling with 75% methane capture for electricity generation or flaring, or with zero methane capture; and waste-to-energy (WTE) facility combustion for electricity generation.

Author's conclusion: "Recycling (the first two or green options) ranks better than burying (land fill) or burning in the base case under two of the seven environmental burdens analyzed in this LCA, as well as for monetized overall score. Substitution of wood for coal in industrial boilers ranks first for the climate, third overall, and ahead of high CH<sub>4</sub> capture rate landfill options. *Substitution of wood for natural gas in industrial boilers ranks at the bottom overall and for five of the seven environmental impacts.* For monetized score, WTE and landfilling without CH<sub>4</sub> capture rank sixth and seventh, respectively, out of eight."

\*\*As shown in the first graph of Appendix 1, results in this study are very sensitive to whether the biogenic CO<sup>2</sup> produced is attributed to the method or discounted, assuming that biogenic CO<sup>2</sup> is not possible.

For a copy of the Morris paper please ask Dan Chandler





Thank you for the opportunity to express my opposition to biomass as an energy source. I urge the RCEA Board not to renew the current biomass contracts and not enter into any additional biomass contracts.

Biomass energy costs more than solar and wind energy as shown by the California Energy Commission diagrams and graphs comparing costs. Operation and maintenance of our biomass plants, which will be over 40 years old by 2030, costs more than operation and maintenance of solar and wind infrastructure. Solar and wind don't have fuel costs; biomass does. Biomass fuel cost can vary with unforeseen problems. Conflict in the Middle East can raise the price of diesel for biomass fuel transport. Economic recession can reduce the demand for lumber and the associated waste.

The timber industry already benefits from subsidies in the form of lower property tax rates and schedule T tax write offs for timber harvested. RCEA ratepayers should not have to provide an additional subsidy by paying the timber industry to get rid of the waste it generates. The Institute of Political Economics at Utah State University in the report *Reliability of Renewable Energy: Biomass*, states: "biomass subsidies increase the cost of electricity for tax payers [and rate payers] and redistribute wealth to biomass producers."

Regulation defines the level of damage allowed; it does not require no damage. Cleaner is not clean.

The judge who ruled on the consent decree EPA vs Blue Lake Power stated: "the reduction in carbon monoxide and nitrous oxides will provide pollution reduction benefits to the surrounding community." If/when the Blue Lake biomass plant starts up, the community will experience the "allowed amount of pollution". The Intergovernmental Panel on Climate Change discussion on atmospheric CO2 has no special category for biomass CO2. Carbon dioxide molecules have the same capacity to capture long wave radiation regardless of whether California labels them as biogenic or non-biogenic. The time required for carbon sequestration according to the IPPC is 50 to 500 years. A study that I submitted in Oct., 2016 from Oregon State University showed that, for a variety of timber thinning scenarios, more than 50 years were needed to sequester the equivalent amount of carbon that existed in the timber before harvest. A timber rotation time of less than 50 years contributes to atmospheric carbon totals.

10/24/2019 Walt Parrish

# CALIFORNIA ENERGY COMM.

## MAY 2019

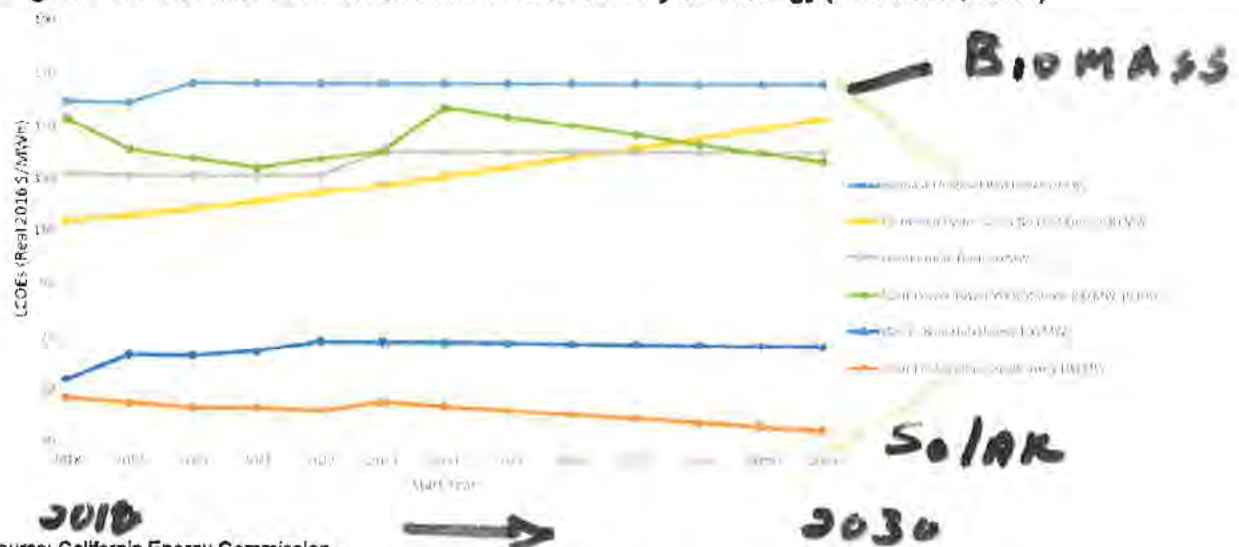
### ESTIMATED COST OF NEW UTILITIES

power plants. In addition, the availability of incentives such as federal tax credits can also affect the cost of a particular technology and lower project financing costs.

#### Levelized Cost of Generation Estimates

Figure ES-1 shows the mid case levelized cost estimates for a selection of technologies studies in this report: biomass, combined cycle, geothermal flash, solar tower, wind, and solar PV (single axis). The mid case is an assessment of the cost that is most likely to occur. It is bounded by a high case and a low case, which use simultaneous highest cost and lowest cost factors.

Figure ES-1: Levelized Cost of Generation Estimates by Technology (Real 2016 \$/MWh)



Source: California Energy Commission

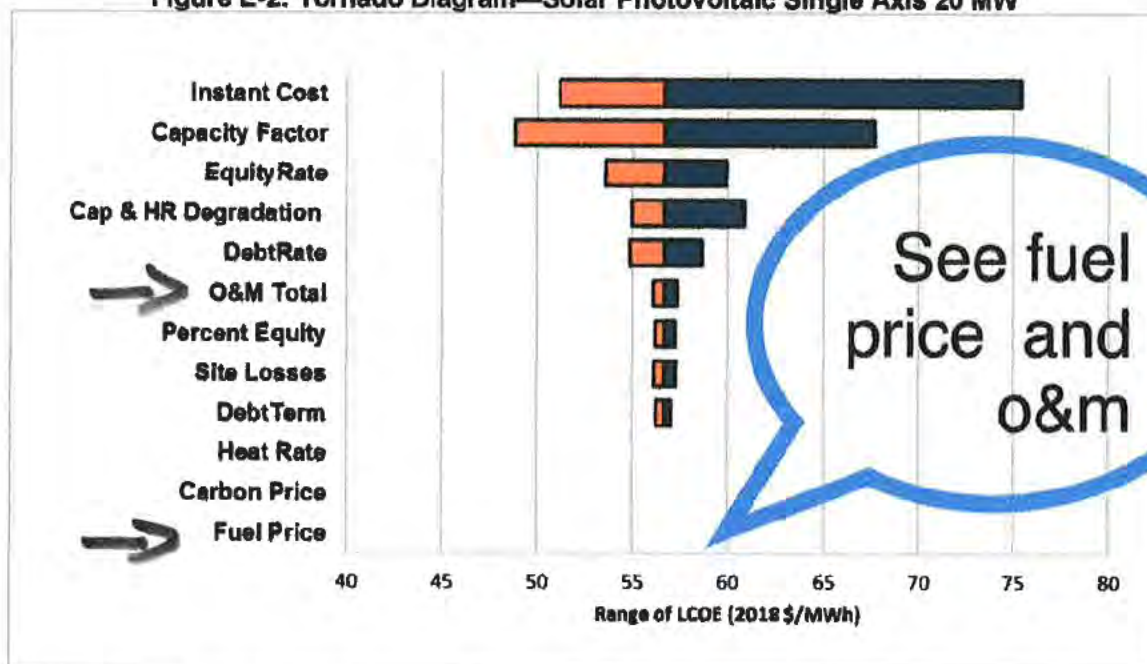
Levelized cost estimates are lowest for solar PV, with the lowest of those being the 100 MW single axis type using crystal silicon technology, at \$49 per MWh in 2018. Wind technology is most competitive before the expiration of the production tax credit, with an estimated levelized cost in 2018 of \$54 per MWh. A traditional combined-cycle plant is estimated to have a levelized cost of \$114 per MWh, while geothermal flash technology is \$132 per MWh, solar power tower is \$153 per MWh, and biomass is \$159 per MWh.

#### Levelized Cost Trends and Implications

Solar PV has experienced dramatic price declines in recent years, exceeding previous estimates. While declining module costs have exhibited the largest cost decrease, inverters, other hardware, labor, overhead, and financing costs have all contributed to the cost decline. Tax credits were important in making solar PV more costs competitive and were a significant driver of development. The phaseout of this credit is expected to have only a temporary cost increase on solar PV projects as their levelized cost is anticipated to continue to decline. Solar PV is the least costly and most likely technology to be developed in California. The generation profile of solar resources poses challenges

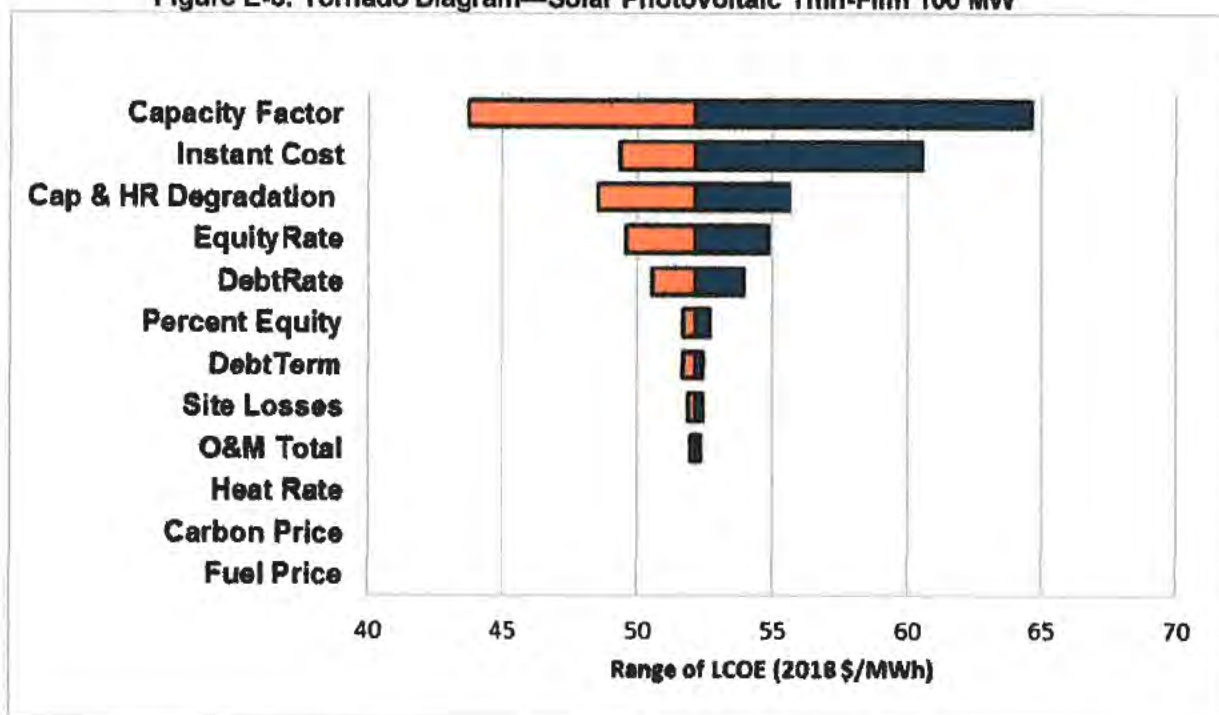


Figure E-2: Tornado Diagram—Solar Photovoltaic Single Axis 20 MW



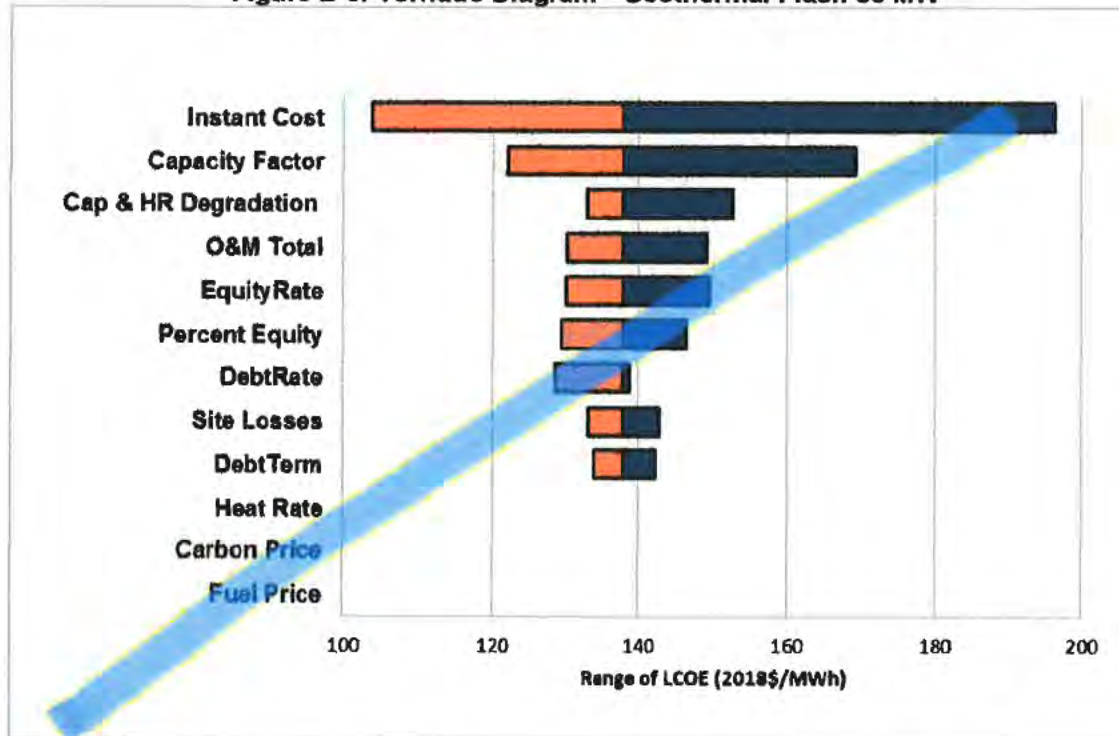
Source: California Energy Commission

Figure E-3: Tornado Diagram—Solar Photovoltaic Thin-Film 100 MW



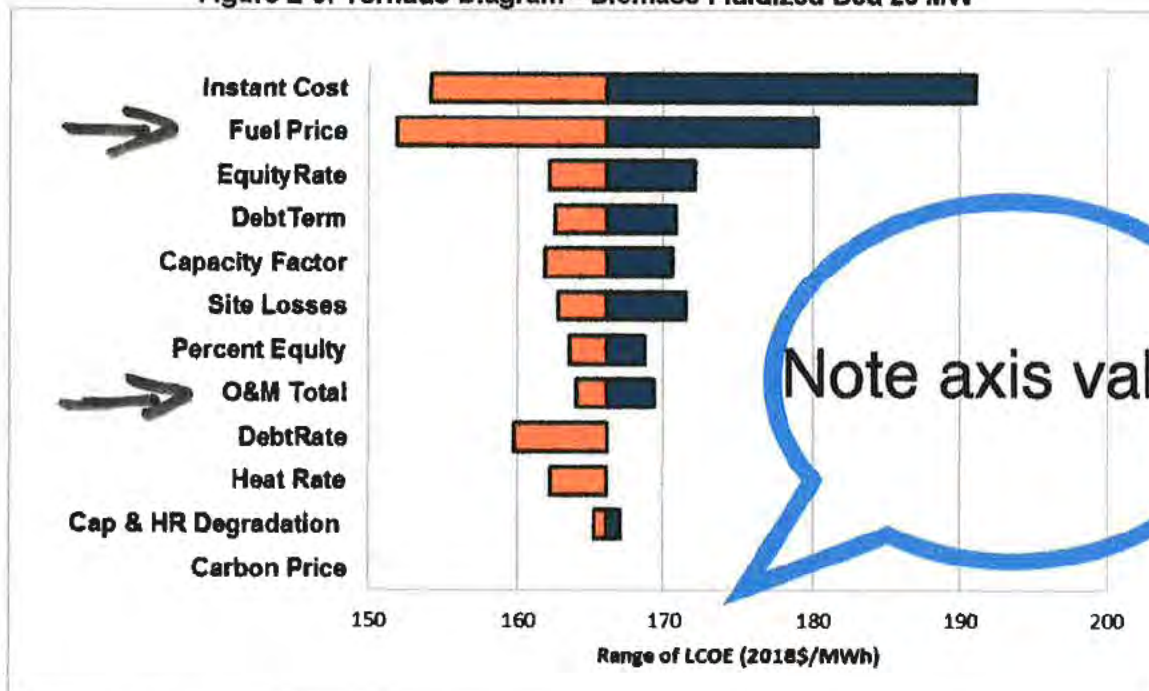
Source: California Energy Commission

Figure E-8: Tornado Diagram—Geothermal Flash 30 MW



Source: California Energy Commission

Figure E-9: Tornado Diagram—Biomass Fluidized Bed 20 MW



Source: California Energy Commission





Oct 24, 2019

Redwood Coast Energy Authority (RCEA) Board  
633 3rd St  
Eureka CA 95501

RE: Agenda 5.2, Wiyot Tribal Opposition to Terra Gen Wind Project and RCEA Support

He'bla'lo (Greetings) RCEA Board,

Thank you for giving the Wiyot Tribe the opportunity to speak regarding the fate of one of its most high prayer sites, at **Tsakiyuwit**, or what we call today, Bear River Ridge and the Cape Mendocino ecological transect. We live in one of the most diverse landscapes in North America, in part because it was shaped and tended by Indigenous peoples, making Humboldt County and other parts of California a rich mosaic of vegetation types, which drives diversity and ecological stability. The proposed Terra Gen wind project, which RCEA appears to have blindly endorsed, is the aerial equivalent of damming up the Smith River, and will forever impact not just the spiritual connection of the Wiyot and other individuals, but the biology of this ecological transect. For example, survey efforts for the project found not just an array of artifacts, including Tuluwat barbed projectiles and plant processing tools, but verified the diversity of the area, identifying 81 different vegetation communities, with 38, or roughly 50% being rare or sensitive and even some newly described communities that may likely have ethnobotanical origin. The prairie system on **Tsakiyuwit** can be seen from outer space as one of the most intact coastal prairies in northwest California, rivaling Bald Hills in Redwood National Park. I would hope that RCEA wouldn't suggest putting a wind farm on Bald Hills, sacred land to the Yurok, so it's ok to put one on **Tsakiyuwit**, out of site and mind from Eureka and Arcata, in a more rural part of the County with less resources to resist? We could go on and on about the biological and cultural impacts, and inadequate mitigations, not to mention the tons GHG's that it would be emitted during construction and maintenance and the 10,000 heavy truck trips in geologically unstable soils? And, as Wiyot elder Leona Wilkinson has said to the Terra Gen reps, "This is not your wind to take! This is the birds, the bats, the Earths, the the redwood tree's wind!" A recent study by Harvard revealed the truth that wind turbines really do affect the local micro-climate and humidity, which may be devastating here, where complex interactions along our edge of the fog belt are critical to summer fog, our local biodiversity, and persistence of the redwoods.

Of equal impact to the wind turbines themselves, is the near 30 mile-long new transmission line corridor, continuing a swath of destruction, over 900 acres of forest to be cleared, along the ecological transect from coastal prairie through redwood, grand fir, Doug fir, and tanoak



forests, and finally to the oak woodlands and glades of Bridgeville. What will RCEA rate payers say when this new transmission line, in very remote timberlands, causes a wildfire that rips either into Pamplin Grove, Grizzly Creek, or Humboldt Redwoods State Park? How much carbon will be at increased risk of release through wildfire? Who will make the decision to de-energize these new lines when catastrophic wildlife conditions exist? RCEA, Terra Gen, Humboldt County? How can we make educated decisions on such matters when we haven't even seen the Final EIR? As a public trust agency, it is premature to give input or support for such a impactful project prior to release of the FEIR and the Tribe urges RCEA to reconsider its PPA with Terra Gen and abandon this project which would only contribute to vulnerable centralized grid-based power and more energy consumption. RCEA should be working toward investing in community solar micro-grids, like its project at the Arcata Airport, rather than giving money to a few wealthy corporate elites from out of the area.

Finally, given both the Wiyot Tribe's endorsement and RCEA's commitment to developing off-shore wind by 2025-2030 with a similar MW project, it is nothing less than criminal and ludicrous to develop **Tsakiyuwit**, a premier cultural and biodiversity hot spot, and ignore the requests and wisdom of the Wiyot Tribe, who have been here since time immemorial. Impacts from off-shore wind are a fraction of the long lasting impacts we would see from developing **Tsakiyuwit** and the surrounding area. We ask the board to please reconsider and revoke its support and backing of the Terra Gen wind project and respect the Tribe's concerns and suggestions of working toward more truly resilient energy independence for Humboldt County. Thank you for your time and consideration.

*Rra'dutwas* (with kindness)



Adam N. Canter,  
Tribal Botanist, GIS, and THPO Cultural Assistant  
Table Bluff Reservation  
1000 Wiyot Dr.  
Loleta, CA 95551  
[adam@wiyot.us](mailto:adam@wiyot.us)  
707-733-5055



25  
MD's

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME	PRINT	SIGN	ZIP	EMAIL	PHONE
Margaret Sheggy			95540		
Andrew Turner			95540		
W. M. HUNTER			95570		
Cartney Ladika			95503		
DEEPAK STOKES			95503		
ROBERT SOFER			95501		
CAROLINE CONNOR			95503		
Jim Argyrakis			95579		
Ann Lindsay			95579		
Corinne Frugone			95521		
Ma					

MD's

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**




NAME	PRINT	SIGN	ZIP	EMAIL	PHONE
Louise Minor			95570		
Robert Fischer			95570		
Tom Wuh			95501		
SPouse - Kathy Satter			95503		
Scott Satter			95503		
LEI HAN			95503		
ALAN FISCHER			95503		
John Mastromi			95501		
Marcella Milan			95514		
Dan R. R. R.			95524		
Stephen Good			95540		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Rebecca Stauffer		95524		
Sarah Scher		95519		
Tamara Dennis		95540		
Tom Plutz		95303		
WENDY RING		95524		
KEN MILLER		95519		

SIGNED  
PAGE  
PAGES

23  
FARMERS

✓

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Carol Ridge		95503		Organic Matters
Autumn Fernald		95521		FERNALD FAMILY FARM
Jake Whitely		95521		TRIDENT LIGHTNING
Dea Gilkerson		95549		EARTH N - HANDS
Chris Moore		95519		woody Ryan Farms
Margaret		95556		PERCE FAMILY FARM
Sue Keel		95521		PERCE FAMILY FARM
Maya Williams		95562		PERCE FAMILY FARM
Tina Jones		95562		PERCE FAMILY FARM
Graham Gagne		95521		PERCE FAMILY FARM
Rover Walker		95558		PERCE FAMILY FARM



FARMERS

# Petition

✓

## TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

Print Name	Signature	Zip	E-mail	Phone
MATT MIKEL		95569		N/A FEISTY DOG ORCHARD
Mike Egan		95521		MYCALITY MUSHROOMS
Ellen Robnett		95503		SPRING HILL FARMstead
Melanie Cunningham		95528		Shakerfork Comm Farm
SPENCER HILL		95546		SMALL FRUITS. FARM
Andy Rigby		95570		TSURA FAMILY FARM
David Shook		95503		" "
Wendy Roper		95546		Quail Run Farm
Wendy Roper		95545		com.com
Kelsey Perone		95525		Rain Frog Farm
Amey Duckmeyer		95569		





## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

Print Name - Signature - Zip - E-mail - Phone

TOM Wheeler		95501		
Chris Hall		95521		
Im Jewett		95503		
Susan Rockwell		95521		
JUDITH SIVIER		95521		
Emilie Lanning		95503		
Jayden Yarbrough		95521		
Cindy Burvis		95521		
Savanna Alves		95521		
Lucas Campbell		95521		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
CONNOR CAVASSA		92025		
Shane Kelly		95525		
LINDA PETERSON		95525		
LAURA NORRIS				
Lorenzo Fassi				
VALERIO AURELI				
GEOFFREY ROBINSON		95525		
SARAH PETERS		95501		
JAMES PECK		95501		
Olivia Brock		95521		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Ariannon <sup>Miramonte</sup>		95501		
Gabrielle Smith		95503		
Andrew Khechb		95524		
Will Dratt		95521		
Kyrstie Obiso		95521		
Kennedy Fox		95524		
Justin Salazar		92082		
Jake Knoller		95521		
Isaac Villalobos		95521		
Isaac West		95521		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME	PRINT	SIGN	ZIP	EMAIL	PHONE
Julie M Ryan			95501		
Jennie Brown			95570		
ADRIENNE ODD			95501		
Carlotta Clark			95525		
Michelle Fuller			95521		
Amy LENNOX			95501		
Sharon Hafne			95503		
Denny Dorsett			95521		
Patricia Bender			95521		
Emerald Gardner			95501		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

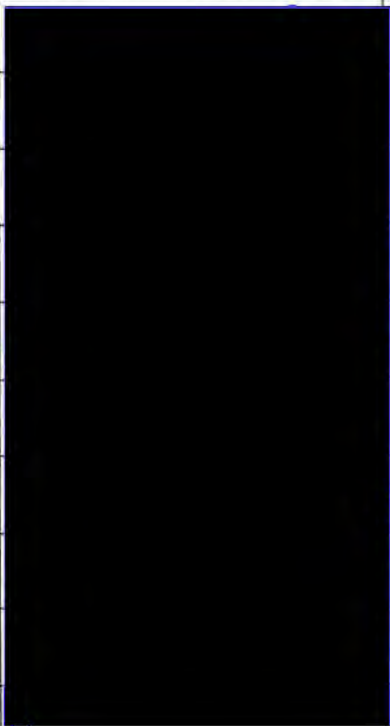
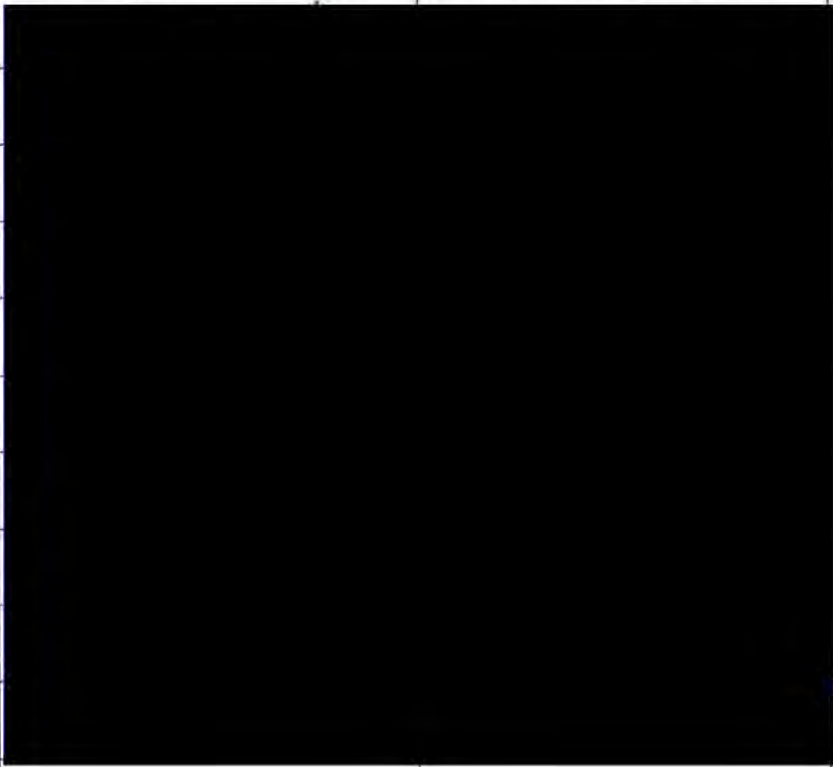
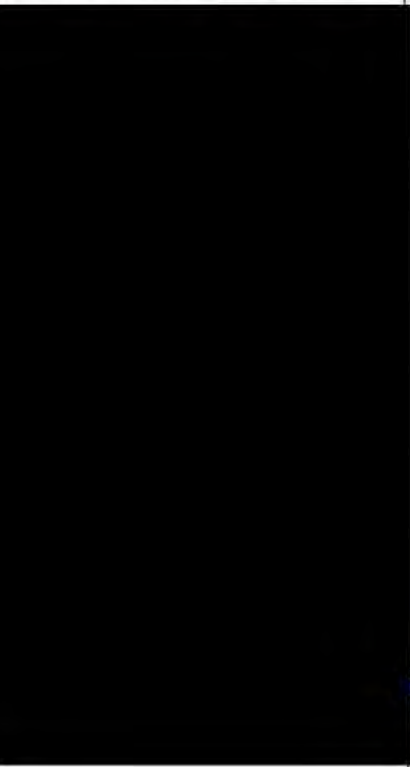
Print name	Sign	Zip	Email	Phone
Jenny Finch		95503		
Claire Perricelli		95501		
Silvia R. Shaw		95521		
Geri R. Ringer		95519		
Nathaniel McLaughlin		95521		
Natasha Fischel		95501		
Jeremy Hara		95501		
Hayley Connors-Kerr		95519		
Charles Sharpe		95524		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
NARMI MCCUMR		95521		
Jonathan Mansfield		95521		
Alex Givens		<del>95521</del>		
Jule Coulter		95821		
Courtne LaChaine		95521		
Kevin Vandenberg		95521		
Eric Southard		95521		
Giovanni Taylor		95561		
Judi Rose		95524		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

Print Name	Sign	Zip	Email	Phone
Taylor Martin		95501		
Albert / [unclear]		95540		
Sean Rowe		95501		
Mark Larsen		95505		
Nancy Ihara		95521		
John McGIBBON		95501		
Brandi Solomon		95501		
Brandon Ramenda		95503		
Roxanne Hartmann		95501		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Forest Juado		95525		
Angeles Cortes		95521		
Alex Galeone		95503		
Grace Jernan		95519		
Sonia W.		95519		
Sean Storch		95521		
Graciela Ortega		95501		
Thett D.		95521		
Daniel Erb		95521		
Melanie Boyd		95570		
Krystal Hasler		95521		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Emily Potter		95521		
Tridian Casareto		95503		
ALEXANDRA CUPON		95521		
Amanda Beeman		95501		
Alexandra Gonzalez		95521		
Patricia Bridgett		95521		
Spencer		95500		
Teresa McGinnis		95503		
Sabrina Ott		95521		
Mark Konkler		95501		
Troy Morgan		95519		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME	PRINT	SIGN	ZIP	EMAIL	PHONE
Kris Diamond			95521		
Paul Culovich Jr.			95570		
Kyle Connors			95521		
Masha Gulak			95521		
Nora Mendoza			95521		
Alejandra V.			95521		
Alyssa P.			95518		
Emily W.			95521		
Paulo M.			95521		
Sam Kempson-Hart			95521		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Kylie Brown		95521		
Isabella Norton		95521		
Trent Johns		95521		
Skyler Mingo		95521		
Taylor Reese		95521		
Lily Worthington		95521		
Fiona Flores		95521		
Carlos Valquez		95521		
Valeria Pedrosa		95521		
Rosemary Torres		95521		
John Chernoff		95521		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Melanie Johnson		95512		
MARA Friedman		95570		
Catherine Pearson		95501		
Stanton Wood		95503		
Breann Burgess		95519		
Annika young		95521		
Richard BEAR		95521		
Sophia Escudero		95521		
Harmony Tryon		95519		
ROSE ALBERT		95524/95527		
Portia Herger		95521		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Wylan Mitchell		95521		
Yannet Plascencia		95521		
Kaila Gilbert		95521		
Abraham Sanchez		95521		
Scarlett Trippsmith		95521		
Timothy Mott		95521		
David Alvarez		95521		
Stephanie Ferkins		95521		
Judith Escobar		95521		
Abby Daniel		95521		
Eve Ashbrook		95521		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME	PRINT	SIGN	ZIP	EMAIL	PHONE
Eva Villamor			95521		
<del>Tanya</del> Mary Gardner			95521		
Lila Davis			95519		
Ronnie MacRae			95522		
Linda Lomeli			95570		
Austin Medlin			95521		
Jerwin Schreier			95521		
Alisa Iyadul			95521		
Alexander Arroyo			95521		
<del>Chris</del>					
Cheryl			Earth		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME	PRINT	SIGN	ZIP	EMAIL	PHONE
Shirley y w			95519		
Fayre Phoenix			95519		
NATHAN DAVIS-FLOYD			95521		
JOSE CASTILLO			95521		
TasPergil			95521		
Kevin Lemmon			95501		
Lonce Nolan			95503		
Gynthia Noel			95563		
Jane RIGGALL			95521		
Jean Corsio			95501		
Gwen Shernock			95503		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Tahya Pleasant		92553		
Monica Arceaga		92553		
Angelica Arriaga		95521		
Kristi Albani		95503		
Erica Davis		95521		
Taylor Harrington		95519		
John Davis		95501		
Bob Doreen		95521		
Stephen		95521		
Samantha Nickles		95521		
Rebecca Wood		95521		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

Optional

Name	Signature	Zip Code	E-mail Address	Phone
Calla Pelletier-Olson		Fortuna		
Rosemary Smith		Feendale		
Kelsey Reedy		95502		
Zoe Reiss		95524		
Jade Taylor		95521		
Melissa Horne		95519		
Alex Riggs		95501		
Daniel Noel		95521		
Lily Price		95521		
Ines Morales		95521		
Jenna Franquelin		95503		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
James Morales		95521		
Cal Lierheimer		95521		
Noreen O'Brien		95503		
Stephen Kepic		95501		
Sandra Hanner		95501		
Tim Rice		95501		
Alice Pitt		95540		
KEN HARPER		95503		
Celene Molina		9550		
Sony <sup>N</sup> <sub>hannano</sub>		95501		
C. Seldner		95551		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
SARAH HUNTER		95570		
Mina Arango		95519		
Daryl Bollig		95523		
Lauren Hirsch		95519		
Tiffany Perez		95521		
Turner Lovell		95521		
John Olson		95524		
Taylor Day		95521		
Kayla Goss		95525		
Elizabeth Herron		95501		
MIKE WALKNER		95519		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Isaac Richards		95519		
Liz Kimura		95501		
Hannah Sosang		95521		
Josh Peterson		95521		
Carolyn Walker		95519		
Jeremy C. Shellhas		95521		
Kelsey Rancorella		95521		
Katie Reid		95521		
Keroland		95521		
Stella Jones		95521		
Kerima Furniss		95521		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
SHERRY HULL		95501		
FRED KESSMAN		11		
Janice Cortes		95521		
Janet Andrews		95525		
KRY 2 + a Giuntini		95521		
Jodi Giuntini		95505		
Dawn Rogers		95500		
Angela Johnston		95503		
Elizabeth Barro		95503		
Melissa Thomas		95501		
Q4 17		95501		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME	PRINT	SIGN	ZIP	EMAIL	PHONE
Lee LeJanic			95570		
Jada LeJanic			95570		
Cindy Elliott			95562		
TRENT HILL			95521		
Penix Rinchart			95521		
Toni Peters			95502		
Victoria			95544		
Abigail Hoshing-Tharp			95524		
Isabel Duplantier			95521		
Jack Miklik			95521		
ALEX TEXAR			95521		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Michael Tequa		95521		
Mario Fernandez		95501		
Christopher Laren		95501		
Patricia Milled		95501		
David Banta		95521		
Fernando Paz		95521		
PETER LOMER		95521		
Elyse Rutledge		03		
Emanuel Everheart		95501		
Xandra Manns		95501		
CARL SAUCIER		95501		

2



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY


We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
PEBBY DARM		95503	_____	
Walter Pence		95503		
LAURA Simpson		95519	_____	
Tom Lynen		95521	_____	
Blaine Skene		95503	_____	
DANIEL Skodsky		95503	_____	
Judy Hargard		95519		
		"		
Inis Light		95521		
Paula Luna		95521		
Jean Mansee		95519		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
MARTHA DEVINE		95521		
Theresa M. Devine		95519		
Kathie Linn		95521		
Braden Boss		95521		
Melanie Herrera		95521		
Mateo Flores		95521		
Russ Gunglton		95521		
Phillip Gayce		95521		
Ryan Studdert		95521		
Michelle Wimbish		95521		
Loena Bryant		95521		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME	PRINT	SIGN	ZIP	EMAIL	PHONE
Daniel Osterman			95521		
Sarah Balster			95569		
Walker Barnett			95501		
Brian Curtis			95524		
Cathleen Cullen			95521		
Margaret Ashcom			95519		
Ruelon Williams			95521		
Michael J. Frank			95519		
Adam Webster			95501		
Chloe Teese			95521		
Eileen			95501		



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

Print Name	Signature	Zip	E-mail	Phone
Sara Pawulak		95521		
Shanlingxian		95521		
Erin Gruber		95525		
CLARISSA ORTEGA		95521		
KATHIE BRATTON		95521		
Chandra Murray		95521		
Carol Weeks		95519		
Fionna Weeks		95519		
Judy Wile		95521		
Steph Lokken		95521		
Zachariah		95501		

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

NAME PRINT	SIGN	ZIP	EMAIL	PHONE
Diane Ryerson		95524		
Joanne McGarry		95518		
Cena Marino		95501		
Jennifer King		95519		
Gina Collins		94903		
Ed Smebiff		95570		
Martha Hunkins		95521		
Shana Katz		95503		
Jerab Pina		95503		
Horan Cox		95503		
Pat Kanzeke		95503		

LOCAL NOT PRIORITY  
HOW WOULD CARD AND EXCHANGE SAIL  
POTENTIAL FOR LOCAL PARTNERSHIP & ANSHORE  
TRANSMISSION

IS HYDRO VULNERABILITY TO CLIMATE

FAST DC  
EC DIESEL

INCENTIVIZE  
GETTING OLD VEHICLES  
OFF ROAD  
GETTING TO FUEL DIESEL

150/H 6L  
21 VS 11



~~~~~

**TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY**

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

**TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY**

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME           | PRINT | SIGN | ZIP        | EMAIL | PHONE |
|----------------|-------|------|------------|-------|-------|
| Aleida Solis   |       |      | 95521      |       |       |
| Mike Golightly |       |      | 95521      |       |       |
| Judy Gallagher |       |      | 95519      |       |       |
| Kathy Sobilo   |       |      | 95501      |       |       |
| Mary Ground    |       |      | 95501      |       |       |
| Carl Sauer     |       |      | 95501-1656 |       |       |
| Eva Rutledge   |       |      | 95503      |       |       |
| Cinda Riche    |       |      | 95503      |       |       |
| Avery Arbough  |       |      | 95521      |       |       |
| Alex Farral    |       |      | 95503      |       |       |
| Tammy Mahin    |       |      | 95501      |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

Print Name - Signature - Zip - E-mail - Phone

|                  |  |       |  |  |
|------------------|--|-------|--|--|
| Andrea Edmonson  |  | 95503 |  |  |
| Martina Napatz   |  | 95521 |  |  |
| Elee Ballings    |  | 95521 |  |  |
| Olivier Seguer   |  | 95503 |  |  |
| Ephraim Lowe     |  | 95521 |  |  |
| Sarah Witz       |  | 95521 |  |  |
| Danielle Seabolt |  | 95521 |  |  |
| Juan Nikola      |  | 95570 |  |  |
| Savana Thamer    |  | 92131 |  |  |
| Clarissa Candau  |  | 95521 |  |  |
| Omega Gaskill    |  | 95524 |  |  |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

Print Name - Signature - Zip - E-mail - Phone

|                |  |       |  |  |
|----------------|--|-------|--|--|
| Anita Ceetini  |  | 90029 |  |  |
| Bellin Bly     |  | 95570 |  |  |
| Andrew Meritt  |  | 95541 |  |  |
| Nicholas Bra   |  | 95521 |  |  |
| Jett Hager     |  | 95521 |  |  |
| Joely Camacho  |  | 95521 |  |  |
| Christy Marks  |  | 95521 |  |  |
| Claire Brown   |  | 95521 |  |  |
| Reet Seider    |  | 95501 |  |  |
| Amy Barnes     |  | 95521 |  |  |
| Manuel Sanchez |  | 95521 |  |  |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

Print Name - Signature - Zip - E-mail - Phone

| Print Name       | Signature  | Zip   | E-mail     | Phone |
|------------------|------------|-------|------------|-------|
| Mackenzie Ridge  | [Redacted] | 95503 |            |       |
| Amadeus          | [Redacted] | 95501 |            |       |
| Autumn Wright    | [Redacted] | 95521 |            |       |
| Shalom Fletcher  | [Redacted] | 95515 | [Redacted] |       |
| Joseph Aguilar   | [Redacted] | 95521 |            |       |
| Jesse B          | [Redacted] | 95521 |            |       |
| Victor Cardona   | [Redacted] | 95521 |            |       |
| Kim Willard-Mace | [Redacted] | 95521 |            |       |
| Alex Givens      | [Redacted] | 95521 |            |       |
| Jade Coulter     | [Redacted] | 95503 |            |       |
| Marina Stenn     | [Redacted] | 95521 |            |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

Print Name - Signature - Zip - E-mail - Phone

|                  |  |       |  |  |
|------------------|--|-------|--|--|
| Luis Gonzalez    |  | 95521 |  |  |
| RILEY GERMAN     |  | 95521 |  |  |
| Zoe Powell       |  | 95521 |  |  |
| Hannah Cornwell  |  | 95519 |  |  |
| Gabby Garza      |  | 95521 |  |  |
| Kaylin Jebait    |  | 95521 |  |  |
| Jenna Sandgraf   |  | 95003 |  |  |
| Lilli LeVan      |  |       |  |  |
| Chris Ceri       |  | 95521 |  |  |
| Rachel Ostrander |  | 95521 |  |  |
| Benjamin Ferrer  |  | 95702 |  |  |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

| Print name         | Sign | Zip   | Email | Phone |
|--------------------|------|-------|-------|-------|
| Martha Runk        |      | 95521 |       |       |
| Eileen Jennis-Samp |      | 95501 |       |       |
| Jordan Lamp        |      | 95501 |       |       |
| LINDA O'HARA       |      | 95503 |       |       |
| Don Swall          |      | 95501 |       |       |
| Tara Spencer       |      | 83704 |       |       |
| Stephan Vandier    |      | 95521 |       |       |
| GAIL SLAUGHTER     |      | 95521 |       |       |
| Lyn Scott          |      | 95503 |       |       |
| Hollie Kling       |      | 95501 |       |       |
| Carly Russell      |      | 95501 |       |       |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

| Print name       | Sign | Zip   | Email | Phone |
|------------------|------|-------|-------|-------|
| Caroline Isaacs  |      | 95551 |       |       |
| Jacqueline Mayra |      | 95501 |       |       |
| Jerry Martien    |      | 95503 |       |       |
| Jill Granger     |      | 95540 |       |       |
| Emryn Grove      |      | 95521 |       |       |
| Dana Laurens     |      | 95503 |       |       |
| Karen Rice       |      | 95549 |       |       |
| Cat McAdams      |      | 98503 |       |       |
| RUSSELL SCOTT    |      | 95501 |       |       |
| Randy Mayes      |      |       |       |       |
| OLLIE WINTER     |      | 95501 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

Print Name - Signature - Zip - E-mail - Phone

|                   |  |       |  |
|-------------------|--|-------|--|
| SARAH CAMPBELL    |  | 95573 |  |
| Madeline Marriott |  | 93004 |  |
| VANESSA ARONZ     |  | 95524 |  |
| Roger Corbett     |  | 95524 |  |
| Larry Glass       |  | 95503 |  |
| Gary Falxa        |  | 95503 |  |
| Joan Tippetts     |  | 95501 |  |
| Chris Beresford   |  | 95524 |  |
| Richard Treis     |  | 95501 |  |
| Dan Seely         |  | 95507 |  |
| Alicia Hamann     |  | 95524 |  |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

Print Name - Signature - Zip - E-mail - Phone

|                      |  |       |  |  |
|----------------------|--|-------|--|--|
| Hannah McCarthy      |  | 95519 |  |  |
| Ariel Perez          |  | 91731 |  |  |
| Ray Triana           |  | 95521 |  |  |
| Raven Gaglien        |  | 95570 |  |  |
| Bella Pantoja        |  | 95570 |  |  |
| Celeste Joyner       |  | 95521 |  |  |
| Ramiro Lopez         |  | 95529 |  |  |
| Isabella Peña-Martin |  | 95521 |  |  |
| Aira Guillen         |  | 95521 |  |  |
| Wendy Carranza       |  | 95521 |  |  |
| Sophia Maga          |  | 95521 |  |  |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

| Print name        | Sign | Zip   | Email | Phone |
|-------------------|------|-------|-------|-------|
| TARA LUNDY        |      | 95561 |       |       |
| Robert Bier       |      | 95560 |       |       |
| LYNDA McDEUT      |      | 95570 |       |       |
| Ryan Stafines     |      | 95503 |       |       |
| Stephanie Bennett |      | 95503 |       |       |
| Hannah Wayne      |      | 95573 |       |       |
| S. Jane Tammann   |      | 95503 |       |       |
| Joshua Adels      |      | 95503 |       |       |
| Ryder Avila       |      | 95503 |       |       |
| Michelle Gledhill |      | 95503 |       |       |
| Julia Heatherman  |      | 95501 |       |       |

Jesse  
Noell &

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

Print Name - Signature - Zip - E-mail - Phone

|                  |  |       |  |  |
|------------------|--|-------|--|--|
| Dorine Lem       |  | 95501 |  |  |
| Aida Kestel      |  | 95521 |  |  |
| Bruce Fagundes   |  | 95521 |  |  |
| Ervin Brown      |  | 95501 |  |  |
| William Anderson |  | 95521 |  |  |
| Bonnie Anthony   |  | 95521 |  |  |
| Andrea Paquette  |  | 95521 |  |  |
| Vanessa Vando    |  | 95570 |  |  |
| Liz Yellin       |  | 95504 |  |  |
| Oliver Jones     |  | 95521 |  |  |
| Kaylin Jeberti   |  | 95521 |  |  |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT        | SIGN | ZIP   | EMAIL | PHONE |
|-------------------|------|-------|-------|-------|
| Audrey Dermmy     |      | 95503 |       |       |
| Michael Berkowitz |      | 95503 |       |       |
| Amy Berkowitz     |      | 95503 |       |       |
| Claire Josefina   |      | 95503 |       |       |
| Laura Cooskey     |      | 95558 |       |       |
| Rachel Grossman   |      | 95521 |       |       |
| Ellise Mather     |      | 95521 |       |       |
| Jesse Noel        |      | 95502 |       |       |
| Kyle Barney       |      | 95521 |       |       |
| Nancy Lopez       |      | 95521 |       |       |
| Ken Miller        |      | 95519 |       |       |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT           | SIGN | ZIP   | EMAIL | PHONE |
|----------------------|------|-------|-------|-------|
| Kathleen A. Marshall |      | 95521 |       |       |
| Aiana Gilkerson      |      | 95549 |       |       |
| Maureen Hart         |      | 95521 |       |       |
| Ann King Smith       |      | 95521 |       |       |
| Ann Wallace          |      | 95521 |       |       |
| Alexander Strickland |      | 95521 |       |       |
| Cassandra Castriota  |      | 95521 |       |       |
| Tania Mejia          |      | 95521 |       |       |
| Katherine Polite     |      | 95521 |       |       |
| Shasta Werthman      |      | 95521 |       |       |
| Elsa Bae             |      | 95521 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| Print Name       | Signature | Zip   | E-mail | Phone |
|------------------|-----------|-------|--------|-------|
| Megan Gardner    |           | 95521 |        |       |
| Ryan Walrod      |           | 95570 |        |       |
| Michael Maxviter |           | 95521 |        |       |
| Gabriela Serran  |           | 95521 |        |       |
| Nancy Lucetell   |           | 95518 |        |       |
| Maeve Flynn      |           | 95521 |        |       |
| Donna Simat      |           | 95521 |        |       |
| West Modak Per   |           | 95521 |        |       |
| Anne Holcomb     |           | 95525 |        |       |
| JON FORSYTH      |           | 95521 |        |       |
| Kristy Neumann   |           | 95579 |        |       |

32  
K



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT         | SIGN | ZIP   | EMAIL | PHONE |
|--------------------|------|-------|-------|-------|
| Megan Bristow      |      | 95521 |       |       |
| Hannah LeWitter    |      | 95524 |       |       |
| Molly Houston      |      | 95521 |       |       |
| Julianne Blandford |      | 95521 |       |       |
| Maren McComas      |      | 95507 |       |       |
| Abigail McComas    |      | 95501 |       |       |
| Lučić Valentine    |      | 95521 |       |       |
| Jane McCaffrey     |      | 95521 |       |       |
| Lucas Campbell     |      | 95521 |       |       |
| GRANT JOHNSON      |      | 93442 |       |       |
| Keary Kennedy      |      | 95521 |       |       |

FILE, ED/11



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT       | SIGN | ZIP   | EMAIL | PHONE |
|------------------|------|-------|-------|-------|
| Anika Sun        |      | 95521 |       |       |
| Rachel Melin     |      | 95520 |       |       |
| Joshua Frye      |      | 95519 |       |       |
| Jim Lennon       |      | 95521 |       |       |
| Stephen Brinkley |      | 95521 |       |       |
| Patricia Ford    |      | 95521 |       |       |
| Laura Miller     |      | 95521 |       |       |
| Jackie Sendel    |      | 95521 |       |       |
| Ana O-Cara       |      | 95521 |       |       |
| Klara Hernandez  |      | 95501 |       |       |
| REGINE FAMILA    |      | 955   |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT      | SIGN | ZIP   | EMAIL | PHONE |
|-----------------|------|-------|-------|-------|
| Sharon Stussman |      | 95519 |       |       |
| FRANK TEPPER    |      | 95519 |       |       |
| PAT Mc Cutcheon |      | 95521 |       |       |
| Shannon Rogers  |      | 95521 |       |       |
| KATHER Blossom  |      | 95521 |       |       |
| Melissa Salter  |      | 95521 |       |       |
| Sean Belmont    |      | 95521 |       |       |
| Sylvia DeRosa   |      | 95503 |       |       |
| Lara Ashbaugh   |      | 95521 |       |       |
| ROBIN M. DONALD |      | 95540 |       |       |
| Laurie Thayer   |      | 95521 |       |       |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT       | SIGN | ZIP   | EMAIL | PHONE |
|------------------|------|-------|-------|-------|
| Daniel London    |      | 95501 |       |       |
| Byrd Lochter     |      | 95503 |       |       |
| Peg Gardner      |      | 95503 |       |       |
| Aimee Pearson    |      | 95503 |       |       |
| Angelica Taggart |      | 95503 |       |       |
| Marion Cate      |      | 95540 |       |       |
| Cindi Knox       |      | 95501 |       |       |
| Kathryn Dunning  |      | 95501 |       |       |
| Rudolph C Kosits |      | 95503 |       |       |
| Sandra Little    |      | 95503 |       |       |
| Cleo Carrino     |      | 95501 |       |       |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT        | SIGN | ZIP   | EMAIL | PHONE |
|-------------------|------|-------|-------|-------|
| WENDY RING        |      | 95524 |       |       |
| Steve Dora        |      | 95521 |       |       |
| Thea Rowan        |      | 95521 |       |       |
| Michael Cionciola |      | 95521 |       |       |
| nina Klehr        |      | 95521 |       |       |
| Shayla Gomez      |      | 95521 |       |       |
| Andrew Schwartz   |      | 95521 |       |       |
| Johanna Rivera    |      | 95521 |       |       |
| Charity Freitas   |      | 95521 |       |       |
| Alyssa Hughes     |      | 95521 |       |       |
| Dreana Coward     |      | 95521 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

Print Name - Signature - Zip - E-mail - Phone

|                    |  |       |  |  |
|--------------------|--|-------|--|--|
| Audrey Garcia      |  | 95521 |  |  |
| Forrest Estes      |  | 95521 |  |  |
| Christopher Garcia |  | 95521 |  |  |
| Luke Aronie        |  | 95521 |  |  |
| Janessa Shaffer    |  | 95521 |  |  |
| Isabel Duplantier  |  | 95521 |  |  |
| Ria Espinoza       |  | 95521 |  |  |
| Mia Sunderland     |  | 95521 |  |  |
| April Steed        |  | 95521 |  |  |
| Jon T. Abbott      |  | 95521 |  |  |
| Maeve Flynn        |  | 95521 |  |  |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT            | SIGN | ZIP    | EMAIL | PHONE |
|-----------------------|------|--------|-------|-------|
| Ramona Barb           |      | 95525  |       |       |
| Athina Lazo           |      | 9/2/19 |       |       |
| Janice Dean           |      | 9/2/19 |       |       |
| Adrian Dobson         |      | 95501  |       |       |
| Sara M Dobson         |      | 95501  |       |       |
| JOHN SCHAEFER         |      | 95521  |       |       |
| Sylvia Shaw           |      | 95521  |       |       |
| Ann Kilby             |      | 95549  |       |       |
| Archie Mossman        |      | 95570  |       |       |
| SUE Y. LEE<br>MOSSMAN |      | 95570  |       |       |
| Mariam Pennekam       |      | 95503  |       |       |



# Petition

**TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY**

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

[illegible]

[illegible]

## Petition

**TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY**

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

[illegible]





## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass hobbles Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT      | SIGN | ZIP   | EMAIL | PHONE |
|-----------------|------|-------|-------|-------|
| Gerry Tolletari |      | 95501 |       |       |
| Annette Hull    |      | 95519 |       |       |
| Carolyn Bell    |      | 95570 |       |       |
| Carol Ryden     |      | 95521 |       |       |
| Maira Casey     |      | 95521 |       |       |
| JANE RIGGAN     |      | 95521 |       |       |
|                 |      |       |       |       |
|                 |      |       |       |       |
|                 |      |       |       |       |
|                 |      |       |       |       |
|                 |      |       |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass hobbles Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.

| NAME PRINT       | SIGN | ZIP   | EMAIL | PHONE |
|------------------|------|-------|-------|-------|
| Mary A Madej     |      | 95571 |       |       |
| SHIRLEY BRUNER   |      | 95519 |       |       |
| CLARE GREENE     |      | 95519 |       |       |
| Raedette Miller  |      | 95521 |       |       |
| Romalda Carlso   |      | 95501 |       |       |
| J. Bacon-Ogden   |      | 95501 |       |       |
| Deborah P. S.    |      | 95519 |       |       |
| Carolyn PRESCOTT |      | 95519 |       |       |
| Kathryn Johnson  |      | 95519 |       |       |
| Jon Reischdorf   |      | 95521 |       |       |
| Jean Munsee      |      | 95519 |       |       |



Name

Sign

Zip code

Email

Andrea  
Patricia Pettit-Blair  
Samantha Strickell  
STEVE HOGAN



95521  
95521  
95521  
95521



# Petition

**TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY**

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

[illegible]

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT       | SIGN | ZIP   | EMAIL | PHONE |
|------------------|------|-------|-------|-------|
| Ash Ramirez      |      | 95521 |       |       |
| MAYA HABIS       |      | 95521 |       |       |
| Dylan Anderson   |      | 95521 |       |       |
| Izzie Rod.       |      | 95521 |       |       |
| Valeria Olivares |      | 95521 |       |       |
| Tania Cubas      |      | 95521 |       |       |
| Carolina Calvert |      | 95521 |       |       |
| Zoraida Caceras  |      | 95521 |       |       |
| Jennifer Martin  |      | 95521 |       |       |
| Jay Garfias      |      | 95521 |       |       |
| Luis Martinez    |      | 95501 |       |       |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT            | SIGN | ZIP   | EMAIL | PHONE |
|-----------------------|------|-------|-------|-------|
| Supreet Bhullar       |      | 95503 |       |       |
| Yasmin Reyes          |      | 95521 |       |       |
| Raquel Perez-Granados |      | 95501 |       |       |
| Jennifer Lemon        |      | 95519 |       |       |
| Sharon Thornton       |      | 95519 |       |       |
| Jose Cabello          |      | 95521 |       |       |
| Jonathan Posa         |      | 95521 |       |       |
| Michelle Navar        |      | 95521 |       |       |
| Lizbeth Martinez      |      | 95521 |       |       |
| ZARAH SUMMERS         |      | 95521 |       |       |
| LEON Garcia           |      | 95521 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT       | SIGN | ZIP   | EMAIL | PHONE |
|------------------|------|-------|-------|-------|
| Brianna Roque    |      | 93292 |       |       |
| Elise Plafie     |      | 95521 |       |       |
| Teralynn Bergene |      | 95521 |       |       |
| Nina Egbert      |      | 95501 |       |       |
| Kathryn Buzanski |      | 95503 |       |       |
| Kayla Escola     |      | 95503 |       |       |
| Laura Noel       |      | 95547 |       |       |
| Gillian Ackman   |      | 95521 |       |       |
| Elizabeth Thorne |      | 95521 |       |       |
| Annie Sampson    |      | 95521 |       |       |
| Hayley Hudson    |      | 95521 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT            | SIGN | ZIP   | EMAIL | PHONE |
|-----------------------|------|-------|-------|-------|
| Melanie Zhao          |      | 95521 |       |       |
| Katy Kwan             |      | 95521 |       |       |
| TAMMY<br>PHRAKONGKHAM |      | 95521 |       |       |
| Erdinel<br>Mangubat   |      | 95521 |       |       |
| Caroline<br>Mora      |      | 95521 |       |       |
| Hannah<br>Chung       |      | 95521 |       |       |
| KAT NGUYEN            |      | 95521 |       |       |
| Caylyn McD            |      | 95501 |       |       |
| Mu Xian Han           |      | 95521 |       |       |
| Ava Mark              |      | 95501 |       |       |
| Kimberly Battazar     |      | 95521 |       |       |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME                | PRINT | SIGN | ZIP   | EMAIL | PHONE |
|---------------------|-------|------|-------|-------|-------|
| STEVE HOCHUL        |       |      | 95521 |       |       |
| Kia Lee             |       |      | 95501 |       |       |
| Francesca Messina   |       |      | 95521 |       |       |
| Katja Cragun-Rehder |       |      | 95521 |       |       |
| Jasmine Guerra      |       |      | 95521 |       |       |
| Lorenzo Hernandez   |       |      | 95521 |       |       |
| James Napolitano    |       |      | 94560 |       |       |
| Manny Flores        |       |      | 95521 |       |       |
| Jose Moreno         |       |      | 95521 |       |       |
| Desiree Garcia      |       |      | 95521 |       |       |
| Elizabeth Sweeney   |       |      | 95521 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT          | SIGN | ZIP   | EMAIL | PHONE |
|---------------------|------|-------|-------|-------|
| Christian Trujillo  |      | 95221 |       |       |
| Deema Hindawi       |      | 95521 |       |       |
| Alexandro Ochoa     |      | 95521 |       |       |
| Anayeli Anza        |      | 95521 |       |       |
| Lesly Vasquez       |      | 95521 |       |       |
| Karina Coronado     |      | 95521 |       |       |
| Casey Albarran      |      | 95521 |       |       |
| Bernard Brown       |      | 95521 |       |       |
| Gwynivere Cristobal |      | 95521 |       |       |
| Jenna Lang          |      | 95519 |       |       |
| Marissa Coyazo      |      | 95521 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT         | SIGN | ZIP   | EMAIL | PHONE |
|--------------------|------|-------|-------|-------|
| Victoria Harris    |      | 95521 |       |       |
| Jill Meadors       |      | 95525 |       |       |
| Mikhayla Kennison  |      | 95521 |       |       |
| Christine Duvall   |      | 95521 |       |       |
| Nico Platt         |      | 95521 |       |       |
| Shelley Magallanes |      | 95521 |       |       |
| Giselle Salmeron   |      | 95521 |       |       |
| Brian Munoz        |      | 95521 |       |       |
| Willie McDougall   |      | 95501 |       |       |
| Sam Schlosser      |      | 95521 |       |       |
| Kiley Perkins      |      | 95519 |       |       |
| Krystal Padilla    |      | 95521 |       |       |
| Natalia Ruiz       |      | 95521 |       |       |



## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME PRINT        | SIGN | ZIP   | EMAIL | PHONE |
|-------------------|------|-------|-------|-------|
| Dio Garcia        |      | 95525 |       |       |
| Merari Herrera    |      | 95525 |       |       |
| Ryan Spear        |      | 95501 |       |       |
| Kathryn Ladines   |      | 95501 |       |       |
| Deanna Lomei      |      | 95521 |       |       |
| Arabella Stenwerf |      | 95521 |       |       |
| Hope Prandiville  |      | 95519 |       |       |
| Marrano Marraquin |      | 92106 |       |       |
| Philip Nguyen     |      | 95521 |       |       |
| Sam Momp          |      | 95521 |       |       |
| Alyssa Ledesma    |      | 95521 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME     | PRINT   | SIGN | ZIP   | EMAIL | PHONE |
|----------|---------|------|-------|-------|-------|
| ROBBIE   | SANCHEZ |      | 95521 |       |       |
| Daniel   | Krake   |      | 95521 |       |       |
| Rick     | Schuler |      | 95521 |       |       |
| Haley    | Graf    |      | 95521 |       |       |
| Madeline | Hobart  |      | 95521 |       |       |
| Brianna  | Velasco |      | 95521 |       |       |
| Alexis   | Ramirez |      | 95521 |       |       |
| Casey    | McLough |      | 95521 |       |       |
| Winch    | Dederus |      | 95521 |       |       |
| Cristal  | Goulart |      | 95520 |       |       |
| Lake     | Kordick |      | 95521 |       |       |

## Petition

### TELL REDWOOD COAST ENERGY AUTHORITY THAT BIOMASS IS NOT CLEAN ENERGY

We the undersigned residents of Humboldt County believe biomass from burning mill waste is not clean. It pollutes our air and emits far more greenhouse gases than replanted trees can absorb in the crucial next decade. Continuing to rely on biomass violates Redwood Coast Energy Authority's commitment to provide 100% clean renewable energy by 2025. **We call on RCEA to create a Comprehensive Energy Plan that will focus our resources on developing clean energy.**

| NAME            | PRINT | SIGN | ZIP   | EMAIL | PHONE |
|-----------------|-------|------|-------|-------|-------|
| Esteban L.      |       |      | 95521 |       |       |
| JEANNE          |       |      | 95570 |       |       |
| CONNOR          |       |      | 95501 |       |       |
| Andy L.         |       |      | 95501 |       |       |
| Carlos M.       |       |      | 95521 |       |       |
| Daniel B.       |       |      | 95573 |       |       |
| Dexter M.       |       |      | 95521 |       |       |
| Sylvia DeRooy   |       |      | 95503 |       |       |
| Jenny Downs     |       |      | 95503 |       |       |
| Casper Kimbro   |       |      | 95521 |       |       |
| Klara Hernandez |       |      | 95501 |       |       |



# Public Comment

**The following public comments  
were submitted for the October 24, 2019,  
RCEA Board of Directors meeting  
on agenda item 5.2 - Long Term  
Renewable Energy Solicitation Update**

Beverly Chang

[REDACTED]  
Rio Dell, CA 95562  
[REDACTED]

RECEIVED

OCT 23 2019

Redwood Coast E.

October 22, 2019

Redwood Coast Energy Association (RCEA)

633 Third Street

Eureka, CA 95501

Dear secretary to the Board of RCEA:

I am unable to attend the very important board meeting scheduled for October 24, 2019 at 1530 hours. It is my hope that you will be able to include this letter in the board's packet for the meeting and read the content to those attending.

There are many reasons that installing up to 60 over 500 ft structures (54 stories high) on Bear River and Monument Ridges an undesirable project in its current form. Anticipated impact to rare and endangered species, impact to historical native American sacred grounds, dayscapes and nightscapes (red/or white lights to be seen 20 miles for aircraft), increased fire hazard with over 26 miles of high voltage overhead transmission lines, timber removal for roads and transmission lines, and forever changing the ambiance of our community with the resulting impact to tourism to name only a few.

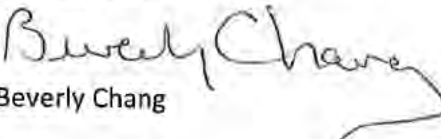
It is my hope that RCEA realizes that green power from the grid can be purchased from existing infrastructure. Until all solar and wind sources are fully utilized I see no reason to litter our community with these structures. Potential power generated from the Terra-Gen project would not necessarily stay in our community and from a previous RCEA meeting that I was able to attend I learned that there would not be a cost savings to RCEA.

I read an article dated June 25, 2019 authored by Peter Maloney, "Calif. Sets record for solar, renewable curtailments". The content of this article led me to believe that California is generating more renewable energy than our current grid system can fully utilize. In other words energy sources are growing faster than the infrastructure necessary to process/store it.

Please consider this view in your decision to support or not support this project with our Planning Commission. I think it more prudent for the project to move forward or not on its own merit.

It should be noted that if the Terra-Gen project moves forward on its own merit, I would fully support RCEA's purchase of power from this source as long as the power contract was equal in cost to other renewable energy sources. Fortunately there is plenty of time for this to play out before a commitment needs to be made.

Respectfully,

  
Beverly Chang

*Monument Mtn.*  
V I N E Y A R D S



RECEIVED

OCT 23 2019

Redwood Coast Energy Authority

Carol Hoopes  
2330 Monument Rd.  
Rio Dell, CA 95562

RCEA Board  
633 3<sup>rd</sup> St.  
Eureka, CA 95501

October 23, 2019

Dear Chairman and Redwood Coast Energy Board:

These comments are to address Item # 5.2 on your October 24<sup>th</sup> agenda regarding "Long-Term Renewable Energy Solicitation Update". This is in reference to your "Discuss and provide guidance/authorization for potential RCEA input to the County Planning Commission on the Terra-Gen/Humboldt Wine Energy project".

As officially elected representatives of our communities in Humboldt County, your potential input letter of support for the Humboldt Wind Project without the release of a Final EIR/approval is a premature action by the Redwood Coast Energy Authority. It is also a waste of staff time. As an official and influential entity of Humboldt, it is imperative to refrain from support until a project is approved. It is inappropriate to make site specific support of projects such as Terra-Gen's Conditional Use Permit application prior to approval.

Terra-Gen has offered this RCEA Board in a public meeting last Fall 2018 a scholarship to be used at the RCEA Board's discretion in exchange for your support of this project. Could this be a conflict of interest?

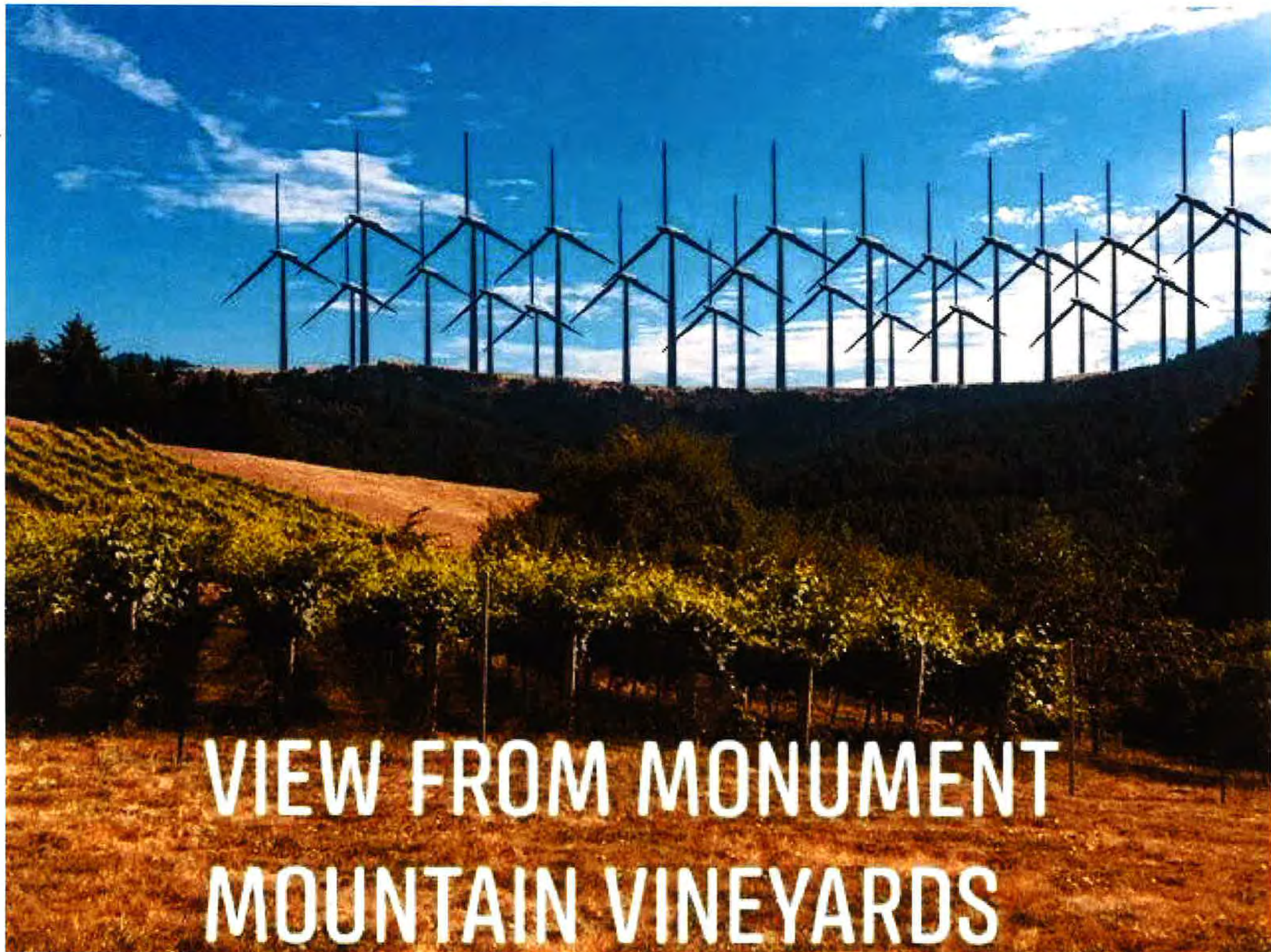
Since the RCEA Board has also gone on record to initiate a Power Purchase Agreement (PPA) with the Humboldt Wind Project, the RCEA Board has already given potential support of an unapproved conditional use project that will have detrimental effects to TPZ zones and Ag areas of Humboldt County. The purpose of the Final EIR is to mitigate adverse effects to the environment.

Please be fair to the CEQA process in place and refrain from submitting a letter for this site specific project until the Final EIR has been released and the project has been approved.

Regards,

*Carol Hoopes*  
Carol Hoopes





**VIEW FROM MONUMENT  
MOUNTAIN VINEYARDS**

**From:** [David Simpson](#)  
**To:** [Lori Taketa](#)  
**Subject:** Windmills  
**Date:** Wednesday, October 23, 2019 4:27:05 PM

---

Dear Ms. Itaketa,

I was just informed that if I get this letter to you it would be read at the 4:30 RCES Board meeting. Jane Lapiner and I have attended nee of the past 10 UNFCCC climate conferences and play to be in attendance in Chile in December for the next.

One element of climate change discussed in each event has been what is generally lumped under the heading of Geo Engineering. I have been forewarned by many astute observers of climate change worldwide that these projects are exceptionally dangerous and misleading. First, they are all huge projects on a sale that requires enormous output of machines and personnel. Second, they are each extremely capital-intensive requiring cash investments on a level of the largest constructions humans have undertaken. Fourth, they re all very high-tech requiring construction and measuring devices largely incomprehensible to most people. Fourth, they require complex intervention systems for when they malfunction which is often. Fifth, they are very difficult to operate successfully for long consecutive periods of time. Sixth,are well-known to do damage to the natural world around their construction. Seventh, they require regular replacement if they are expected to maintain peak capacity Eighth, their unintended consequences are almost impossible to predict but are usually extensive.

These are a couple of other common denominators but they're a good start at identifying projects we should avoid. Tera Gen's project fits most if not all of these criteria.

Thank you,

David Simpson



**From:** [Ellen E Taylor](#)  
**To:** [Lori Taketa](#)  
**Subject:** Email comment letter:  
**Date:** Wednesday, October 23, 2019 1:54:35 PM

---

Dear RCEA Board,

Thank you for the opportunity to comment on the Terra Gen wind generator project.

I live in the Mattole Valley, one ridge over from where the wind project is to materialize.

We residents therefore share the same ecosystem, and we have been trying to assist its recovery for the past 40 years.

I am Chairperson for the Lost Coast League, which unanimously opposes this project. The sacrifice is just too great. It heavily impacts habitat due to the nature and industrial scale of the construction.

Habitat in the region has already dwindled due to human activities, such that threatened and endangered species, even those supposedly protected by the ESA, are on the verge of extinction. Even a tiny incremental cumulative impact at this point abuses the public trust.

In the context of climate breakdown: over 900 acres of forest will be destroyed in the development of this project. This is a naturally forested area, and could grow very large trees. As you may know, the doug firs and redwoods of the northern temperate rain forests can sequester carbon at 2.5 times the rate of the tropical rain forests. Except for the few giant trees which are protected, our forests have never been allowed to grow back to a size where they can achieve their full carbon-sequestering potential. They are harvested at 60 years or so although they can live well over a thousand years.

If our motive in developing alternative energy is to assure our children's and grandchildren's safety, to destroy these live generators of healthy air quality is seriously misguided. They do not have a short lifespan, as do the planned structures.

We are a natural-resource-rich county. If we take pride in that, it will help us not to panic and become just another example of the shock doctrine.

Very Truly Yours,

Ellen Taylor, Chairperson, Lost Coast League  
PO Box 60, Petrolia California 95558  
629 3500



**From:** [REDACTED]  
**Sent:** Wednesday, October 23, 2019 11:52 AM  
**To:** Lori Taketa  
**Subject:** Public Comment Hum Wind

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear RCEA Board:

Please accept my public comment electronically.

I am a retired University professor and author of the book "Frogs, Inside their Remarkable World" from Firefly Press. I wrote a natural history column for twenty years. I retired to Humboldt County particularly to live in an area which is relatively undisturbed by corporate enterprise and full of natural beauty. I have spent a lifetime advocating for nature, with my students, colleagues, in person and in writing.

I have many reasons for not supporting the proposed Bear River Ridge/Monument Ridge TerraGen Humboldt Wind Energy project. I recommend that RCEA also consider not supporting it for the following major reasons.

In the TerraGen DEIR, there were 26 places where they had no way to mitigate for significant impacts. They did not mention the permanent disruption to areas adjacent to Redwood Parks. They did point out their planned lack of compliance with current Habitat Conservation Plans and Timber Harvest Plans, the Headwaters Forest Agreement, the Williamson Act and other documents created by joint efforts of stakeholders and the government over a long period of time. There were an additional 34 plans and documents required by the CEQA process which were omitted from the DEIR.

At no place in the document did they specify the exact equipment to be installed, but stated it could be up to 600 feet tall - the height of the Golden Gate Bridge. This would put the exact center of the rotational energy and air disturbance at the height of the tallest redwoods - 300 feet. There are images of turbines in fog <https://physics.stackexchange.com/questions/13387/what-does-the-quantification-of-causes-and-effect-look-like-for-clouds-in-offsh> which clearly show the turbulence. This wind whipping happens all the time - we can only visually see it with fog. Radar can see it all the time. NOAA requests that turbine farms be situated more than 30 miles away from Doppler facilities (<https://www.weather.gov/mkx/windfarm>). This project is within 30-miles of the Ferndale Doppler facility.

Relatively undisturbed grasslands and timber sequester more carbon than any industrial project ever will. Bugs, birds and bats will all be negatively affected by this project. Redwood tops will be dried out by the turbulence created by the aptly named turbines. Fields Landing will be disrupted for up to six months. The route 101 corridor

will be affected for about a year initially, and again any time anything needs to be replaced. Hundreds of man trips and truck trips will occur on ridges which now may be visited a few times a year. This is serious disturbance, and should not be decided upon lightly.

Having recognized these problems, disruptions and disturbances, I was cheered to read that RCEA is aware of the difference in disturbance between onshore and offshore wind.

I would like to read into this record what Matthew Marshall, the executive director of RCEA, was quoted by the Mad River Union as saying at a Eureka meeting recently "The offshore turbines are very big - unlike on land, you don't have the constraint of moving things around by truck... So the scale of these is much larger, and with fewer turbines there is more efficiency and reduced costs." He added that the tip of the blades would reach about the height of the Golden Gate Bridge being at the 600-foot-tall range.

Since we as a county are actively working with RCEA and our elected officials for offshore wind, and since the executive director of RCEA states unequivocally that offshore turbines are more efficient and produce power at reduced costs, I feel that there is no reason to approve the TerraGen terrestrial project with its associated disruptions since the offshore project will produce the same or more power than the onshore project. There is only so much transmission electron flow availability in Humboldt. One project could preclude the other due to grid saturation. It would be wise to "take the path of least resistance," utter a great and mighty "Ohm," and let the folks who live here get back on with their lives.

Thank you.

Sincerely,

Ellin Beltz

**From:** [REDACTED]  
**To:** [Lori Taketa](#)  
**Subject:** Terra Gen industrial wind energy  
**Date:** Wednesday, October 23, 2019 4:47:33 PM

---

The proposed plan is a waste of time and energy. Literally. The carbon footprint to build and transmit makes this a losing proposition because by the time it delivers power, offshore instillations will vastly overcompensate for renewable power. This without fragmenting the rare biodiversity found on Monument Ridge. Solar powered micro grids are a far better source and far more resilient supply of power at this time.  
Thanks, Howard Russell Eureka.

Sent from my iPad



## Siskiyou Land Conservancy

RCEA Board  
633 3rd St  
Eureka CA 95501

Oct 23, 2019

RE: Agenda 5.2 and 6.1 of your agenda

Dear Ms. Taketa,

I.

Sec 5.2: Based on the arguments below, the fact that a CUP has not been approved, and your conflict of interest based both on your premature PPA with TerraGen as well as a proffered scholarship offered from TerraGen to RCEA, I suggest there be no further premature and potentially illegal advocacy of this project before TerraGen's proposed permit has been finalized.

If anything, RCEA would do justice to our community by objecting to the un-mitigable fragmentation and hydro-meteorological impacts to a biodiversity hotspot, and adding insult to injury to the Wiyot Tribe, which has suffered unspeakable horrors, as powerfully articulated in the Wiyot submission to the TerraGen DEIR: "Should this development and desecration of *Tsakiyuwit* proceed, it would seem to reinforce the colonial domination and genocide associated with these persons and their atrocities, and serve as a constant reminder to Wiyots of how their lands were violently taken for the sake of profits by powerful, privileged, and elite euro Americans."

II.

Sec 6.1 of the RCEA agenda relies on "islanding" Humboldt's electricity production and supply, which does not ensure resilience.

Resilient energy production and supply are critical in these times of grid vulnerability, wildfires, and the ever-present threat of disasters and emergencies that cut us off from centralized electricity supplies, and each other.

However, this sole reliance on central utility electricity supply relegates distributed electricity generation to the status of a poor stepchild dependent upon expensive individual projects that lack the economy of scale and the diversity of innovative technological and financial opportunities available.

If RCEA put out the welcome mat to solar entrepreneurs and financiers to solarize our county, and promoted widespread distributed onsite solar minigrids with V2G capability, we could start having secure resilience and owning the systems that generate our power by the time TerraGen would come on-line in 2023, but without the immediate massive GHG emissions associated with TerraGen's construction. These emissions will nullify any advantage before offshore electricity starts in 2025-2030.

Equity ownership is ignored when these solar systems' costs include only cost per kwh; so is the priceless value of secure resilience.

Despite the added renewables to the grid in the US since the Rio Agreement over 30 years ago, electricity usage has outpaced the benefits of these renewables. Utility electricity is therefore not only increasingly expensive over time by comparison, but it's unlimited supply increases electricity use and our carbon footprint, and does nothing to incentivize electric vehicle acquisition.

Distributed solar does both: reduced PGE electricity usage is inherent in local solar systems roughly equal to that produced, and ownership of an electric vehicle and the fuel it requires accelerates the payback time for the solar system. Since transportation accounts for 60% of our local GHG emissions, electrifying our transportation is urgently necessary.

During the recent grid shutdown, the vice-chair of your CAC posted this to FB:

["Redwood Larry Goldberg Zuleika Del Pardo"](#) - Do you own or rent? If you're a homeowner, I can help you get financing that would bring monthly payments equal to or just slightly more than what you're paying to PG&E now. Message me and we can talk offline."

And Matthew Marshall's brother at Schatz installed a "nano-grid" at his home to utilize his EV battery to supply electricity to his home.

These are the sorts of services that RCEA could provide and promote, instead of blind devotion to utility scale onshore wind electricity production, a policy that divides our communities and concentrates our energy wealth in the hands of very few, leaving the rest of us captive and powerless. A solarization policy would have wide general support because it can benefit everyone in many ways, as we, not TerraGen, do our part.

Finally, it is a most arrogant and alarming position to defile these sacred Wiyot sites, which are not just confined to a small area on Bear River Ridge, as documented throughout the Wiyot's comments to TerraGen's DEIR, especially with respect to the prairie grasslands, described as "native perennial grasslands in California are among the most endangered ecosystems in the United States," and "[T]he proposed development of the coastal Prairie complex on *Bear River and Monument Ridges* would severely impact these premier and fleeting examples of this critically endangered habitat, whose origins most likely lie within the cultural burning practices of Wiyot ancestors."

A critical element of the 1992 Rio agreement was to "not to carry out any activities on the lands of [indigenous peoples](#) that would cause [environmental degradation](#) or that would be culturally inappropriate".

Now is our time to remedy our critical need for resilient energy, and honor and stand with the Wiyot People.

Ken Miller  
SLC



**From:** [Michael Evenson](#)  
**To:** [Lori Taketa](#)  
**Subject:** Terra-Gen is not what we need  
**Date:** Wednesday, October 23, 2019 1:43:04 PM

---

Dear RCEA,

Thank you for accepting email comments. I cannot be with you today.

Terra-Gen proposal will NOT (by their own EIR) result in reduced GHGs. Do not embrace this project.

If we learned one thing from the Blackout, it's this: Humboldt County needs to use what power it can generate here and not depend on the grid.

But we knew that one. With a history of a rugged embrace of living close to the ground, within our means and independent of the over-developed south, Humboldt pioneered the "off the grid" life decades ago. (Some may say centuries ago).

Let's not fear the next step, and, following in the path laid down by the Blue Lake Rancheria, truly be responsible for our electrical needs. Roof top solar must be organized into decentralized local power grids. PG&E's one-grid-fits-all model is unreliable, vulnerable and requires hugely expensive upgrades and maintenance. Now is the time to transition out of that failing grid into something that reflects our strengths and values.

It is fitting that both Blue Lake and Wiyot people are leading the way. The Mega Wind Farm around Scotia would be a step backward: tearing up the countryside, use herbicides over the clearcut 1000 acres for transmission lines, exporting power and dollars and, with increasing frequency, leaving us powerless.

Michael Evenson  
[REDACTED]  
Petrolia, CA 95558

Michael Evenson

Lost Coast Ranch®  
Petrolia, California  
[REDACTED]

**From:** [Sean DeVries](#)  
**To:** [Lori Taketa](#)  
**Subject:** RE: Terragen Wind  
**Date:** Wednesday, October 23, 2019 6:44:38 PM

---

Please add the following to public comment: [Thank you]

If we build the Terragen Wind project, there will be: decreased property values; county tax increases to pay for upgrades to roads; increases to PG&E rates for substation upgrades to handle the increased loads; and all with no incentives for the community that is being most affected.

The electricity will be going for sale on the grid -- out of the region -- which means that we will not see any benefit to ruining our environment.

The jobs will be temporary construction, most likely governed by outside experts. The 15 jobs boasted to be ongoing are all going to be specialists brought in from other areas, unless they are including janitorial.

The county is being paid \$2 million dollars per year for this intrusion, for the 30 year life of the project.

They are selling out our health, environment, and peace of mind on the cheap.

Thank you,

Sean DeVries

# Public Comment

**The following public comments  
were submitted for the October 24, 2019,  
RCEA Board of Directors meeting  
on agenda item 6.1 -  
PG&E Public Safety Power Shutoff Event**



**Public comment submitted on agenda item 6.1  
PG&E Public Safety Power Shutoff**

*Dear RCEA Board*

*If you were discomforted without PG&E electricity for 24 hours, you should be delighted to know that you have proven, lower cost, choices to avoid such discomfort in the future.*

*The Blue Lake Rancheria's solar rooftop system clearly demonstrated that achieving energy independence is possible with preparation, allocation of resources, and political commitment. Solar is prudent, available, reliable, cost effective and a good investment.*



*Rather than prioritizing implementation of widespread solar, Redwood Coast Energy Agency has focused on expensive utility scale onshore wind with dangerous transmission lines through fire prone forests. Only local distributed solar can eliminate the need for incendiary transmission lines thru forests.*

*Our policy makers need to proactively deploy a variety of appropriate distributed energy strategies including installing translucent solar panel arrays on County buildings, infrastructure, equipment yards & parking lots to realize the resilience so critical to our County during emergencies.*



*Instead our policy makers and Supervisors are surrendering obscene profits at our expense to TerraGen rather than developing energy independence for us constituents This is not doing our part to alleviate the climate emergency, rather it is conceding to a colonizing global powerhouse whose mission is to increase, not reduce, energy use.*

*Electricity from biomass and TerraGen costs \$65-50 per Mwatt or over 5 times as much as my rooftop solar, and we would own nothing after decades of payments; yet RCEA has deployed far less than 8 Mwatts of solar in RCEA's 30 Mwatt goal. My solar rooftop generates at a 25 year project cost of less than \$9 per MWatt. Because solar is so cost effective and low impact and because Humboldt County must convert to electric vehicles for transportation to reduce fossil fuel emissions, RCEA's priority goal should be 300 MWatts of solar by 2025--- rather than 30MWatts by who knows when. RCEA, by contracting for unaffordable high cost biomass and wind power, is encouraging grid abandonment.*

*To the extent that RCEA focuses its resources on Humboldt Wind and biomas RCEA ignores its opportunity to support agriculture by placing bifacial solar panels over fields in Rohnerville, Loleta, Kneeland, and Arcata flats while conducting agriculture beneath.*



*As we commemorate Indigenous Peoples, and look back in horror at the genocide and ecocide committed by our local founding fathers, we can finally honor the wisdom of the Wiyot Tribe, which opposes TerraGen's industrial wind factory---and **solarize not cannibalize our precious resources.***

Jesse Noell farms in Elk River



## **Graduating From Blackout School**

It's hard to read the PGE blackout story without appreciating this opportunity to learn to solarize our County. The day of the "blackout" was plenty sunny to keep the fridge going with a few solar panels, overnighting to the next day.

Those few with solar panels and batteries were fine, often powering one or two critical circuits. We realized that mini-solar grids could serve multiple dwellings and neighborhoods, sharing energy. At least one techie with an electric vehicle lit his home with his car battery.

Social media flooded us with advice, with one solar expert offering to finance rooftop solar for the cost of a PGE bill.

We learned the crucial distinction between centralized and distributed power generation, the former coming from the grid, the latter originating close to where it is used. And we learned that over-reliance on the grid and its incendiary transmission lines, even if our local production were "islanded," leaves us vulnerable, especially in real emergencies that cut us off from services and each other. TerraGen's wind factory would not have helped.

Mad River Hospital's diesel generators consumed 10 gal/hr pumping 220 lbs CO<sub>2</sub> per hr into our climate emergency. Multiply that by the 100 generators sold out in one day at one store, and 100x that around the county, add in all the greenhouse gasses (GHGs) from drilling, refining and barging those fossil fuels, and you have a recipe for climate suicide.

With distributed solar, we can reduce our energy consumption and GHG emissions, have secure resilience during emergencies, fuel electric vehicles affordably, and own our mini-solar systems over time. It's the best way *for us* to do our part for the climate emergency. Now that we are smarter, do we have the political will?

Ken Miller

[REDACTED]

McK 95519

[REDACTED]

[REDACTED]