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UNITED STATES DEPARTMENT OF ENERGY  
PUBLIC SCOPING MEETING

RE: HAWAI'I CLEAN ENERGY PROGRAMMATIC  
ENVIRONMENTAL IMPACT STATEMENT

TRANSCRIPT OF PUBLIC COMMENTS

MONDAY, SEPTEMBER 17, 2012

5:30 P.M. - 9:00 P.M.

POMAIIKA'I ELEMENTARY SCHOOL  
4650 SOUTH KAMEHAMEHA AVENUE  
KAHULUI, MAUI, HAWAII 96732

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FACILITATOR: DAWN N. CHANG

PANEL: JANE SUMMERSON  
United States Department of Energy

JAMES J. SPAETH  
United States Department of Energy

MARK GLICK  
Energy Administrator  
Hawai'i State energy Office

MARK ECKENRODE  
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REPORTED BY: JEANNETTE WALTI IWADO, RPR, CSR NO. 135  
Court Reporter, State of Hawai'i

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1     sorry, I am massacring that name.

2                     A VOICE:   Melvin.

3                     MS. CHANG:  Pardon?  Oh, my gosh, Melvin, yes.

4     Now that I look at it, it looks like a Melvin.  Okay, so  
5     John.

6                     MR. JOHN WOODHOUSE:  My name is John Woodhouse,  
7     J-O-H-N, W-O-O-D-H-O-U-S-E.  Specifically I'm here tonight  
8     to address the issue of wireless Smart Meters, which are  
9     being pushed on the American public as part of the Smart  
10    Grid Initiative.  I am going to open with a quote from Dr.  
11    Robert Becker, who is Professor of Medicine at New York  
12    University's Upstate Medical Center, who was also nominated  
13    for a Nobel Prize.  He states, "I have no doubt in my mind  
14    that at the present time the greatest polluting element in  
15    the earth's environment is the proliferation of  
16    electromagnetic fields.  I consider that to be far greater  
17    on a global scale than warming."

18                    A number of eminent people have drawn attention to  
19    the possible dangers of Smart Meters, which are used to  
20    monitor electric usage.  Blake Levitt, a science journalist  
21    with the New York Times, writes, "Nobody knows the long-term  
22    health impact of Smart Meter peak pulses."  He explains,  
23    "Wireless Smart Meters transmit radiation 360 degrees  
24    approximately 23,000 times per day.  Radiation transmissions  
25    from Smart Meters have the strength to travel well over a

1 mile."

2           One estimate by Southern California Edison puts  
3 Smart Meter peak pulses at 229,000 microwatts per square  
4 centimeter at eight inches from the transmitter. That means  
5 that if you sleep next to a wall with a smart appliance on  
6 the other side, strong signals could be spiking several  
7 times a minute all night long right into your brain.  
8 Compare this to cell phones that emit approximately only 250  
9 to 300 microwatts per square centimeter when placed directly  
10 against the head.

11           Arguments are made with respect to RF exposure  
12 from WiFi, cell towers, and Smart Meters that, due to  
13 distance, exposure to these wavelengths are negligible.  
14 However, many invitro and Veevo and epidemiological studies  
15 demonstrate that significant harmful biological effects  
16 occur from non-thermal RF exposure. Genetic damage,  
17 reproductive defects, cancer, neurological degeneration,  
18 nervous system dysfunction, immune system dysfunction,  
19 cognitive effects, kidney damage, and developmental effects  
20 have been reported in peer-reviewed scientific literature.

21           It's important to note the FCC's safety limits  
22 have not been updated since 1992, and the standard only  
23 addresses acute exposure. It does not address what happens  
24 after long-term chronic exposure to this type of radiation.

25           Another point the industry touts the cost saving

1 benefit of the new meters. In fact, the only study so far  
2 of an actual Smart Meter system's energy conservation  
3 outcomes done on 10,000 homes in Toronto showed 80 percent  
4 of the households were paying higher rates than before Smart  
5 Meters were installed. In fact, there have been numerous  
6 reports reported across the nation complaining about  
7 skyrocketing costs after Smart Meter installation. So far  
8 overbilling due to inaccurate Smart Meters has led to two  
9 class action lawsuits in Bakersfield, California, and Texas.

10           And there's another problem of hacking. The FBI  
11 has warned Smart Meter hacking may cost utilities \$400  
12 million a year, noting only a moderate level of computer  
13 knowledge is needed. By the end of 2015, Computer World  
14 reported, the potential security risks to the nation's smart  
15 grid will reach 440 million new hackable points. Thank you.  
16 (Applause)

17           FACILITATOR CHANG: Richard Mealey, and then Isaac  
18 Hall.

19           MR. DICK MEALEY: My name is Dick Mealey. I live  
20 in Kihei, and I spent 36 years working with pulse radar at  
21 the ballistic warning system in interior Alaska. The same  
22 kind of pulse systems as these Smart Meters. I live in a  
23 typical condominium building having in total 13 floors, each  
24 with 20 units per floor. The 20 electric meters on each  
25 floor are directly adjacent to the elevators at which



1 visitors and residents stand awaiting transportation. The  
2 aggregate power radiated from 20 of the subject meters will  
3 be highly inimical to the health of these people.  
4 Additionally, one of the bedrooms nearest these is 74 inches  
5 from this bank of meters. This, of course, is totally  
6 unacceptable.

7 I have witnessed first-hand the horrifying effects  
8 of radio frequency radiation on three techs at the radar  
9 site. While the power was extreme, their exposure time was  
10 only roughly a minute, and to this day they cannot walk or  
11 talk.

12 Due to the dangerous cumulatives and the effects  
13 upon human tissue of the meters proposed, their installation  
14 does not in my opinion warrant even the most cursory  
15 consideration. (Applause)

16 FACILITATOR CHANG: The next is Melvin, and then  
17 Isaac, and then after Isaac is Dick Mayer.

18 MR. MELVIN PATEO: My name is Melvin Pateo. I'm a  
19 Lana'i resident, born and raised there. My parents, I'm a  
20 third generation on Lana'i. I came from Lana'i to let the  
21 Maui people know how we feel about this project. I'm with  
22 the Friends of Lana'i, and the Hawaiian group Kupa'a no  
23 Lana'i. We are against this project because we are not  
24 going to benefit nothing. They're going to desecrate our  
25 island.

1           And, you know, somebody is going to make money out  
2 of this project. We, the taxpayer, they say we're going to  
3 pay a low tax rate. I don't think so. Somebody is going to  
4 have to pay for this cable, and that's going to be you, the  
5 taxpayer, or the Honolulu taxpayer. They said they're going  
6 to give us the same pay rate as Honolulu. I don't think so  
7 we're going to pay any lower.

8           Also, I'm against the project because it's not  
9 going to create any jobs, not for Lana'i. There's few  
10 people there, so that's why I don't see the union coming  
11 there and putting all these windmills. What for? Most of  
12 the workers work in the hotel. That's the main job. You  
13 are going to desecrate the land down there. People go down  
14 there to see the pristine beach, the archeological sites.  
15 So it's just like killing the goose that laid the golden  
16 egg. So to me, it doesn't make sense.

17           Also, I'm against that because I live and I hunt  
18 there a lot. When I go hunt out there, I was born and  
19 raised a hunter. Hunting is my life. When I go hunting I  
20 stay out there, I look at this open land, the panoramic view  
21 of the ocean, the islands. Now they tell me they want to  
22 build 179 windmills there. We have a picture of what the  
23 thing going to look like. And I'm really against that.

24           And part of the Hawaiian group too, Kupa'a no  
25 Lana'i, we are going to lose a lot of archeological sites.

1 Burial sites will be disturbed. We're going to have  
2 runoffs. The roads they're going to build is big. And  
3 there's no water for to hold the soil. It's a kind of a  
4 windy area, and it's kind of eroded right now. When it  
5 rains all that pristine beach area, marine life, endangered  
6 species, animals, all going to get, you know, all these bad  
7 things going to happen to them.

8 I'm not a public speaker, but I've been speaking  
9 for the last year because of this project. Usually I don't  
10 speak. This is the first time I'm speaking in public. But  
11 that's my opinion on this project. So I'm just asking you  
12 all, the people of Maui, please support Lana'i to help us  
13 abolish this project.

14 We're not against green energy. We can decide.  
15 Let the communities of each island decide how they're going  
16 to go about doing their own energy. Don't tell the  
17 developer, or HECO, or whoever, the governor, or somebody we  
18 are going to build this to support Oahu. There's no way  
19 we're going to desecrate our land just to support Oahu. Let  
20 each island do their own, you know, self-sufficient energy  
21 kind of projects. Let the community, the people decide how  
22 we're going to do it, not the government, or the developer  
23 who wants to make money out of this project.

24 So as part of the Kupa'a no Lana'i we're concerned  
25 about the archeological sites, the marine life, the plants,

1 native plants, and the native birds and animals. So thank  
2 you. (Applause)

3 FACILITATOR CHANG: Next is Isaac Hall, Dick  
4 Mayer, and Kelly King.

5 MR. ISAAC HALL: Good evening. My name is Isaac  
6 Hall, H-A-L-L. I represent Friends of Lana'i. This is a  
7 scoping session to establish legally acceptable contours for  
8 the programmatic EIS for the Hawai'i Interisland Renewable  
9 Energy Program. This important scoping function in the EIS  
10 process cannot take place, however, based upon this  
11 particular amended prep notice. The initial prep notice for  
12 the big wind project was fatally flawed because it was too  
13 narrow and constricted. It rejected almost all reasonable  
14 alternatives before a Draft EIS was even prepared.

15 This amended prep notice is also fatally flawed,  
16 but this time in the opposite direction. It fails to  
17 describe any program or project or action that could be the  
18 subject of an EIS. It simply lists every alternative under  
19 the sun that could help the state meet its renewable  
20 portfolio standards. It's too vague to provide a basis for  
21 proper scoping.

22 It's difficult to discern how and why the 2010  
23 prep notice has been amended. It states it was amended in  
24 response to public scoping comments. I can understand that.  
25 But it also says it was amended based on regulatory

1 developments and policy developments, but it never says what  
2 those particular developments were. The public has a right  
3 to know what particular regulatory developments and policy  
4 developments they're talking about.

5           Then what's been amended? The definition of the  
6 project or program or action under study has significantly  
7 changed. As I said, it's no longer the big wind project,  
8 it's meeting a goal. And what you have heard is we're being  
9 asked to do something that's absurd. We are being asked to  
10 speculate that any one of these renewable energy forms,  
11 forms of renewable energy might take place on any part of  
12 any of our islands, and we're being asked to tell them what  
13 the environmental impact of that might be. That's  
14 impossible.

15           There's a huge caveat here, however, and that is  
16 on the website for HIREP there's a road map that they  
17 haven't told us about, which they have got a road map for  
18 what they want to do. So what we have is one set of  
19 stakeholders here who know what the road map is, and the  
20 rest of us, the general public, who have no idea what the  
21 road map is.

22           What was a joint federal/state programmatic EIS,  
23 which the state would have been bound to follow, is no  
24 longer that. It's only, as they said, a federal DOE  
25 programmatic EIS which, as Miss Summerson said, the only

1 entity that has to follow that is the DOE. That's not going  
2 to do us any good. The goal of the EIS is significantly  
3 changed. All it is is to provide guidance for DOE in making  
4 funding decisions. That's it. It doesn't do anybody any  
5 more good.

6           The old EIS had a tiering provision. That is, it  
7 was a joint federal/state EIS, and it studied the cumulative  
8 impacts on the state and the federal government, citing the  
9 cumulative impacts of all the projects, and then all of them  
10 were tiered off. Now what they're saying is the only ones  
11 to get tiered off are the ones that apply for federal  
12 funding from DOE. That means there's no assurance there  
13 will be any tiering of those projects that don't apply for  
14 funding from DOE.

15           This amended prep notice does not provide us with  
16 any assurances to which we're entitled. We'll receive the  
17 comprehensive Federal and State Environment Review that our  
18 laws require for projects or programs or action of this  
19 magnitude. Most blatantly, there's been no commitment to  
20 integrate NEPA and HEPA environmental procedures, and to  
21 assure that such procedures run concurrently. There's been  
22 no adequate disclosure in the amended prep notice of the  
23 programs and projects that are in fact under consideration  
24 by federal and state agencies.

25           I found it strange today that these people up here

1 were talking about all the projects and studies have been  
2 funded by DOE and the state, studying different cable  
3 alternatives, studying cost benefit analysis studies.  
4 Actually, I disagree with Miss Summerson. Cost benefits and  
5 economics does have to be the subject of an EIS, and these  
6 all have to be brought into the EIS.

7           There's no provision for a state EIS studying the  
8 cumulative impacts of the program, or the action, or all of  
9 the projects as a whole. There's no assurance that all  
10 site-specific projects, not just those that might apply to  
11 the DOE for funding, will be tiered, and will be the subject  
12 of federal and state EIS's after the lawful completion of  
13 the programmatic and cumulative impact reviews.

14           Again, the road map laid out in this amended prep  
15 notice is so deficient that we're entitled to a further  
16 amended prep notice that addresses these deficiencies.  
17 Otherwise, the important role the scoping is intended to  
18 play in NEPA and HEPA will have been subverted once again.  
19 Thank you for the opportunity to comment. (Applause)

20           FACILITATOR CHANG: Dick Mayer, Kelly King and  
21 Janice Hill.

22           MR. DICK MAYER: My name is Dick Mayer, M-A-Y-E-R.  
23 I do want to thank you all for coming back. The previous  
24 hearings a year and half ago or so were faulty, and I'm glad  
25 you're coming back. I do agree with some of the statements

1 Mr. Hall just made. I think there's a real concern. The  
2 question I asked was, who were the decision-makers in the  
3 state that would have any obligation to follow any of the  
4 recommendations or statements made. We have the PUC, the  
5 legislature, the various county general plans, et cetera, in  
6 compliance with those. I hope those are all taken into  
7 consideration, and you can word your document, if you come  
8 up with a final document, that will address the type of  
9 decisions each of those make.

10 An important part of this process should be also  
11 community benefits. Not just the impacts of the  
12 technologies, but rather what benefits isolated communities  
13 or sensitive environments will be given, everything from  
14 employment, to pay rates, types of services, protection of  
15 the environment, to restoration of habitat, et cetera.  
16 Those should be important parts of the mitigation process,  
17 and spelled out very clearly in a process by which those can  
18 be decided.

19 A concern I have, and have had for a long time, is  
20 the concept of control of the grid itself to distribute the  
21 electricity. Right now we do not have any wheeling  
22 provisions in our state, and we need to have that so that  
23 entrepreneurs may have an incentive to operate power plants  
24 or distributed energy, and be able to utilize the grid, and  
25 to be able to do that without Hawaiian Electric stepping in



1 their way, which has happened in the past.

2           The rate structure is something else that needs to  
3 be discussed. It's not just a question of what the  
4 technologies are, but what incentives can be used in the  
5 rate structure. And I would hope that you will address that  
6 so that, for example, off peak midnight people will be able  
7 to charge batteries, do things in their homes, companies can  
8 use their refrigeration systems to store energy at night at  
9 off peak rates.

10           I would hope you would also do, when you are  
11 talking about not just state self-sufficiency and clean  
12 energy, but if you particularly look at Oahu's need to  
13 develop its own self-sufficiency as an island, so they don't  
14 draw on the neighbor islands.

15           With regard to Smart Meters, I would urge you to  
16 look at not just the systems, the things that people are  
17 concerned about, pulses going over the air, but the  
18 utilization of the wires themselves, cellphone wires, cable  
19 wires, to go to the largest motors on the island. Let's say  
20 we have 50 or 100 motors that the utility would be able to  
21 turn off and on again, a freezer in a hotel, the air  
22 conditioning system in a shopping center, things of that  
23 sort.

24           I hope you will also address, as Mr. Hall just  
25 mentioned, you are required, according to NEPA, to do a cost

1 benefit analysis. So I think there's an important role that  
2 needs to be played by who pays for various things that are  
3 going to be done, the taxpayers, the consumers, the  
4 utilities rate shareholders in the form of lower profits. I  
5 hope you will also look at lifetime costs of the equipment.  
6 For example, a solar panel -- and these aren't the right  
7 numbers -- let's say a solar panel lasts 10 years, a  
8 windmill lasts 20 years, that you hopefully will look at the  
9 long-run cost of these things. And that also goes along  
10 with the commissioning costs. If certain existing  
11 technologies are taken off the grid, who will pay for those  
12 legacy costs of large diesel plants?

13           One concern I have is that too often we talk about  
14 energy being put into the grid, as if it's all the same. We  
15 all know that wind power and solar are not permanent, but  
16 there are also some uses for electricity that are not  
17 permanent, such as water pumps and air conditioning systems.  
18 And I would hope that you will be able to match, for  
19 example, solar systems with air conditioning, wind systems  
20 with water pumping, and sewage pumping, which don't have to  
21 be done 24/7. They can go off for awhile when those sources  
22 are not available. I hope you will also develop benchmarks,  
23 what we exactly have today in 2012, so that we know that  
24 we're moving towards the standard. Not just look at the  
25 goals long-term, but what are our standards today.

1           And finally, in 1973 here on Maui an excellent  
2 full-volume study was done on energy flows on this island.  
3 So we really do know where the energy was coming from and  
4 how it was being used. It was a very comprehensive study.  
5 I would like to see that done by the state as background, to  
6 help us make better decisions. Thank you. (Applause)

7           FACILITATOR CHANG: Kelly King, Janice Hill, and  
8 Ron Saranz.

9           MS. KELLEY KING: Aloha. I also want to thank the  
10 Department of Energy for coming back with the process, and  
11 opening it up again so we can get a more realistic view of  
12 the types of energy that are available. Originally when  
13 this whole process started a couple of years ago, I was very  
14 disappointed, like a lot of people here, that it focused on  
15 nothing but big wind.

16           I'm actually involved in an organization called  
17 the Hawai'i Energy Policy Forum, and they kept talking about  
18 this and the potential for it, and somehow it went from the  
19 potential to it looks like this is what we're going to do.  
20 So I think this is a very good process to start looking at  
21 different forms of energy.

22           My background is in biofuels. My company is  
23 called Pacific Biodiesel, and we started in the islands with  
24 the used cooking oil model, and it just pretty much helped  
25 the landfill extend another six years, and now we're looking

1 at agriculture. So I wanted to discuss the great potential  
2 in the state for biofuels, but also to caution and hope that  
3 the group looks at sustainable biofuels and sustainability  
4 standards, because all biofuels are not created equally.

5 We have got a demonstration project that Pacific  
6 Biodiesel is doing on Oahu, which I will invite you to come  
7 and check out. It's funded by the U.S. government. We've  
8 been working for over a year now on these different prop  
9 models, not using any petroleum fertilizers, not using any  
10 pesticides, and we have been able to grow crops on land that  
11 was basically dead up in the Pioneer Mill up on the north  
12 shore of Oahu.

13 And even they came by, and they gave us a plot of  
14 a couple of acres that they didn't think we'd be able to  
15 grow anything on. But doing it organically with cover  
16 cropping, and paying attention to the laws of nature, we  
17 were able to do that. So I just wanted to caution that  
18 there are different ways of doing different types of energy,  
19 and there are sustainability standards out there.

20 My other hat is I right now chair a non-profit  
21 that I started with some other certification experts across  
22 the country, and some biodiesel advocates, and some  
23 scientists that were working on sustainability standards for  
24 biodiesel for the United States. It's a national  
25 organization with a board that is comprised of experts

1 across the country. So these standards do exist, and I  
2 think they exist in a lot of different industries, not just  
3 the biofuels.

4 My second point is that I think we need to really  
5 include the cultural sensitivity. I have been in hearings,  
6 well, I go to hearings probably once a month on different  
7 energy issues. But I just wanted to share with your group  
8 the experience I had at one of the clean energy hearings or  
9 meetings -- they called it a summit -- on Oahu where a  
10 representative from Castle & Cooke came and talked about the  
11 Lana'i wind project. And they were asked why is there so  
12 much resistance, and why is there so much protesting of it.  
13 The gentleman who was presenting held up a piece of paper  
14 and said, "I don't know why. Look at all the things that  
15 we're offering to Lana'i. We have all the benefits."

16 And I thought to myself there's no sensitivity to  
17 whether those are even in the values of the people who live  
18 on Lana'i. It was sort of a sarcastic and snide reaction,  
19 "They don't know what's good for them. We're offering all  
20 these things, and they just don't get it." And what really  
21 was happening was that there were people coming into these  
22 communities that don't get what the local values are. So  
23 this attitude of "We know what's best" has been permeating.  
24 I think that's a huge issue with a lot of these projects.

25 We're working in several communities on projects

1 for biofuels. In fact, this week we're meeting on Moloka'i  
2 to talk to the folks on Moloka'i. We are not going to do  
3 something on Moloka'i that Moloka'i doesn't want, and we've  
4 never done that. I think that's one of the things that's  
5 really missing in our energy development here, especially  
6 with the big wind and cable. Thank you. (Applause)

7 FACILITATOR CHANG: And I just want to remind  
8 everybody that if you are not able to complete your  
9 statement, please submit it as a comment, as a written  
10 comment. I've got Janice Hill, Ron Seranz, and Michael  
11 Hill.

12 MS. JANICE HILL: Aloha. My name is Janice Hill.  
13 After teaching for the State of Hawaii for 28 years I  
14 retired, but I still work as a substitute teacher and a  
15 state licensed massage therapist. I lived and taught on  
16 Lana'i in the late seventies and early eighties, and was the  
17 founding director of E Malama I Na Keiki O Lana'i preschool.  
18 My husband Mike and I live in a modest home in sunny Kihei.  
19 Our 20 photovoltaic panels and solar water heater help keep  
20 our electric bill at its minimum.

21 I love Lana'i island for its pristine environment,  
22 rare cultural sites, unique history, and people who  
23 appreciate a rural lifestyle. It was difficult in pineapple  
24 plantation days envisioning its transformation into a world  
25 class resort. Now I cringe to imagine the impact and

1 devastation of a giant wind farm and undersea cable to  
2 transmit energy from Lana'i to Oahu.

3           Each island has sufficient renewable resources to  
4 supply its own people with energy. The goal in an island  
5 state like Hawai'i needs to be island independence, not more  
6 dependence on fossil fuels, mainland goods, and now wind.  
7 It feels like you would be robbing Peter to pay Paul to use  
8 Lana'i as a generator for Oahu's electrical needs.

9           The mantra of this decade is "Jobs and Clean  
10 Energy." Ideally, there would be both for the people of  
11 Lana'i. Yet, I doubt if that would really happen if an  
12 industrial wind farm is built there. Federal subsidies  
13 would go to the big businesses to build this fiasco, when in  
14 reality it would be more corporate welfare subsidized by the  
15 taxpayer and electricity consumers.

16           An undersea cable proposal seems ludicrous. It's  
17 unnecessary, costly, and threatens both the land and ocean  
18 ecosystems. The cost of this wind project could easily  
19 provide Oahu's homes with photovoltaic panels. It seems  
20 Hawaiian Electric Company is not equipped for this kind of  
21 grid use. Wouldn't bringing solar electricity up to date be  
22 more beneficial to the environment than an undersea cable  
23 from the Lana'i windmills to Oahu? Thank you. (Applause)

24           FACILITATOR CHANG: Next I have Ron Seranz,  
25 Michael Hill, Doug McLeod. Is Ron here? Is Michael Hill

1 here? Michael, Doug, and then Kay Okamoto.

2 MR. MICHAEL HILL: Thank you. My name is Michael  
3 Hill, H-I-L-L. I live in Kihei, and I'm a frequent visitor  
4 to Lana'i. I have been going there for almost 20 years, and  
5 I keep going back because I do believe it is such a special  
6 place. I'm also a firm believer in renewable green energy.  
7 The photovoltaic panels that we have on our house supply all  
8 the electricity that we use at our house. But I also think  
9 that the idea of generating electricity on Lana'i and  
10 Moloka'i, and then shipping it to Oahu with an undersea  
11 cable, makes just about as much sense as if I put my  
12 photovoltaic panels on the neighbor's house down at the end  
13 of the street, and ran an extension cord down to my house.  
14 (Laughter)

15 So I believe that the only reason these projects  
16 are even being considered is because there are some very  
17 wealthy individuals that have figured out that if they can  
18 get the government subsidies to build the project in the  
19 first place, and they can get the electric consumers to pay  
20 for the cable which has already been proposed, then they can  
21 just sit back and collect the money.

22 So I commend the panel for encouraging all the  
23 different types of renewable green energy, and I support  
24 that effort. However, I think that the energy should be  
25 generated as close as possible to where it's going to be



1 used. So I would hope that you would not support the big  
2 wind farms on Lana'i and Moloka'i. Thank you. (Applause)

3 FACILITATOR CHANG: Doug McLeod, Kay Okamoto, and  
4 Alana Kaopuiki.

5 MR. DOUG McLEOD: Good evening and aloha. My name  
6 is Doug McLeod. I'm the Energy Commissioner for the County  
7 of Maui. I'm here tonight on behalf of Mayor Arakawa. As  
8 many of probably know, Mayor Arakawa opposed both of the big  
9 wind projects proposed for Lana'i and Moloka'i. So in a  
10 sense, we view this as a move in the right general  
11 direction, away from a really narrow solution that tried to  
12 force a very unpopular set of wind farms on the people of  
13 Lana'i and Moloka'i.

14 At the same time, we have substantial concerns  
15 about this particular document and the approach. The  
16 biggest concerns we have are, number one, the failure to  
17 consider community acceptance and community benefit in the  
18 DOE's preliminary identification of issues. Number two,  
19 relying on undefined terms like "clean energy," which can  
20 result in confusion and perhaps unconstitutional vagueness.  
21 Number three, DOE's failure to disclose the pre-agreed  
22 positions of key cooperating agencies and the utility.

23 DOE says that they are doing this PEIS to help  
24 guide future funding decisions. And they also say that  
25 they're merely amending the existing EIS, rather than

1 beginning again. The problem with this approach is that it  
2 takes credit for the time spent in the last round of EIS  
3 hearings, without actually learning anything from those  
4 sessions.

5           And what are we talking about? The people of  
6 Moloka'i, for example, have spoken as clearly as they  
7 possibly can, every time they've been given an opportunity.  
8 And so we find ourselves asking, you know, at what point in  
9 the EIS process will we just look at the level of opposition  
10 in particular communities.

11           You know, if 90 percent of the residents of  
12 Moloka'i oppose big wind, is it appropriate to use federal  
13 money to support a project there? What about 95 percent?  
14 Surely if 99 percent of the residents oppose the plan, it  
15 should not be funded by the federal taxpayer. Does this DOE  
16 PEIS just assume that all of the options are acceptable to  
17 the community? And if not, where in the process are  
18 community benefits and costs considered?

19           The DOE says they will analyze potential impacts  
20 on an island-by-island basis "as appropriate." You know, on  
21 behalf of the Mayor, we would ask when would it not be  
22 appropriate? Shouldn't you always be looking at this on an  
23 island-by-island basis? We're just concerned that that sort  
24 of language looks like a way out of an obligation.

25           The DOE proposes to divide the HCEA into five

1 clean energy categories. The concern we have is quite  
2 simple. We've heard a number of speakers talk tonight about  
3 clean energy and renewable energy, but there's no definition  
4 of clean energy.

5           Embarrassing, but true fact, I spent the first  
6 year in my job always assuming that there was a written  
7 definition somewhere. I always figured I'd just never seen  
8 that regulation, it was buried somewhere in a document. But  
9 the truth is that we have a State Clean Energy Initiative  
10 that does not define clean energy. The Mayor supports  
11 renewable energy, and it really is an interesting  
12 distinction between clean energy and renewable. We would  
13 just ask that if the DOE is going to borrow this state  
14 program, you will need to supply definitions for some of the  
15 terms that are simply undefined.

16           The PEIS will analyze the potential environmental  
17 impacts of only those clean energy activities and  
18 technologies that are, quote, eligible under Hawaii's  
19 renewable portfolio standard or energy efficiency portfolio  
20 standard, 77 Federal Register at 47829. DOE specifically  
21 lists liquified natural gas and fossil fuel as a technology  
22 it will evaluate. We had this discussion earlier. We're  
23 still trying to understand. There is a 70 percent clean  
24 energy goal, so I guess by definition, 30 percent of the  
25 power is coming from non-clean energy sources. Is DOE

1 saying that LNG is eligible under the 30 percent side of the  
2 equation, and not the 70 percent?

3           The closest thing to a guiding document for HCEA  
4 appears to be the Hawai'i Clean Energy Agreement, HCEA.  
5 What does that document say? It seems to contain a number  
6 of commitments by the state that are not being disclosed to  
7 the public in the PEIS process, and maybe these statements  
8 are simply obsolete and things need to be updated. But  
9 right now the HCEA seems to be the only signed agreement  
10 between the state, the utility, and the consumer advocate.  
11 And DOE also signed this document in the role of a quote  
12 witness.

13           The HCEA commitments may be surprising to some of  
14 you. The utility has committed to install, quote, the  
15 maximum attainable amount of wind energy, unquote, and made  
16 a finding that, quote, to achieve substantially greater use  
17 of wind power on Oahu, where most of the electric power is  
18 used in the state, it is necessary to transmit the wind  
19 power produced on the other islands by undersea cable  
20 systems to Oahu.

21           The utility agreed in HCEA and the state to  
22 commit, and committed to conduct all studies and analysis  
23 relating to the undersea cable systems in a, quote,  
24 expedited manner. And again, there doesn't seem like  
25 there's been a disclosure. If there's still an ongoing

1 commitment by the state that these things are going to be  
2 done in an expedited manner, that should be disclosed to the  
3 people. The parties agreed in the Clean Energy Agreement  
4 that there will be no new generation fueled in whole or in  
5 part by coal. It may be a perfectly reasonable choice, but  
6 again, is that something that's binding on all of us? Is  
7 that part of the working understanding of what clean energy  
8 is today?

9           Finally, we just want to say that the HCEA calls  
10 for all the parties to support exempting Hawai'i from  
11 something called the Public Utility Regulatory Policy Act,  
12 or PURPA. And again, if that's part of what this process  
13 is, we would be concerned that we're just going too far  
14 afield here. Thank you for your time. (Applause)

15           FACILITATOR CHANG: Kay Okamoto, Alana Kaopuiki,  
16 and Walter Enomoto.

17           MS. LINDA KAY OKAMOTO: Good evening. My name is  
18 Linda Kay Okamoto. I am from the island of Lana'i. I've  
19 been a resident there for 45 years. My husband and my three  
20 children were all born and raised there. And I want to  
21 thank the people of Maui for listening to some of us  
22 tonight.

23           There are a couple of us who have come over from  
24 the island, but you are going to hear many people tonight  
25 who have a wonderful feeling about Lana'i, even if they

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1 don't still live there. Many of them have lived there and  
2 maybe born there and have moved to Maui, but they still have  
3 that wonderful feeling for the island. And people, I'm sure  
4 many of you who have been over, understand that it is a  
5 different place.

6 I do also want to recognize that every island that  
7 we have talked about and we've heard about so far has  
8 different concerns, and we all need to help each other in  
9 those concerns. We're hearing about Smart Meters. On the  
10 Big Island they talked about geothermal, and the problems  
11 those energy systems produced for you, our neighbors, and I  
12 think we all have to help each other out. We are all  
13 neighbors in this whole process.

14 As I understand the process, it's to develop a  
15 plan for more energy efficiency on all of our islands. I  
16 think we've all agreed that we do need to be more energy  
17 efficient. We need to use less imported fossil fuels. But  
18 at what cost? Almost any problem can be solved if you throw  
19 enough money and resources at it. But is that what we need  
20 to do? And dollar cost doesn't seem to be covered. In  
21 fact, we have been told that it's not part of this process.  
22 But it has to be. Dollar costs are part of our environment.  
23 If we are having to pay more for everything, that affects  
24 your environment.

25 But I am not just referring to dollar costs, which

1 are gigantic, but costs include the loss of cultural and  
2 environmentally sensitive areas in our state, which we've  
3 all heard about, and the destruction of the environment, and  
4 the addition of bi-products that we do not want in our  
5 environment. All of these processes are part of the  
6 alternative energy, but we do have to look at the cost.

7           We need to study what has already been happening.  
8 We have wind energy on Maui. I feel that the study must say  
9 what did it cost to put it in, what is it costing to keep it  
10 going, how many jobs are produced, and how long are those  
11 jobs continuing. Are we willing as a community to see our  
12 future generations saddled with \$2- to \$3 billion to put a  
13 cable to Oahu so that they can have better energy? Thank  
14 you. (Applause)

15           FACILITATOR CHANG: Alana, Walter Enomoto, and  
16 then Lester Wong.

17           MS. ALANA KAOPUIKI-PELLEGRINO: Aloha. My name is  
18 Alana Kaopuiki-Pellegrino. My grandfather, Solomon  
19 Kaopuiki, who is sitting over there with the black hat on,  
20 he's 93 years old. He was born in the town of Keeaumoku,  
21 Lana'i. He grew up living off the land and was taught the  
22 importance of caring for it. He is known for being an  
23 adventurer and has told us many stories of his explorations  
24 around the island, leaving no surface untouched. My family  
25 is lucky enough to see Lana'i through my grandfather's eyes.



1           For those of you who aren't aware of the  
2 uniqueness of Lana'i, it has a vast open landscape that  
3 creates a sense of old Hawai'i. It is a feeling of history  
4 untouched, but valued. My grandfather saw what was  
5 happening to his pristine island and knew he had to protect  
6 it. He worked on countless boards and history committees  
7 trying to share knowledge to preserve areas around the  
8 state. He began Kanepu'u Forest Reserve in the ahupua'a of  
9 Ka'a to help the few rare native species that were left.  
10 This forest reserve is thriving today, but could see a  
11 decline because of this project.

12           The Big Wind Project will expand over a fourth of  
13 the island. This will limit access to the ahupua'a of Ka'a,  
14 the beautiful sandy beach of Polihua, the purple red dirt of  
15 Keahiakawelo, and possibly the entrance to Kanepu'u. It is  
16 difficult to envision a sense of pride for your island when  
17 it is covered with something so foreign, such as towering  
18 windmills.

19           I think back to my kupuna and the disgust that  
20 would show on their faces if they saw this project. They  
21 would never need this type of resource because they didn't  
22 live frivolously. The Hawaiian way would never destroy one  
23 resource for another. It baffles me that someone could  
24 propose such a ridiculous idea, such as transferring energy  
25 from one island across the sea to another.

1           First of all, the undersea cable would never be  
2 approved by our ancestors because of the respect that they  
3 had towards the ocean. Secondly, this project plans on  
4 transferring 100 percent of the energy made to Oahu.  
5 Hawaiian values would take care of their own aina and own  
6 people first.

7           This Oahu-centric mentality affects all of the  
8 outer islands, but I think this is a new blow. Oahu needs  
9 to look at its own sources and become self-sufficient by  
10 solving some of the problems on island before looking to  
11 destroy another. The state is looking at meeting the goal  
12 of 70 percent clean energy the wrong way. Instead, we  
13 should focus on conserving energy.

14           During my parents' generation they were taught  
15 important lessons, like hanging your laundry, turning off  
16 the lights when you leave the room, walking or riding your  
17 bike to get around. What happened to my generation? Many  
18 don't understand the ideology of malama or kuleana. Despite  
19 the lack of respect people have for the earth, the state  
20 should at least be educating individuals on ways to help  
21 conserve energy use. Our state government shouldn't spend  
22 the \$1 billion in tax money that would have been used on the  
23 undersea cable, but instead should promote advertisements or  
24 plans to reduce energy locally.

25           Although it would be nice if everyone cut back on

1 their use, it most likely won't happen. So I do believe  
2 renewable energy is important to limit greenhouse gas  
3 emissions and prevent global warming. However, I don't  
4 believe wind turbines are cost-effective or efficient ways  
5 to make energy. There are less invasive forms, like solar  
6 and photovoltaic panels, hydro-electric power, bioenergy,  
7 and geothermal that can be utilized.

8           The ironic part is this project has nothing to do  
9 with saving our planet, but everything to do with profit.  
10 They have no interest in the people, just in making a buck.  
11 It's a profit scheme. We need to stand up and stop letting  
12 wealthy corporations dictate the ways of our state.

13 (Applause)

14           This project will do nothing for the people of  
15 Lana'i except to cut off access to a huge portion of the  
16 island. I have watched videos from people around the world  
17 who live near similar wind turbines. They describe the  
18 sound and shadows caused by the turbines to be detrimental  
19 to their health.

20           But the most important part is people need to  
21 understand the Hawaiian value of malama and taking care of  
22 nature. The land can't speak for itself. This project, if  
23 started, can never be reversed. It will destroy that  
24 portion of the island forever.

25           I humbly ask you to rethink this decision and

1 abandon it. You are all very bright people. Sure enough  
2 you can find another solution to solve Oahu's energy crisis.  
3 Mahalo. (Applause).

4 I just wanted to add I know I specifically spoke  
5 about Lana'i, but I don't believe that it should be on  
6 Moloka'i either. (Applause)

7 FACILITATOR CHANG: Walter Enomoto, Lester Wong,  
8 and Anita Hallard.

9 MR. WALTER ENOMOTO: Aloha and good evening,  
10 everyone. My name is Walter Enomoto, E-N-O-M-O-T-O. I am  
11 speaking tonight as an individual and professional in the  
12 energy field for now over ten years here on the island of  
13 Maui. I have been involved in the solar/photovoltaic field,  
14 energy efficiency, energy consulting field, and wanted to  
15 share some of my thoughts as someone kind of in the trenches  
16 of the energy field.

17 As you go through this programmatic EIS, there's a  
18 missing component in the energy efficiency side. And one  
19 area that really needs to be looked at more, not only  
20 conservation of course and energy efficiency, but also in  
21 the area of maintenance, retro-commissioning, real time  
22 monitoring, so that both businesses and industries can  
23 monitor exactly what they're using, and see if there are any  
24 problems.

25 Point in case, today I had to dress nice because I

1 was checking out a commercial solar hot water system that  
2 was not working for months, that nobody knew about, and was  
3 costing thousands of dollars. It was as simple as somebody  
4 had turned off the breaker that powered the solar controller  
5 that made the system work. That cost thousands of dollars  
6 to this entity, because they did not have a way until  
7 recently to identify that that energy use was being  
8 consumed. All they knew was that they saw their bill going  
9 higher.

10           So for residences as well as commercial entities,  
11 maintenance is critical. If you own it, take care of it,  
12 make sure it works right. Air conditioning systems, huge  
13 central plants and large facilities, all the way down to  
14 home systems, that's an area that is very lacking. Our  
15 corrosive environment on air conditioning components eats up  
16 and degrades the efficiency of air conditioning systems much  
17 quicker than in other areas.

18           Motors pumps, unfortunately because of the  
19 economic conditions, refrigeration, particularly on the  
20 island of Moloka'i and Lana'i where the energy prices are at  
21 least a dime higher per kilowatt hour compared to Maui, with  
22 the economic malaise that plagues both Lana'i and Moloka'i,  
23 their cost for basic things like refrigeration, freezing,  
24 are going to put them in a very tough spot unless we can  
25 look at more ways to engage energy efficiency measures, and

1 hard-to-reach communities that really need it for basic  
2 sustenance and survival.

3           Along those lines, in the area of transportation I  
4 would be remiss if I didn't speak about that. I have been  
5 involved with bicycling advocacy, and one area of  
6 alternative transportation is the non-motorized and  
7 non-fossil fuel area of transportation. Why do we need to  
8 even use a vehicle if we can walk, ride a bike or get  
9 around? Much of that has to do with proper planning of  
10 communities and layout, avoiding sprawl. Creating  
11 communities that you can bike or walk, and interact with  
12 everybody around you, as opposed to the urban sprawl that we  
13 have created in many communities of our island.

14           I just wanted to share these thoughts with all of  
15 you, and I hope you will consider them as you go forward in  
16 this process, and I look forward to seeing the draft  
17 document later. Thank you. (Applause).

18           FACILITATOR CHANG: Lester Wong, Anita Hallard,  
19 and then Kanoho Wailuku Helm.

20           MR. WONG: Aloha. My name is Lester Wong,  
21 W-O-N-G. Lana'i is a special place to me personally. My  
22 grandparents moved there in 1927. The Nahipu family, the  
23 Matsue family, to work on the plantation that was just  
24 starting out. On my Hawaiian side the family can be traced  
25 back to Kaonolu Village. I personally spent a lot of time

1 there as a child. I worked in the pineapple plantation.  
2 And most recently I retired from the Maui Police Department  
3 as the Lieutenant and the Commander of the Lana'i Police  
4 District. My time there was very special to me. The people  
5 there are very special to me.

6           What impacts the community, for this purpose, I  
7 would like to talk about the socio-economic impact. Hunting  
8 and tourism is very important. For me, as a hunter, as a  
9 person who goes out and likes the outdoors, Lana'i, through  
10 the State Department of Land and Natural Resources, and the  
11 cooperative agreement with the landowner, deer season and  
12 sheep season for hunting brings in monies for  
13 transportation, for food, lodging, shelter, amenities. And  
14 that takes place for 24 out of the 52 weeks out of the year.  
15 And you can ask, you know, the residents there how important  
16 that is.

17           If these windmills are to be built on that side of  
18 the island, which is the state hunting area, I can't see how  
19 that will continue. With today's technology, with Google  
20 Earth and 3D imaging, and movies, I'd like to see a 3D image  
21 of what the impact of these windmill towers would have on  
22 each of the roadways and valleys and access to the ocean for  
23 fishing or for recreation.

24           I also wanted to bring up about what was said  
25 earlier about Mayor Arakawa. While I was stationed there,

1 we had a community meeting, and somebody brought up a  
2 question about the road to Keeaumoku. How come the county  
3 road down from the city is only one lane, and why is it so  
4 narrow. Why doesn't it become a two-lane road paved with a  
5 linear divider. And Mayor Arakawa answered, "Do you want  
6 cars to go down that road in two directions, speeding, or do  
7 you want to keep it in a rural character?" And I had to  
8 agree with him.

9           You know, the County Department of Public Works,  
10 those highway division guys, they take care of the roads  
11 really well. The shoulders and everything is really nice,  
12 but it's still a one-lane road. People will drive slower on  
13 a one-lane road, as opposed to an asphalt road that is well  
14 paved.

15           I wanted to thank everybody for coming out and  
16 giving their comments and allowing me to speak. Thank you.  
17 Mahalo. (Applause)

18           FACILITATOR CHANG: Next I have Anita Hallard,  
19 Kanoho Wailuku Helm, and Sharon Rose. Is Anita Hallard  
20 here? Kanoho? And then after Kanoho, is Sharon here? And  
21 then after Sharon is James Pasqual and Jerry Wright.

22           MR. KANOHO HELM: I'll be quick. I'm looking into  
23 submitting written questions. I also would like to  
24 encourage everybody here who have a lot of concerns to  
25 submit written comments, because they want to look at that.



1           It's a very confusing process, the PEIS process.  
2 I Aloha Moloka'i has put out a simple little film called  
3 "When to Wear Your Malo." So if you guys want a kind of  
4 simple explanation on commenting on the PEIS, type in "I  
5 Aloha Moloka'i, When to Wear Your Malo," and you can kind of  
6 look at how to comment.

7           Basically I'm up here, and we are going to attend  
8 the Lana'i meeting as well, back on Moloka'i, and then back  
9 on Oahu and the last meeting. As the man stated earlier,  
10 there's been three different surveys actually on Moloka'i,  
11 all of which were 90 percent opposed to the wind farm that  
12 is being proposed there. I mean enough is enough already.  
13 We don't want to shout, we don't want to yell. We're tired  
14 of, you know, going out there and holding signs. This has  
15 been going on for years already that we've been fighting  
16 this. It's been stressful. It's been stressful on all of  
17 our families. And, you know, it's been heartache, because  
18 we know that this, the project that they're proposing, is  
19 not right. It's not the right thing to do.

20           Does anybody know what the status of the Kahuku  
21 Wind Farm is today? Anybody know? It's not functioning.  
22 It's not functioning today. Now we are going to waste our  
23 time on putting up these wind farms, investing in a billion  
24 dollar cable, and the wind farm on Oahu is not even  
25 functioning? That's crazy. That's crazy.

1           You know, I'd just like to say that we're standing  
2 solidarity with Friends of Lana'i and Kupa'a no Lana'i in  
3 our opposition to the wind turbines and the cable. And we  
4 will submit comments, we will submit many comments. Mahalo.  
5 (Applause)

6           FACILITATOR CHANG: Next is James Pasqual, Jerry  
7 Wright, Deborah Greene. After Jerry, is Deborah here?  
8 Okay. And then Keala Kaopuiki Santos.

9           MR. JERRY WRIGHT: My name is Jerry Wright,  
10 W-R-I-G-H-T. I'm here, I have been involved in the PV  
11 industry now for about four years. I got into it because  
12 actually I'm a paramedic as the full-time job, and I got  
13 into the PV industry because I have three kids, and  
14 renewable energy is what is going to get us out of the  
15 trouble we're in as a species.

16           When he gave his speech earlier and put up the  
17 clean energy agenda numbers, the 40 percent number jumped  
18 out at me. I realized that that number is currently  
19 unachievable because we are bumping up another number that  
20 MECO has put out there, and it's 15 percent. I don't know  
21 if you people are aware. If any of you have tried to put in  
22 a PV system in the last four or five months, across the  
23 island MECO has put a limit on the number of PV systems that  
24 will go in any given circuit, of 15 percent of that circuit  
25 power coming in through photovoltaic cells.

1           You folks, the Hills, put in a system I would  
2 assume sometime in the last few years. Two-thirds of your  
3 neighbors, if they wanted to do it now would be told, "I'm  
4 sorry, you cannot put in a PV system." That's the situation  
5 we're in right now.

6           So my proposal is that -- it's a very simple one.  
7 Right now, from a socio-economic standpoint, allowing  
8 photovoltaic to proceed to move toward that 40 percent,  
9 which could clearly really move us forward quickly. Three  
10 years ago if you went in to get a PV system, went to MECO,  
11 dropped off your paperwork, then went to the county, dropped  
12 off your paperwork on a Monday, the following Friday, two  
13 weeks later, you could have guys on your roof putting up  
14 your system.

15           Now if you go into MECO, drop off your paperwork,  
16 you have got a three week wait until they'll tell you  
17 whether they'll do it or not. They may say, "Well, we're  
18 going to have to do a supplemental review because we're  
19 pushing 15 percent." They could extend it another three  
20 weeks. Then if they're done, they will give that paperwork  
21 to the county. The county has got three weeks. So now  
22 we've gone from two weeks to nine weeks minimum to get these  
23 panels up. And the clock is ticking on the tax credits that  
24 make this whole thing very viable and financially  
25 attractive.

1           So what I would encourage basically is we have a  
2 member of the PUC here. I would like the PUC and all the  
3 policymakers to question MECO and ask them why is this 15  
4 percent level that they have set not being followed. That  
5 limit is not there on Kauai, it's not being enforced on  
6 Oahu. The only place it's happening is on the island of  
7 Maui. It's putting sand in the gears of an industry that  
8 was growing from a socio-economic standpoint.

9           The company I work for has had to lay off a bunch  
10 of installers, guys that were up on the roof in the sun  
11 putting those things up. A bunch of them have been laid  
12 off, and it's been happening across this industry that was  
13 really starting to accelerate to provide this goal, the  
14 state goal that we are trying to achieve. MECO is now  
15 throwing sand in the gears of this whole process. I would  
16 just urge the member of the PUC back here, and people at the  
17 county to find out what's going on at MECO where this is  
18 happening. Thank you. (Applause)

19           FACILITATOR CHANG: I have Deborah Greene, Keala  
20 Kaopuiki Santos, and then Nani Watanabe.

21           MS. DEBORAH GREENE: Ron Shranz, Sharon Rose and  
22 Anita have all given me their minutes, because they had to  
23 leave.

24           FACILITATOR CHANG: Are they doing to be providing  
25 written comments?

1 MS. DEBORAH GREENE: I do not know. My name is  
2 Deborah Greene, G-R-E-E-N-E. I live in Kihei. My Ph.D is  
3 from Ohio State University. My area of expertise is energy  
4 management and energy kinesiology. It is scientifically  
5 unacceptable to deny the mass evidence regarding the  
6 increases in cancer and the other adverse health affects in  
7 people exposed to high levels of radio frequency, microwave  
8 radiation, such as that emitted by Smart Meters and a smart  
9 grid system. Bio Initiatives is an international consortium  
10 of concerned scientists and policy makers who have banded  
11 together and poured over more than 2,000 pieces of peer  
12 reviewed scientific research, and they have come to the  
13 conclusion that the current regulations are inadequate to  
14 protect public health.

15 The United States has some of the most lax  
16 regulations on the planet. But as lawsuits increase, which  
17 they are, this is bound to change. In June of this year,  
18 June 15th, the Federal Communications Commission submitted a  
19 proposal to re-evaluate cell phone radiation emission  
20 standards. And then in August a report from the U.S.  
21 Government Accountability Office found that FCC cell phone  
22 radiation standards are outdated compared to standards of  
23 international regulatory agencies.

24 The current levels fail to reflect the most recent  
25 research on cell phone radiation, and they do not identify

1 the maximum exposure that most users are subject to. These  
2 FCC guidelines were last updated in 1992, and they don't  
3 take cumulative effects into account. Do you think  
4 electromagnetic radiation exposure has changed in the last  
5 20 years? Yes. Me too. A consortium of law firms is  
6 leading the litigation against cell phone manufacturers,  
7 alleging that manufacturers failed to adequately warn users  
8 about the dangers of cell phone radiation. The same could  
9 easily be said for Smart Meters. Same industry, same  
10 negligence.

11 The negative health effects from radio frequency,  
12 microwave frequency radiation is well documented. Breaches  
13 in the blood brain barrier, compromised immune systems,  
14 neurological functioning compromised. It affects our DNA,  
15 produces behavioral problems, insomnia, sleep disruption,  
16 ringing in the ears. Also lowered sperm counts in men.  
17 Also childhood leukemia, and other types of cancers and  
18 tumors. Individuals who experience such side effects as  
19 these may be entitled to compensation for medical expenses,  
20 lost wages, lowered real estate values, pain, and  
21 psychological suffering. Who will pay for all of this?

22 So far, 52 scientists and physicians from around  
23 the world have signed a document refuting the safety of  
24 Smart Meters. They say to focus only on tissue heating, or  
25 what's called thermal affects, is incorrect and reflects a

1 lack of awareness and understanding of the scientific  
2 literature. In fact, more than a thousand studies done on  
3 low intensity, high frequency, non-ionizing radiation going  
4 back at least 50 years shows biological mechanisms that do  
5 not involve heat. This radiation sends signals to living  
6 tissue that stimulates biological changes, which can  
7 generate various systems, and may lead to diseases such as  
8 cancer. There is no reason for this type of technology to  
9 be approved and used anywhere in the world, but particularly  
10 not in Hawai'i. Thank you. (Applause)

11 FACILITATOR CHANG: Next I have Keala Kaopuiki  
12 Santos, and then Nani Watanabe, and Jeanne Skog.

13 MS. KEALA KAOPUIKI SANTOS: Aloha kakou. My name  
14 is Keala Kaopuiki Santos. Although I no longer live on  
15 Lana'i, my ohana has been there for generations, and my  
16 heart is there. I have a deep love for that aina. At the  
17 last meeting I spoke on the areas of concern that you guys  
18 are looking for. I spoke regarding the cultural and  
19 historical resources, access to hunting, fishing, and  
20 gathering sights for Lana'i residents, and also disturbance  
21 of archeological and cultural sites. If they're disturbed,  
22 it's irreversible. Those are the sites of our kupuna, of my  
23 kupuna, and it's just really unbearable to think of that  
24 destruction. I spoke regarding water resources. Where will  
25 the water come from for the concrete for these massive

1 turbines? Lana'i is already struggling water-wise as it is.

2 A Moloka'i student brought up a really good point.

3 He asked, "How deep down will these turbines go? Will it

4 affect the water table?" And I thought that was a really

5 great question. They were concerned about tapping into the

6 water table, and the affect that would have on their

7 hunting. How it would affect the animals in the area, not

8 having access to water. So I'm concerned about that.

9 I spoke in regards to geology and soils. What

10 will occur, as Uncle Melvin mentioned, what will occur

11 during heavy rains when all this soil is disrupted as they

12 build these hundreds of windmills. What's going to happen

13 to our reefs, these pristine areas of Lana'i?

14 And then as I was trying to wrap my mind around

15 these undersea cables, I was starting to do research that I

16 think is really interesting. And so I would encourage you

17 all to look at this report done by the U.S. Department of

18 the Interior, Bureau of Ocean Energy Management. It was

19 done in 2011, and it's on the regulations -- sorry, it's a

20 long title -- "Regulation and enforcement on the effects of

21 the electromagnetic fields from undersea power cables on a

22 Elasmobranchs branches," which are sharks and rays, "and

23 other marine species."

24 The study looked at how the electromagnetic fields

25 of both AC and DC undersea power cables affect the electro



1 and magneto sensitivity of marine mammals, sea turtles, and  
2 fish. In this study it was determined that the magnetic  
3 field emitted from these cables may cause navigational  
4 mis-cues in dolphins and turtles, and it was determined that  
5 it may affect turtle hatchlings and feeding behaviors.

6           That's a huge concern for me, because one of the  
7 beaches that's right at the bottom of this proposed  
8 development is called Polehua, and it is a well known area  
9 for turtle nesting. And of course the whole area is a  
10 sanctuary for hump back whales. So they found that there's  
11 currently insufficient information to determine the  
12 electromagnetic affect on whale species. But we can imagine  
13 that if it affects dolphins, it affects whales. So, you  
14 know, along with the major cultural and historical and  
15 environmental impacts, this is huge, what an undersea cable  
16 could do to marine life. I'd like to see what types of  
17 studies are going to occur on that end.

18           The study by the Department of the Interior  
19 suggested that the following proposed studies occur. They  
20 suggested that you track how the movement patterns and  
21 distribution of marine organisms are affected by wind power  
22 generation equipment. What are the long-term effects of  
23 offshore wind project facilities on local marine  
24 populations. Where will wind generation systems be  
25 constructed, and what marine organisms are most likely to

1 encounter them. And again, just really looking at what will  
2 occur long term, and so not going into it blindly. Some  
3 studies need to really occur before that undersea cable is  
4 implemented.

5 I just wanted to say I'm all for clean energy. I  
6 think it's wonderful. But when you look at this artist's  
7 rendering of what the windmills would look like on the  
8 island of Lana'i, this doesn't look very clean to me at all.  
9 It's a huge eyesore. Definitely the way of life will be  
10 altered. I think we really just need to look at distributed  
11 renewables on a small scale. People taking care of their  
12 own. Not at these large utility scale resources that are  
13 used to help other islands manage their crazy growth. It's  
14 ridiculous. So mahalo. (Applause)

15 FACILITATOR CHANG: Next is Nani Watanabe, Jeanne  
16 Skog, and then Julie Signore.

17 MS. NANI WATANABE: Aloha. My name is Nani  
18 Watanabe, and actually I was born and raised on the island  
19 of Lana'i, and I live in Maui full time. You have already  
20 heard about preserving our energy, but I'm really coming  
21 here to talk to you about the preservation of our island.  
22 And I was once on the Commission on Cultural Resources, and  
23 it was a very hard commission to be on. You know, how do  
24 you balance and work out peoples' needs.

25 All of the places that Keala showed and the

1 pictures, you know, I worked on Lana'i for ten years and  
2 came back to Maui in 2008. I continue to do activities and  
3 events on Lana'i, and when I go to Lana'i I share with the  
4 people about the history of our island. And I know that  
5 right now the windmills seems to be the number one topic.

6           So I talk about our preservation of our island.  
7 Uncle Sol is my uncle, my mom is the youngest of the  
8 Kaopuikis, and I was raised with my grandparents. It's so  
9 hard because, you know, they really instilled a lot of  
10 history about our island. You know, if you look at the pine  
11 trees on the island, my grandfather was originally from  
12 Korea, and I remember seeing a certificate that he got for  
13 being one of the planters of those pine trees.

14           And when you go to Kanepu'u, and Uncle Sol took us  
15 on a lot of tours there, you know, we had our opios, our  
16 other groups that went on a tour to Kanepu'u, and I look at  
17 all of the hard work and the history that our kupuna had  
18 actually put into our island, it's so valuable. It's  
19 something that you can never replace, you know, it's  
20 history. And we shouldn't be, you know, blocking these  
21 places from people to go and see and learn about our island.

22           When I would talk to the visitors I say you can  
23 enjoy fishing, hunting, golfing, or doing nothing, because  
24 people live in such a chaotic life. When you go to Lana'i  
25 your adrenaline, you just become -- you get so relaxed, you

1 know. At Koele I was born and raised, and I lived all my  
2 life at Koele. So we were known as the Koele Kids. And  
3 today, you know, I continue to support the Four Seasons at  
4 Koele with a lot of these cultural activities at the resort  
5 that we can continue to share with our visitors and our  
6 community.

7           But at Kanepu'u, if you haven't gone there, I  
8 think you all should go and visit our island. Go to our  
9 cultural inheritance center. They have done an awesome job  
10 in preserving the history of our island. In fact, people  
11 would say, "Nani, how can somebody buy an island?" And, you  
12 know, it's really hard, because it's like the person that  
13 owns the island has the power, you know, and the money to do  
14 it. And all we can do is speak up and say we want to  
15 preserve our island. You know, I want to be able to go to  
16 Polehua, I want to go to Kanepu'u, and I want to see the dry  
17 land forest, you know. I want to be able to preserve our  
18 native plants and our native birds.

19           Hunting is the lifestyle on Lana'i. I remember I  
20 used to get so mad at my mom because I had to hang laundry  
21 every single day. And when I worked and I babysat for the  
22 managers that lived in Haole Camp, I loved it because they  
23 had driers and I didn't have to hang clothes, and I thought  
24 that was so cool. But now we're trying -- we have driers,  
25 but it's eating up our electricity, so now we want to go

1 back to basics. I think we have to go back to basics and  
2 hang our laundry. My husband is very into that. We have a  
3 drier, but I have to try to hang my clothes within my house.  
4 And I think it's wonderful, though, you know.

5 So the lifestyle is getting back to basics and  
6 preserving how our kupuna had actually laid out our island.  
7 When I used to fly back and forth I would pass Lana'i, and  
8 it's so beautiful because there's no distraction. And when  
9 I saw that photo, it's so devastating. When I was in  
10 California I saw all these windmills, but somehow it matches  
11 there. (Laughter) but here it's just -- it just matches  
12 there. It's like, oh, yeah, it matches. But we have too  
13 much beauty to waste.

14 So I'm really against this, and I will stand up  
15 for not only myself but for the people of Lana'i who don't  
16 want to see this happen. But first and foremost is our  
17 kupuna that actually live there and came to share their  
18 island. Mahalo. (Applause)

19 FACILITATOR CHANG: Jeanne Skog. Is Jeanne here?  
20 Julie Signore, and then John Naylor.

21 MS. JEANNE SKOG: Good evening. I'm Jeanne Skog,  
22 S-K-O-G. I'm representing the Maui Economic Development  
23 Board, which is a non-profit organization focused on  
24 economic diversification in our community. And really, it's  
25 all about the new opportunities or other opportunities for

1 our youth, especially those that might otherwise have to  
2 leave the island because of professional or personal  
3 reasons. So that's what we're all about.

4 But as we seek to conduct economic  
5 diversification, we do so within the context of our  
6 communities cultural and environmental values. We are  
7 seeing the promise of renewable energy activity and jobs  
8 unfold as part of our economic base, which is really very  
9 exciting.

10 But as this sector continues to grow, the  
11 Department of Energy, State, and private sectors should be  
12 required to pay attention to the human infrastructure in our  
13 community in a couple of ways. One is contributing to  
14 residents acquiring the skills they need to fill the jobs  
15 created by this sector that is growing. We do a lot of  
16 work, MEDB does a lot of work in our schools. We have over  
17 10,000 participants our programs in the Maui County level  
18 alone, and the 21,000 statewide. And a part of that work is  
19 in clean energy and the skills that are important to  
20 sustaining that sector.

21 Our students are fascinated by the opportunities  
22 that are unfolding before them, whether it's working at Maui  
23 High on hybrid vehicles and learning about how energy  
24 intersects there, or setting up their own solar array as  
25 part of an experiment. Even as simple as seeing the impact

1 of changing an energy appliance to an energy saver  
2 appliance, and the impact that has to the bottom line. I  
3 mean they're really fascinated by all of this. So the  
4 capability and the intelligence is there, we just need to  
5 help facilitate them becoming part of the workforce.

6           And secondly, we've got to devote more resources  
7 to engaging our community, and find ways to have regular  
8 ongoing dialogue versus just coming once every  
9 year-and-a-half, or whatever the case may be. It's got to  
10 be regular, it's got to be ongoing. Energy is a very  
11 personal decision on all of our parts, and we just have not  
12 had adequate channels for having the dialogue, having the  
13 exchange. I mean it's great to have everyone here today,  
14 but who is not here, and who will not be heard because those  
15 channels are not in place. So I want to encourage the state  
16 and federal and private sector to do that. And some have  
17 done it to great effectiveness more than others, but you  
18 just cannot do enough of it.

19           And finally, last comment, the status quo in terms  
20 of our energy resources and costs are just not sustainable,  
21 so we must get creative on solutions. We're excited about  
22 the work of companies like Pacific Biodiesel. So we hope  
23 that this PEIS really helps to facilitate and guide our  
24 community's search to looking for community accepted  
25 actions. Thank you. (Applause)

1 FACILITATOR CHANG: We have Julie Signore and then  
2 John Naylor.

3 MS. JULIE SIGNORE: Aloha. First of all, I just  
4 want to say everybody who has spoken -- I'm sorry, my name  
5 is Julie Signore, S-I-G-N-O-R-E. Everyone who has spoken  
6 tonight came from their heart, and I think that's something  
7 that really needs to be heard by this panel. These islands  
8 mean so much to us, and that can never be taken away. The  
9 studies that our people are putting forward, I am not going  
10 to elaborate on anything further there.

11 I do want to say thank you to the panel, and with  
12 all due respect, I'd like to also just quickly mention it's  
13 time to think outside the box. With all the items that I  
14 saw in those lists tonight, I was anticipating something  
15 completely outside the box, because I can find that if I do  
16 research on my own. I would invite everybody here to look  
17 into the Keshe Foundation, K-E-S-H-E. They're located in  
18 Belgium. We're talking about renewable energy. What if  
19 there's free energy? Tesla has had his work out there for  
20 decades. What happens every time any inventor gets close to  
21 doing something for us? Unfortunately, they disappear.

22 Dr. Keshe has created this foundation. There is  
23 free energy available now. Every country has been  
24 approached to send an ambassador to Belgium to be trained in  
25 how to utilize this. It is a box so big (indicating) that



1 everyone can attach to their home. No converting any  
2 appliance. And you tap in to the energy that's already out  
3 there that we don't see. It's the plasma energy. It's not  
4 polluting anything, it's out there, we live with it all the  
5 time.

6           There's a problem with the United States, though.  
7 Our President said no, under no circumstances is this  
8 technology allowed into this country. In the meantime,  
9 Africa has sent their ambassadors over. Take a look-see at  
10 what's going to happen over in a country that really needs  
11 help on so many different levels. The problem I don't know  
12 for sure. The only thing I can think of with this country  
13 is the problem is lobbyists. So unless and until we get  
14 them out of the picture. There's so much talent with each  
15 person in the State of Hawai'i, let alone the entire United  
16 States, to be creative.

17           I wasn't going to talk this long, but I am going  
18 to give you a quick example. My husband is a tinkerer in  
19 his spare time. For under \$20 he's gone to Radio Shack, he  
20 bought some -- I hope I say these words right -- capacitors,  
21 a couple of wires, a rod, and he has played with this on his  
22 own. And there is free energy out there. He can charge a 9  
23 volt battery with something that's this big (indicating)  
24 with a couple of skinny wires.

25           He also in his spare time created just one crazy

1 little thing with hydrogen, which is how he's running his  
2 car, with a mixture of gas and hydrogen. Anybody can do it.  
3 The research is out there. We need to approach our  
4 government and let our people bring it here. Thank you very  
5 much. (Applause)

6 FACILITATOR CHANG: John Naylor. John is the last  
7 person that's signed up. Is there anyone else? Okay, all  
8 right.

9 MR. JOHN NAYLOR: Thank you. My name is John  
10 Naylor. I'm glad I'm not the closer. (Laughter) I am  
11 concerned about pretty much everything that people talked  
12 about here today, and I want to really thank everyone for  
13 coming up and, as the last woman said, speaking from your  
14 heart.

15 I'm concerned about Smart Meters. You know, we've  
16 heard a lot of testimony tonight, and there are so many of  
17 those fields now with cell towers, with our own computer  
18 systems in our houses, and now these Smart Meters. There's  
19 so much unknown about these things, and they're essentially  
20 being forced on us. So that's one of my concerns.

21 I'm also very concerned about what's going on with  
22 the aina, the islands of Lana'i and Moloka'i. We've heard  
23 about those. I wanted to once again bring this up and have  
24 you look at this (indicating). And then on the little  
25 flier, and I think these are still available over there,

1 there's a picture. And I don't think you can probably see  
2 this, but it's a picture of a windmill, a picture of a tree,  
3 and a picture of a human who is six feet tall. Well, I'm  
4 six foot three, so I did a little math. I don't have a  
5 calculator, hopefully I can still do long division, and this  
6 wind turbine at its peak is 410 feet. So I'm six feet tall  
7 or a little over. That would be 68 times me.

8           So just if you can get an image of how massive  
9 that is, and then look at how many potentially would be on  
10 the island, I think you can begin to grasp the impact on the  
11 aina. And then the people who live there and have lived  
12 there for generations, it just blows me away that we can do  
13 that and they don't even get any of the energy. It gets  
14 shipped off to Oahu. And then we heard that Oahu's wind  
15 farm is not even functioning. That's just, you know, it's  
16 inconceivable.

17           And then all the impact that that is going to have  
18 to -- you know, can you imagine the foundation that has to  
19 be in the ground in order to hold that up? So all that  
20 earth is going to get moved. As people have said, it's  
21 going to rain, there's going to be erosion.

22           You know, all over the world our coral reefs are  
23 in jeopardy, and coral reefs are where the marine life  
24 begins, you know. The little things, bigger things come  
25 along and eat those, and that's how we get our food. And so

1 many people on those islands actually live off the aina.  
2 They're supplementing their meager income with hunting and  
3 fishing and gathering.

4           So please, please look at this impact. Consider  
5 all the cultural aspects. I mean so many people have, so  
6 much better than me, spoken to these things. I'm just  
7 saying put me down as also supporting these people. And  
8 then, you know, think about the fact that how many people  
9 are on Maui that didn't even see the article, you know. It  
10 was in today's paper. It's not a heck of a lot of notice.  
11 I don't know whether there was another article, but I do go  
12 through the Maui News every day, I'm a subscriber.

13           The people that spoke here today represent a lot  
14 more people who, if they weren't working two jobs, weren't  
15 raising their kids and so forth, would be here if they knew  
16 about it. And all the other things that are going on while  
17 we're too busy to take notice, or just can't get there.

18           Let's see, I've got a few more notes. Nobody is  
19 standing by me. I know you are going to come and give me a  
20 hug here in a second. Well, anyway, thank you all for  
21 coming, and thank you all for listening, and I will give the  
22 closer a chance. Thank you very much. (Applause)

23           MR. HOKUAO PELLEGRINO: Aloha. My name is Hokuao  
24 Pellegrino, H-O-K-U-A-O, last name, P-E-L-L-E-G-R-I-N-O.  
25 (Hawaiian language spoken). My name is Hokuao Pellegrino,

1 and there was a number of things I would love to speak  
2 about. I'd like to first off just say real briefly that I  
3 am definitely not for any type of wind farm, wind farms on  
4 Lana'i or Moloka'i, and I support the efforts of my wife's  
5 family, the Kaopuiki family, that have lived on Lana'i for  
6 generations.

7 I actually want to speak on something a little bit  
8 different in regards to renewable energy, and that is  
9 sustainable food systems. One thing that nobody has talked  
10 about in regards to the sustainable green energy, renewable  
11 energy initiative is the fact that we import so much of our  
12 food to Hawai'i, about 80 to 90 percent. And where does the  
13 fuel come from in order to fuel these ships, planes, fuels  
14 for our equipment, and so on and so on. And I think that's  
15 really something that you folks should look into, is  
16 sustainable food systems.

17 Prior to the current job that I do, I work for  
18 Kamehameha Schools, I worked on a comparative study on  
19 sustainable food systems, where we looked at the overall  
20 initiatives that are going on in the state in regards to  
21 food, sustainable food systems, growing food, our consumer  
22 who is consuming the food, where it's coming from, and so on  
23 and so on.

24 I mean we could look at a prime example here in  
25 Maui. One of our large commercial agricultural companies,

1 which I am not going to say, utilizes coal for running their  
2 sugar mill. I'll just leave it at that. (Laughter) And yet  
3 on the other hand they're using bagasse to offset some of  
4 the costs here in the island, and I think that's something  
5 that we need to look into. Because if we were able to grow  
6 more of our food, and even if we were to cut that 90 percent  
7 in half and grow 45 percent of the food, we'd be able to  
8 eliminate a lot of the fossil fuel that we're dependent upon  
9 in order to bring these foods into Hawai'i. That comes from  
10 my farmer perspective.

11 On the other hand, I'm also an educator pertaining  
12 to cultural resources, and one thing that has troubled me  
13 for many years in the position that I'm in -- and again, I'm  
14 definitely speaking as an individual, not for the  
15 organization that I work for. But as an educator, I'm  
16 baffled by the constant curriculum and programs that I and  
17 my sister-in-law and my co-workers need to develop and teach  
18 our students about the constant impacts that projects such  
19 as this are having on our cultural resources.

20 For example, if something were to occur on Lana'i  
21 in regards to these mega wind farms, we would have to create  
22 a program to teach our students about those cultural  
23 resources that once existed, and how we as Hawaiians need to  
24 figure out in this grand scheme of things how to perpetuate  
25 our culture. I would much rather be able to create and

1 educate our next generation about how to perpetuate a  
2 tradition that is still alive via our aina.

3           If we eliminate the cultural resources, our  
4 archeological sites, the birthplace our aina hanao, where  
5 our kupuna came from, then we will constantly be playing a  
6 catch-up game in order to teach, and have a very fragmented  
7 cultural landscape in how to teach the people of our aina  
8 where they came from. We won't be able to show them where  
9 they came from. In fact, their kupuna that are buried in  
10 those places will no longer be in those places where they  
11 were buried by their kupuna.

12           So I am completely for renewable energy. In fact,  
13 I guess I have a pet peeve in all of this, where we're going  
14 to spend \$1- to \$3 billion on an undersea cable, when my  
15 wife and I, who just started building our house, because of  
16 the saturation rate that Hawaiian Electric, Maui Electric  
17 Company has established in our community of Waikapu,  
18 Wailuku, and it's also occurring on Moloka'i, we are unable  
19 to generate as an individual any form of renewable energy.  
20 So my wife and I can't even put photovoltaic panels, yet I  
21 am going to have my own taxpayers dollars spend \$3 billion  
22 to put an undersea cable from Lana'i to Oahu. I don't think  
23 so. (Applause).

24           So you need to look at how individuals want to  
25 manage these resources, and be able to structure ourselves

1 in a way that we can be self-sufficient. Because we want to  
2 do that, but we are held hostage by corporations and  
3 initiatives like this that don't allow us as individuals to  
4 want to do good for our aina. I mean I can grow my own  
5 food, but I would like to know that I could put photovoltaic  
6 panels or wind turbines on my house, so that at the end of  
7 the month I can pay my bills. But I can't do that.

8 So again, I'm not going to support any type of  
9 large corporate alternative energy if we as individuals  
10 cannot make a difference for ourselves and our community.  
11 Mahalo. (Applause)

12 FACILITATOR CHANG: Is there anybody else who  
13 would like to speak that hasn't spoken?

14 MR. JOHN DUEY: Aloha. My name is John Duey,  
15 D-U-E-Y. Three quick things. Number one, the gentleman  
16 earlier spoke about MECO and not taking the power. We had a  
17 250 KV system all signed and ready to go in Ukumehame in a  
18 500 gradient area. People finally went to MECO and they  
19 said, "No, we don't want your electricity," so we couldn't  
20 proceed.

21 Number two, no hydro-electric plants in the  
22 Nawaiha, period. Number three, we're going to spend  
23 probably billions of dollars on this renewable energy that  
24 we are talking about tonight, and by 2030, or whenever this  
25 70 percent happens, we'll be paying more energy costs than



1 we are right now. So I can't see going through all this  
2 process when there will be incentives and tax breaks and  
3 everything given to all types of individuals and companies  
4 and corporations, whatever. And in 2030 we'll be paying  
5 more than we are right now. So it seems to me like a big  
6 waste of money, in my mind. Thank you. (Applause)

7 FACILITATOR CHANG: After this gentleman, is there  
8 anyone else who would like to speak who hasn't spoken?  
9 Okay.

10 MR. BRIAN SARASIN: Hi, good evening. My name is  
11 Brian Sarasin, S-A-R-A-S-I-N. I appreciate everybody being  
12 here and I appreciate the Commission being here. The one  
13 thing is I agree with all the testifiers. The one thing  
14 that really gets my dander up is all these windmills and all  
15 these other things, what -- excuse my French -- what in the  
16 hell is going on with the peoples' community plans?

17 The people in every area need to have their  
18 community plans, and have whoever is coming in abide by  
19 that. Never mind these big corporations coming in and  
20 they're going to do what the hell they want. No, I'm sorry.  
21 Each community's community plan needs to be adhered to.  
22 Right, wrong or indifferent, that's what the people want.

23 Now, the people that live there deserve what they  
24 choose and what they do not choose. Regardless of whether  
25 it's a small community or whether it's a huge community, it

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1 really doesn't matter. So that's the one thing I want this  
2 Commission to really look at, is each area, whatever  
3 alternative energy, to really look at their community plans.

4 I am not against green energy, but I am against  
5 what the community does not want. If the community would  
6 open their arms and say, "Hey, you know what, this is  
7 excellent," as far as I'm concerned, go for it. But that's  
8 not the case. So each area of the community plan needs to  
9 be addressed, looked at, dissected. And at that particular  
10 point if the answer is no, then the answer is no.

11 And when I am talking, I'm talking 51 percent.  
12 I'm not talking 90 percent, I'm not talking 95 percent, I'm  
13 not talking 100 percent. I'm talking 51 percent. Because  
14 if the community does not want it, it should not be rammed  
15 down their throats. And that's the part that I just wanted  
16 to say that I didn't hear addressed earlier. Thank you very  
17 much. (Applause)

18 FACILITATOR CHANG: I have one more person. Does  
19 anybody else want to speak?

20 MS. DIONNE SANDHYA: Hi, I'm Dionne Sandhya,  
21 S-A-N-D-H-Y-A. Can everybody hear me in the back? Okay.  
22 I'm not even sure why I'm up here. I didn't plan to be.  
23 But I think that listening to everybody up here kind of  
24 instigated me to come up and at least say my piece.

25 As I was sitting there I was remembering the

1 Hawaiian ferry. And I remember all the good things they  
2 said it was going to be doing from Oahu to Maui and, you  
3 know, then all the environmental things it wasn't going to  
4 do. And it's just the same thing as the cable. It's like  
5 we don't learn. We're like rats, we keep going up and down  
6 the same thing. We don't learn from it. Everything affects  
7 our environment, and our environment affects us.

8 I've lived here since 1986 on Maui. Life brought  
9 me here, and life keeps me here for some reason. And I keep  
10 seeing the island change for the good and the bad but, you  
11 know, change happens. But I think what that man just said  
12 is absolutely correct. It's like if we don't have a say  
13 over our own island, our own place to stay, then what do we  
14 have? And, you know, we can give all the facts and all the  
15 studies and everything like that, but it comes down to our  
16 emotions.

17 You know, what do we want? We want health. We  
18 want to be able to live in a nice environment, and we want  
19 to be healthy to do it. And all these things keep impacting  
20 us, and we don't have a choice.

21 Remember back when we were -- the smoking thing,  
22 and they told us it was all safe, and everybody was in the  
23 bars, and everybody was here and there. Now all of a sudden  
24 everybody is paying the price for it, including us, the ones  
25 that didn't want it. And they say now they're trying to

1 limit the smokers, and where they can do it, and this and  
2 that. Well, you know, why not in the beginning? You know,  
3 how could it not? A lot of this is just common sense.

4           This is what bothers me so much. They do all  
5 these freaking studies, but a lot of it is just common  
6 sense, you know. What do we need a Smart Meter for? We  
7 know when to use our electricity. We know what causes it  
8 more or less, or what makes it stronger or weaker. We're  
9 not stupid, and why do they treat us that way, as if we  
10 don't know what we want.

11           We keep telling them what we want, we want health.  
12 Give us healthy things, that's all. You are giving us dirty  
13 electric energy. You're limiting what this young man just  
14 said, you know, suddenly it's like we can't even do our own  
15 when we want to do it. It's time people started listening  
16 to us. We keep electing these people to speak for us. I'm  
17 wondering who the hell they're speaking for. It doesn't  
18 seem like us, because everywhere I look it seems like people  
19 are just like me, they want health, they want beauty, they  
20 want to be able to live without having to pay out so much.  
21 My God, MECO is just killing us with our electric bills and  
22 water bills.

23           Some guy in Maui Meadows just recently, his bill  
24 was like this, this, this, and all of a sudden it went like  
25 this (indicating). Nothing changed. It's got to be

1 something. I heard that other people in Maui Meadows had  
2 the same thing. You know, what's going on? Now I heard  
3 about satellites, the electric meters are read by satellite.  
4 So when there's a screw-up we don't even realize it. It's  
5 like, you know, I don't know machines are good, but human  
6 nature is better. (Applause)

7 FACILITATOR CHANG: I'll let this one gentleman  
8 speak.

9 MR. KEOKI MEDEIROS: Aloha. My name is Keoki  
10 Medeiros. I'm a registered nurse. You know, it's good to  
11 see all these people come out here today. Basically, in my  
12 mind, honestly in Hawai'i we're at war. We're at war with  
13 what's going on in our communities. You know, the gentleman  
14 earlier mentioned regarding our food supply. It is true, we  
15 get 85 percent sent to Hawai'i from outside. You know, we  
16 live in a paradise where there's three seasons, we can grow  
17 all the food we want. But yet for some reason corporations  
18 continue to control us.

19 I just came from a protest in front of Monsanto to  
20 basically fight for what's going on in our islands, and it  
21 blows me away. Tonight we were told that the Maui Police  
22 Department was surveilling us with cameras across the  
23 street. There's come a time that we're citizens and we're  
24 being monitored for basically trying to protect our aina.  
25 So, you know, it just blows me away.

1           I mean we pay these scientists and all these smart  
2 people to come together, and the best thing they can come up  
3 with is an interisland cable. Seriously? You know,  
4 seriously? Earlier a brother showed us a picture of all  
5 these hundred windmills taking over the whole countryside.  
6 What's going on with us? What is going on?

7           Tonight we came out to speak our minds. I've been  
8 starting to come to these community meetings and speaking  
9 testimony and blah, blah, blah. And to be honest with you,  
10 I feel like my words fall on deaf ears. So tonight we come  
11 forward once again to speak and say what we're thinking and  
12 what we're hoping for. But my question to you is what  
13 happens when it falls on deaf ears? Because that's where I  
14 feel I'm at right now.

15           We come out and we say what we've got to say, but  
16 for some reason I wouldn't be surprised if five years from  
17 now there's a cable going to Oahu. So we talk about it,  
18 sustainability. Why are we having to provide for Oahu? I'm  
19 from Oahu. Screw Oahu. You know, I'm from Oahu. I'm from  
20 the west side of Oahu where, you know, at one point in time  
21 I came out of my house and ashes were falling from the sky.  
22 And my parents and everybody in the neighborhood was amazed,  
23 wow, Hawaiian snow. And now I'm older and wiser, and now I  
24 do my homework, and I look at it, and it's like the sugar  
25 barons are pissing on the public, pissing on us, but yet we

1 continue in our daily lives 9 to 5.

2           Where is the community? They can't come to these  
3 meetings because they're working. They're running the rat  
4 race. Our government contacted us? How many of you knew  
5 about this meeting? I just found out a couple of days ago.  
6 So, you know, hey, I hope we continue to fight, and we  
7 understand what we need to be here for. It is on all fronts  
8 from energy, to our food supply, to what's going on with  
9 development, you know. Come speak your mind.

10           But at the end of it all, ask yourself if it falls  
11 on deaf ears, if our government is not listening -- and I  
12 won't even go into our government. You know, it's not my  
13 government. But the bottom line is, what are we going to  
14 do. Because I'm scared, you know. I'm new to all this.  
15 I'm finally starting to do my homework and paying attention.  
16 But I'm telling you, I continue to feel like our elected  
17 officials, our government has forgotten about what's the  
18 aina, and what's real estate, and what's pono. So thank  
19 you, and I'm against this by all means. Please, you know,  
20 listen to the people. Aloha. (Applause)

21           FACILITATOR CHANG: If there's anybody else, we  
22 have got 15 minutes to close. Last comment.

23           MS. DEBORAH GREENE: Deborah Greene. I think I  
24 can easily fill 15 minutes.

25           FACILITATOR CHANG: But you can't. You have got



1 three minutes.

2 MS. DEBORAH GREENE: Why?

3 FACILITATOR CHANG: Because that's what we've  
4 asked everybody else to abide by.

5 MS. DEBORAH GREENE: It's hard to pick off of  
6 these pages and pages. All right. Well, okay, even if I  
7 opt out of a Smart Meter, I can still get radiation exposure  
8 from my neighbor's Smart Meter, because radio frequency  
9 microwave radiation easily travels through walls and  
10 buildings. How will the radio frequency radiation be  
11 contained from the Smart Meters and smart grid technologies?

12 Smart Meters and smart grid technologies are not  
13 UL safety certified. They even lack safety standards  
14 approval. Safety standards exist and are applied to other  
15 electrical components, but for some reason there's no  
16 evidence of any UL or CSA certification for Smart Meters.  
17 How will the safety of these unregulated meters be ensured?  
18 Isn't moving ahead with untested technology risky?

19 An electrical contractor on Kauai recorded a Smart  
20 Meter installed at a business on Kauai that showed the  
21 pulsed microwave emissions were over 1,300 percent greater  
22 than KUIC's claim. How will Smart Meter and smart grid  
23 manufactures be held accountable? Who will oversee testing  
24 of individual meters and meters all linked together to  
25 communicate with each other?

1 Smart grid technologies sometimes interfere with  
2 other technologies, and can cause medical implants and other  
3 medical machines to fail. Who will be held accountable for  
4 this? What about potential loss of life? The Maine  
5 Judicial Supreme Court ruled that the Maine Public Utilities  
6 Commission failed to resolve health and safety issues  
7 related to the installation of Smart Meters, and should do  
8 so now.

9 What will be done to address health and safety  
10 issues related to the smart grid in Hawai'i? What about  
11 residents who are electro-sensitive, will you create a  
12 refugee zone for them to live? Won't they have to be  
13 relocated? Who is going to pay for this? Who will  
14 compensate the refugees? Where will they go? That is very  
15 legitimate question, and so far France and Italy have  
16 created EMF refugee zones for people who are  
17 electro-sensitive.

18 How will underwater electric cables be laid  
19 without damaging the reefs and marine life? We already  
20 heard testimony tonight about the dangerous affects on  
21 turtles and other sea creatures. Smart Meters actually  
22 raise power bills. How will these increased power bills  
23 affect the poor and lower income people?

24 People on fixed or low incomes generally live in  
25 smaller dwellings, and so they're going to be in closer

1 proximity to the Smart Meters. They also tend to live in  
2 multi-tenant dwellings, which means that living next to  
3 banks of multiple Smart Meters is a reality for them. This  
4 will unfairly penalize people with lower incomes.

5 Also, people with lower incomes or who are retired  
6 or unemployed or on fixed incomes tend to be home during the  
7 daytime. Smart Meters tend to charge a higher rate for  
8 daytime energy. This will unfairly penalize people with  
9 lower incomes. People with lower incomes also tend to have  
10 older appliances that are less energy efficient. Smart  
11 Meters are designed to interface with new, higher priced  
12 smart appliances. This will unfairly penalize people with  
13 lower incomes.

14 There have been many reports from around the world  
15 in every region of the United States of Smart Meters causing  
16 fires. How would people be compensated for Smart Meter  
17 fires, and what about loss of life? Thank you. (Applause)

18 FACILITATOR CHANG: I want to thank everybody for  
19 attending tonight. You have up until October 9th to submit  
20 your comments. You can do them by fax, by email. We have a  
21 meeting tomorrow on Lana'i, the following day on Moloka'i,  
22 and then the last day on Thursday on Oahu. All right, thank  
23 you everybody.

24 (Hearing concluded at 8:50 p.m.)

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C E R T I F I C A T E

STATE OF HAWAII )  
 ) SS.  
COUNTY OF MAUI )

I, JEANNETTE WALTI IWADO, do hereby certify:

That on September 17, 2012, at 5:30 p.m. this public hearing was taken down by me in machine shorthand and was thereafter reduced to print by me.

That this 74 page transcript represents, to the best of my ability, a true and correct transcript of the proceedings had in the foregoing matter.

Dated this 24th day of September 2012, in Maui, Hawai'i.

\_\_\_\_\_  
JEANNETTE WALTI IWADO, CSR NO. 135