

## Our Renewable Future: Justice and Equity after Fossil Fuels

Thursday, November 10, 2016 Speakers: Miya Yoshitani, Executive Director Asian Pacific Environmental Network, Timothy Den-Herder Thomas, Cooperative Energy Futures General Manager, Asher Miller, Executive Director Post Carbon Institute

Contact Us:	Our Renewable Future: <a href="http://ourrenewablefuture.org/">http://ourrenewablefuture.org/</a>
Tweet Us:	#renewablefuture
Website:	OurRenewableFuture.org

Daniel	Our Renewable Future: <a href="http://ourrenewablefuture.org/">http://ourrenewablefuture.org/</a>
Our Renewable Future_1	orf@postcarbon.org
Our Renewable Future_1	We're being hosted by Post Carbon Institute Executive Director Asher Miller, and talking with Miya Yoshitani, Executive Director of Asian Pacific Environmental Network and Timothy DenHerder-Thomas of Cooperative Energy Futures.
Mike	The USA is now at over double a sustainable pop, and growing by a Chicago each year. OverPop, even in the USA, is a major cause of social and environmental justice. Why does our OverPop seem to be ignored?
Luke	Can Obama and / or UN somehow secure Paris Climate Agreement from Trump?
Barbara	I think we need to have the Defense establishment present their analysis to Trump about their findings of climate impacts on their facilities and their preparations for defense.
Libby	Can't hear when any of you drop your voice at the end of a sentence -- especially Asher. Appreciate it if you change that. thanks
Luke	RE: Barbara Warren: I totally agree, but my understanding is that military has repeatedly tried to report climate findings and concerns (military infrastructure, global stability, national security) but the Republican-controlled Congress blocked any legislation.
Pamela	The situation calls for us to enlist our will with redoubled commitment. As in Bill McKibbens wartime analogy, we pull together to defeat an enemy. AND we pay special attention to the most vulnerable who remind us that we are all in this together.
Joel	Joel Stronberg I am also in complete agreement with Barbara on role of Defense establishment. I also think that emphasizing efficiency as a means to increase standard of living and the attendant health and employment benefits in low income communities would resonate with conservatives.
Ivan	Aljazeera reports that Trump intends to undertake a long overdue and major update of infrastructure in the USA. This would be a positive provided this update is based on sustainability guidelines otherwise there could be a massive waste of resources.
Pamela	See whole systems?

Dr. Alan	If we make the gloomy but unfortunately probably realistic prediction that based on the election outcome, large-scale substantive US and therefore world-wide action implementing our current, baseline, mature (mainly wind and solar) measures for mitigating global warming will be ON HOLD for another 4 years. I hope not, but those could be the facts. That tells me that NOW is the time to lean more into the R&D on BETTER large-scale measures for mitigating global warming, in order to have them "shovel ready" when things get better politically. We will need to stop filling up the atmospheric CO2 bathtub ASAP then. If you'd like to hear more about one such better method, let me know. Alanmiller21@gmail.com
Pamela	There are a lot of solar panels in Czech Republic where the average income is \$500, but the economic model is not the portfolio building model.
Raquel	the liberal candidate got the popular vote. we need to talk to the current decision makers not make assumptions about what they will and will not do.
Shanna	You guys are breaking up quite a bit. Will there be an archive of this webinar that we will be able to access?
Pamela	I think we need to tell them what to do, not ask.
Laura	it's here too
Matthew	Sharing this re: policy strategies: <a href="http://www.thenextsystem.org/building-community-capacity-for-energy-democracy/?mc_cid=2ce36b4895&amp;mc_eid=13ffb04686">http://www.thenextsystem.org/building-community-capacity-for-energy-democracy/?mc_cid=2ce36b4895&amp;mc_eid=13ffb04686</a>
Our Renewable Future_1	Shanna Ratner: yes a recording will be sent out.
David	Yes, Miya is gone from view.....
Joel	I don't think we want to do what was often done in the shadow of Republican Administrations--hide out in R & D. I don't think there is any evidence that Trump and his advisors are any more comfortable with research than they are with deployment. There are strong arguments to be made at the local level for distributed community systems. Also a willingness on part of people to disconnect from central establishments. We should be looking at ways to pressure elected officials between now and the 2018 mid-terms.
Joshua	Miya, we're not able to hear you.
Shanna	I would love to learn more about distributed community systems and micro grids that are community owned and/or controlled. Please email me any examples you've got and thanks very much. shanna@yellowwood.org.
Jack	Voices are breaking up.
Joel	Will do Shanna. I am preparing a number of articles and will shoot them to you as well.
Inga	to enable this small scale, community based locally owned expansion, would it not be necessary to have a legal / regulatory framework - most likely approved by PUC?

Ansel	Joel, I would also like to have access to that list. <a href="mailto:ansel.mueller@worldfuturecouncil.org">ansel.mueller@worldfuturecouncil.org</a> . Thanks so much.
Timothy DenHerder-Thomas	Inga, yes, and many states are already doing that with community solar, Pay As You Save financing, and standard contracts for community ownership of renewables
Pamela	Can we elevate the dialog about the moral imperative? Here is the values contradiction amongst conservatives. Let's create some forums for engaging.
Joel	We would--depending on where. There an increasing number of jurisdictions open to this. It is also easier to make the argument at the state/local level--more proximate the issue and constituent more likely something will happen. A simple example is how a number of PUCs have approved charges for net metering were over turned by governors and some commissioners have even lost their seats. Local power--in all senses of that term can make for a very appealing advocacy strategy/target. Ansel--have your email--will send stuff.
Per	Which media is best suited for a future of energy constraint? TV, radio, internet or print?
Dr. Alan	I think the answer to Asher's "which one do we do" question is: YES and YES
Ansel	How do we engage lower income/end of the pipe communities, such as Richmond, that have been left behind, as so many individuals in those communities have had to deal with generational disenfranchisement?
Ansel	Thank you Alan.
Shanna	Yes, Mlya. To do this right, we need to be building all eight forms of community wealth simultaneously without exploiting some to build others. We don't know how to do this yet; but we have to learn. Folks who are interested in this approach can learn more at <a href="http://www.wealthworks.org">www.wealthworks.org</a> and at <a href="http://www.yellowwood.org">www.yellowwood.org</a> . The 8 forms of wealth are social capital, individual capital, intellectual capital, natural capital, built capital, political capital, financial capital, and cultural capital.
Joel	Per, believe we have seen the power of the internet over these last months--as well as the failing of mainstream media.
Joshua	Joel. I would also love to see your work on distributed community systems and micro grids that are community owned and/or controlled, please. <a href="mailto:joshuajewett@mac.com">joshuajewett@mac.com</a> Thank you!
Inga	does anyone know how these systems - if already in place - got PUC approval
Libby	I would also appreciate that, Joel. <a href="mailto:libby.baker1@gmail.com">libby.baker1@gmail.com</a> . Thanks!
Pamela	Also interested <a href="mailto:psbosch@gmail.com">psbosch@gmail.com</a> . appreciate it.
Dr. Alan	Timothy, re your Q on scaling: Standard industrial learning curve for new technologies assumes a 10% decrease in cost for every doubling of production. Some technologies (like solar panels) have done much better than that.
Margo	Joel could you kindly add me to your list? <a href="mailto:sheppardmargo@gmail.com">sheppardmargo@gmail.com</a> Thanks!
Ariel	also interested <a href="mailto:arielarwen@gmail.com">arielarwen@gmail.com</a> . Thanks

Lorelei	Joel (and anyone else) I would also be interested in details on community energy systems and micro grids that are community owned or controlled. Please copy me lorelei.hanson@athabasca.ca
Pamela	Our politico/economic structure rewards deception in favor of consolidating power. Face-to-face evaluation of basic values deconstructs that power arrangement.
Woody	How about instead of focusing on "scale," think about localization and distributed energy resource development community by community with mechanisms like Community Choice Energy.
Timothy	Yup, but the doubling on production in renewables is not dependent on doubling of individual system size. Its doubling of industry volume. On project basis, you get most of the economies of scale for solar at 1-3MW and for wind at 5-20MW, both very community-scale projects. And if you get too much larger, you have so much more transmission and interconnection costs that create DISeconomies of scale
Per	What media is best suited to a future of energy constraint -- TV. radio, internet or print?
Dr. Alan	Timothy: I agree absolutely. It's the overall world-wise utilization of any particular technology that will determine its cost
Pamela	How do we talk to people who we think have been brainwashed?
John	John Lodenkamper: Joel, I'd also like to get your info lodenkamper@gmail.com Thanks!
Marcie	Will a recording of this be available? I am having speaker issues at work. =(
Our Renewable Future	yes a recording will be available
Our Renewable Future_1	Marcie Licea: Yes a recording will be sent to all registrants
Marcie	Great! Thank you.
Shanna	Does anyone have examples of energy sources and uses data at the community level for electricity, heat and transportation?
Peter	Don't forget JOBS and job training as a means of both getting disadvantaged communities involved in renewable energy and having those communities participate and benefit at a higher level.
Dr. Alan	At the risk of cluttering up the discussion with an unabashed plug but for something that could really help the cause that we all are working hard on, I post this here for anyone (in addition to Jack) who is interested. Let me know your comments.☺There IS a practical way to hold global warming to 2°Câ€https://www.dropbox.com/sh/77anfe6gs30df5f/AABmo0pLxeliQx5SLdzcpuDua?dl=0
Bonnie	We are looking for speakers for the climate justice portion of the Intermountain Sustainability Summit ( <a href="http://www.intermountainsustainabilitysummit.com/">http://www.intermountainsustainabilitysummit.com/</a> ) in Utah. Would love a contact to those in Black Mesa that are working on the transition to clean energy (or other speaker contacts in near by states).
Jerry	Hi Josh, pls add me to your list: rvrstrn@hotmail.com. Thanks

Jerry	Joel, that is
Joel	jerry--done
Chad	While there is tremendous urgency in such a clean energy transition, we can't lose sight of the different environment impacts not only across different energy technologies, but even within renewable energy technology. Distributed solar in already built environment has little impact on the environment, but large-scale renewable energy in ecologically or culturally sensitive areas impose great threat to local biodiversity and culture. So we need to bear in mind people, planet and its biodiversity as we transition to a clean and equitable energy economy. <a href="http://www.biologicaldiversity.org/news/press_releases/2016/solar-power-10-26-2016.html">http://www.biologicaldiversity.org/news/press_releases/2016/solar-power-10-26-2016.html</a>
Inga	will someone collect all the URLs in the discussion CHAT section and send out listing, please
Ansel	How do we prepare people to absorb the time line inherent to the transition process? Yes, you'll save money for participating but it's gonna be spread out over 20-30 time frame can be tough for people who are hand to mouth.
Our Renewable Future_1	Inga Fisher Williams: the moderated chat transcript will be sent to everyone
Shanna	Thank you, Chad. We are seeing very unjust implementation of wind energy here in Vermont. Renewable energy is not inherently good. It can be just as exploitative as anything else. Wind power brought the slaves to America.
Chad	Your welcome, Shanna! You can check out our ongoing work at <a href="http://www.biologicaldiversity.org/programs/population_and_sustainability/energy/index.html">http://www.biologicaldiversity.org/programs/population_and_sustainability/energy/index.html</a>
Libby	Thank you three!!
Ansel	Thank you for organizing Asher and taking time to present, Miya and Asher.
Joel	yes thank u all