Energy Transition with the Initiatives of Communities

Mark Glick

Hawaii State Energy Administrator

Renewable Energy Institute Symposium Tokyo, Japan September 9, 2016









Hawai'i Clean Energy Initiative

Energy independence ... it's up to us.

The LAND ...

The SEA ...

The WIND ...

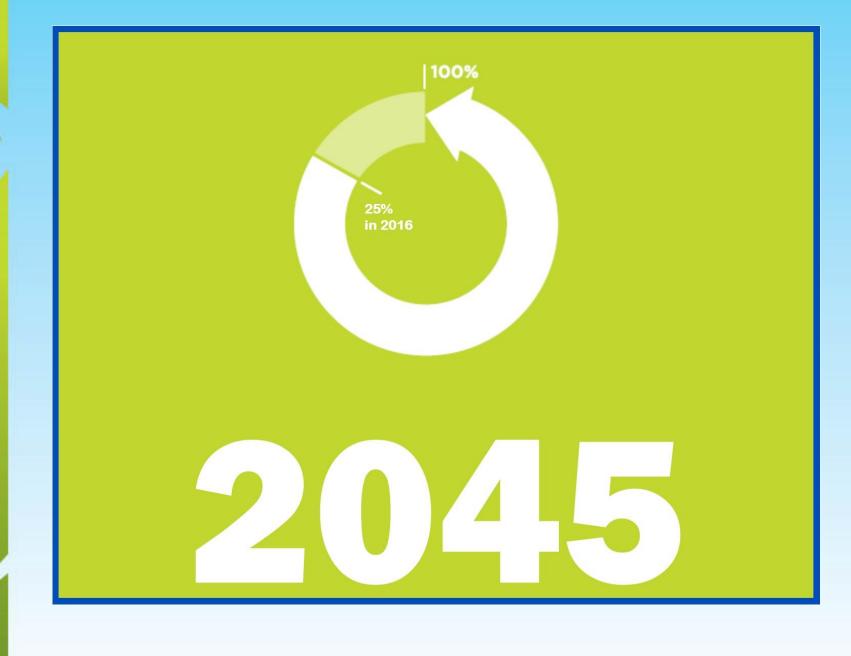
The SUN ...

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THE WALL STREET JOURNAL.

to look than Hawaii



















The Secretary of Energy Washington, DC 20585

May 10, 2016

The Honorable Brian Schatz United States Senate Washington, DC 20510

Dear Senator Schatz:

Thank you for your letter demonstrating the value of your leadership to Hawaii and your support for Hawaii's sustainable energy goals. As you know, the Department of Energy (DOE) is pleased to support Hawaii as it undertakes the most ambitious energy transition in the United States. The progress Hawaii has made to date is impressive, and is inspiring others to emulate your achievements.

The renewed Memorandum of Understanding (MOU) between Hawaii and the Department has the flexibility to assist with the wide variety of tasks and issues identified in your letter. To that end, DOE intends to continue to provide information and technical assistance, whether funded through the Office of Energy Efficiency and Renewable Energy (EERE) or the Office of Electricity Delivery and Energy Reliability (OE), and executed by the National Renewable Energy Laboratory (NREL), or any other National Laboratory, as it has since the beginning of our collaborative efforts in 2008. This MOU also provides for the relationship to evolve as Hawaii's needs change, and will allow many different programs within DOE and the national lab system to support Hawaii's energy goals.

For example, I am encouraged that one of the recent Grid Modernization Laboratory Consortium projects will directly benefit Hawaii through a research partnership that includes Sandia National Laboratories, the Hawaiian Electric Companies, and the Energy Excelerator. Research like this, determining how well inverters can enable distributed generation to support grid frequency, perfectly illustrates the potential for Hawaii's leadership to benefit its sister states, as well as other locations around the world.

I am also encouraged to know that DOE staff have already begun collaborating with Hawaii's State Energy Office on how to support the inclusive and iterative planning process identified in your letter. The visualization capabilities of the Center for Advanced Energy Studies at Idaho National Laboratory and the Insight Center at NREL's Energy Systems Integration Facility, provide an exciting opportunity to broaden the reach of complex energy modeling to involve more stakeholders throughout Hawaii. When successful, this approach of making the results of energy models hields immatful and readily understood stands to benefit policymakers, utilities.









Mahalo

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