# Maui Smart Grid

This is an ongoing Hawai?i Natural Energy Institute (HNEI) project with the US Department of Energy. In addition to HNEI, project partners include Hawaiian Electric Company, Maui Electric Company (MECO), and General Electric Company. It includes government funding of $7 million plus cost sharing by the project partners to the amount of $7.4 million, for a total project funding of $14.4 million. The project involves the use of smart meters and smart grid technology as applied to a selected area on Maui in the MECO electric grid. This application will include a demonstration of the ability to utilize greater renewable energy in the electric grid and will provide other benefits to the MECO grid and its customers, including cost reduction.

The primary HNEI contacts for this project are Leon Roose [1] and Christan Rawson. [2] For more information concerning the project, see the Maui Smart Grid [3] pdf document. A related Smart Grid effort can be seen in the HNEI Smart Grid Inverters for High-Penetration Photovoltaic Applications [4] project. For general information about our grid systems research activities, see the Grid Systems [5] research area of our website.

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**Links:**
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[2] http://www.hnei.hawaii.edu/staff/james-christian-rawson
[3] http://www.hnei.hawaii.edu/sites/web41.its.hawaii.edu.www.hnei.hawaii.edu/files/page/2011/09/120925%20One%20pager%
[4] http://www.hnei.hawaii.edu/projects/smart-grid-inverters-high-penetration-photovoltaic-applications
[5] http://www.hnei.hawaii.edu/research/grid-systems