



## HOUSE OF REPRESENTATIVES

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Testimony Regarding Preliminary Scoping Meeting for the Interisland Cable  
By Representative Cynthia Thielen  
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I am submitting testimony regarding the location of the interisland cable's onshore connection at Kaneohe Marine Corp Base Hawaii at Kaneohe (MCBH). MCBH is currently the site of Hawaii's first Wave Energy Converter (WEC), and additional WECs are in the planning stage to be deployed at MCBH. Furthermore, a Wave Hub, which is an interconnecting device that provides multiple berths for WECs to plug-in and use the same cable infrastructure, is under consideration for the MCBH site. Therefore, any landing site for the interisland cable must not interfere with or impede wave research, development, or installation.

### 1. The Hawaii National Marine Renewable Energy Center

In 2008, the University of Hawaii won a prestigious \$5,000,000 award from the U.S. Department of Energy to develop one of two National Marine Renewable Energy Centers (HINMREC). HINMREC has identified MCBH as a site of preference for a Wave Hub, and the Wave Hub will provide berthing for as many as four wave energy conversion devices in the 300 to 500 KW range.

### 2. Wave Energy is a Developing Technology: Examples of Other Projects

#### a. Oregon Wave Park, Reedsport, Oregon

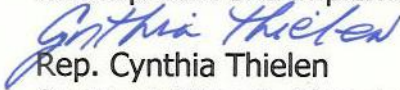
Ocean Power Technologies (OPT) will deploy a full-scale 150 kW buoy system summer 2011 in the Oregon Territorial Sea, and collect two years of detailed operating data. This project will obtain critical technical and cost performance data for one of the most advanced wave energy converters in the U.S.

b. Wave Hub—Southwest England

The European Wave Hub is located off Cornwall, England, and provides a grid-connected area of sea for demonstration of arrays of wave energy conversion devices. The Wave Hub is located 10 miles offshore in a depth of 50 meters, and is engineered for 50 MW. Once fully deployed, it will provide energy for about 17,000 homes. The Wave Hub completed construction in November 2010, and is now preparing for its first WEC installment.

3. Renewable Portfolio Standards Means More than One Renewable Energy Strategy

The Interisland Wind Project should not preclude the siting or development of other renewable strategies. Rather, different renewable energy strategies should work cooperatively so that we can reach our common goal of sustainable energy in Hawaii. If the committee chooses the MCBH for the interisland cable on-shore connection, it must not disrupt or in any way interfere with established WECs or plans for future development and implementation energy technology.



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