

A presentation of the U.S. Navy's Wave Energy Test Site (WETS)

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Abstract

The U.S. Navy's Wave Energy Test Site (WETS) in Hawaii is now fully operational, with three grid-connected berths. Several companies have been selected for testing. The Hawaii Natural Energy Institute (HNEI) is supporting Navy and DOE WETS objectives, and Patrick Cross of HNEI will present observations and lessons learned from the first wave energy conversion (WEC) device deployed (the Northwest Energy Innovations Azura, deployed in May 2015), an update on the status of the Fred. Olsen Lifesaver, to be deployed soon, a summary of environmental measurements, wave forecast and WEC device modeling work, and an outline of expected WEC deployments and other planned activities, including the development of an ROV-equipped site-dedicated support vessel.