



INTERNATIONAL CONFERENCE ON ENERGY STORAGE TRENDS AND OPPORTUNITIES

September 12-13 2016
Sheraton Kona at Keauhou Bay
Kailua-Kona, Hawaii



OVERVIEW

The Natural Energy Laboratory of Hawaii Authority (NELHA) and the County of Hawaii invite your participation in the first NELHA Energy Storage Conference.

The State of Hawaii is striving to reach 100% clean energy by 2045. In doing so, it is securing a position of leadership in the clean energy economy, including the use of energy storage to address increasing amounts of variable resources brought into the grid. This conference will bring together experts from US National Laboratories, academia, government and industry to present energy storage technologies and applications and consider opportunities and challenges.

In addition to examining world and national trends, this event will focus on energy storage and microgrid initiatives, issues and projects in the Hawaiian Islands and specifically on the Big Island of Hawaii. The meeting will include presentations by leaders in the field as well as site visits to installations.

Conference Goals:

- Present the latest information on the state of energy storage, in particular with respect to grid modernization;
- Assess and compare progress of energy storage demonstrations and implementations in Hawaii with those in other parts of the country;
- Examine the economics of energy storage;
- Discuss opportunities for projects within the State of Hawaii, the Island of Hawaii; and
- Discuss regulatory and policy issues affecting the implementation of energy storage in Hawaii.

The conference agenda will include one full day of presentations and panel discussions which will consider existing case studies to examine issues of reliability, power quality, distribution and generating capacity. The conference will also include a full day of visits to site demonstrations at NELHA and elsewhere. The site visits will include NELHA's energy storage test bed, its ocean thermal energy conversion (OTEC) facility, and energy storage support for a large sea water desalination plant.