



Ka Hei is a specific type of snare made with ropes, and is what the Hawaiian god Maui used to capture the sun in the Hawaiian tradition.

Another meaning is "to absorb as knowledge or skill."

















Fast-Track Solar PV		
Month	Cumulative HECO Approvals	 34 Net Energy Metered (NEM) for 30 schools submitted in April and May
June	1	and may.
July	4	 Due to continued delays, OpTerra began final engineering ahead of HECO approval.
August	4	 Solar installer RFP and Power
September	6	Purchase Agreement (PPA) provider RFP issued in December.
October	7	Construction will begin after
November	26	execution of PPA by DOE and OpTerra
Ka Hei		

Fast-Track Energy Efficiency Measures

- Implementation of energy efficiency measures that do not require substantial monitoring and design
 - Lighting
 - Plug load controls
 - 。 Solar water heating
- Audits have been completed for the first 30 schools





Net Zero Schools with Energy Storage

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- Ability for schools to:
 - Increase energy resiliency and reliability with energy storage
 - Maximize renewable energy
 - Facilitate interconnection with the electric utilities
 - Achieve an annual net-zero footprint
- Facilitate renewable energy integration in the community
 - Ancillary services and demand response capabilities that can assist the utility
 - Potential for utility dispatch of energy storage to allow more renewable energy integration



Pilot Supplementary Curricula

• Four main elements:

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- Hands-On Learning
- Real World Application
- Inquiry-Based Learning
- College and Career Readiness
- Standards-aligned lesson plans (Common Core, Next Generation Science Standards)
- Professional development training and credit
- On-going teacher support and feedback

Ka Hei



Creating Partnerships

- Maui Economic Development Board
 - Island Energy Inquiry
 - Women in Technology
- Kauai Economic Development Board
- University of Hawaii
 - Kukui Cup
- Kokua Hawaii Foundation
- Kupu Hawaii
- Hawaii Energy



Phase 1 Metrics 800 students participating in the 2 MW of renewable energy installed program 5 MWH of energy use reduction through installation of energy 35 lesson plans implemented . efficiency measures 40 schools participating in some . \$1 Million energy cost reduction realized 12 months after aspect of Phase 1 (facility upgrades or education) completion of construction 450 ton reduction in Greenhouse 50% reduction of HECO Gas Emissions electricity purchase reduction at Phase 1 schools \$7.5 Million in local spending . 26 teachers receiving increase Professional Development Training Ka Hei 18

