

Customer-Based Solutions for the Hawai`i Electric System

Empowering consumers to solve the technical
and policy challenges required to achieve
Hawaii's clean energy future

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The Alliance for Solar Choice

- Member Companies

- SolarCity Corporation
- Sunrun Inc.
- Solar Universe Inc.
- Sungevity Inc.
- Verengo Inc.
- Demeter Power Group

- Investment in Hawai`i

- Over 10,000 residential, school, government and commercial installations in the State
- Collectively employ hundreds of Hawai`i residents.

Hawai`i Solar Integration

- Hawai`i leads the nation in the integration of residential and commercial PV systems.
 - Over 18% daytime DG integration
 - Reduces more than 200 MW of peak load
- Result of strong consumer interest in solar
- Further adoption hampered by inability to interconnect to Hawaiian Electric Company

Grid Modernization Efforts

- Hawai`i – numerous PUC dockets
- Other states...
 - California – Distribution Resource Planning
 - New York – Reforming the Energy Vision
 - Arizona – DER Impacts on Utility Business Model
 - Massachusetts – Grid Modernization
- Electric utilities have a long history of evolving to meet changing consumer needs

The Public Interest

- The consumer interest and public interest in electric energy are one and the same
 - Consumer interest is manifest in personal choices regarding energy supply
 - Consumer interest is also expressed through decisions of elected and appointed officials
- Hawai`i policy goals
 - Grid Modernization legislation – HB 1943
 - Public Utilities Commission’s *Inclinations on the Future of Hawaii’s Electric Utilities*

Consumer Focus

- Hawaiian Electric Companies' Distributed Generation Interconnection Plan
 - “the Companies propose to take significant steps toward increasing DG growth on the islands in a proactive, fair, reliable and sustainable way.”
 - “will result in increased options for customers, and will lead to greater opportunities for all customers to participate in solar programs.”
- When? At what cost?

Simple, Low Cost, Near Term Solutions

- Customer-Based Solutions for the Hawaii Electric System
 - Empower consumers to solve technical and policy challenges to achieve Hawaii's clean energy future
 - Concrete, low cost, easy to understand solutions that can be implemented immediately

Customer-Based Solutions

- Maintain net metering
- Consider increase in minimum bill amount
- Implement TOU rates
- Fast track interconnection of DG systems that do not export, provide ancillary services and shift exports to on-peak times
- Allow DERs to participate in demand response programs

Customer-Based Solutions

- Maintain utility revenue decoupling
- Treat customer-sited distributed energy resources as load modifications and proactively plan for customer adoption
- Move to performance-based incentives for compensating the utilities

Mahalo

