HAWAII: THE STATE OF CLEAN ENERGY

The State of Clean Energy

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State of Clean Energy

• Where We Stand and
• Where We Are Headed
State of Clean Energy

• Highest Electricity & Highest Gas Prices in US
• Cost of Oil and Petroleum Products High and Likely to Remain High in Short Term
• Long-term, Cost Will Go Up & Continue to Go Up
• To Minimize Impact of High Oil Prices & Meet RPS Requirements Need All Renewables
• Starting to Make Progress: Need to Maintain Momentum and Collaboration
Maui residential bill (600 kwh)

HECO
Gas Prices in Hawaii

http://www.hawaiigasprices.com/retail_price_chart.aspx
HCEI 70% Clean Energy Goal

Electricity Sector
40% RPS by 2030

Strategies:
- Align regulatory and policy framework with clean energy goals
- Increase process certainty in developing new RE
- Deploy RE and grid infrastructure
- Explore next gen technologies and new applications

Interim Targets ...
Accomplishments ...
Important Actions ...

Efficiency Sector
30% EEPS by 2030

Strategies:
- Align regulatory and policy framework
- Retrofit residential and commercial buildings
- Strengthen new constructions policies / building codes
- Identify non-building related energy efficiency measures

Interim Targets ...
Accomplishments ...
Important Actions ...

Transportation Sector
Displace 70% Petroleum by 2030

Strategies:
- Accelerate EV and H2 vehicle and infrastructure deployment
- Increase renewable fuel use in the transportation sector
- Improve vehicle fleet efficiency
- Reduce vehicle miles travelled

Interim Targets ...
Accomplishments ...
Important Actions ...

Fuels Sector
Meet In-State Demand for Renewable Fuels

Strategies:
- Support development of local agricultural industry
- Invest in key infrastructure at scale
- Evaluate and develop renewable fuel processing infrastructure
- Match potential fuel supply with In-State demand

Interim Targets ...
Accomplishments ...
Important Actions ...
New Distributed Renewable Energy Systems Installed in Hawaii Annually 2001-2010

4,336 Distributed Renewable Energy Systems Total
28.7 MW Installed Statewide

Source: Net Energy Metering Status Reports, 2010 (Public Utilities Commission)
Hawaii Energy Efficiency Improvements 2005-2010

ENERGY EFFICIENCY PORTFOLIO STANDARD GOAL: 30% BY 2030

Source: Renewable Portfolio Standards Status Reports, 2005-2010 (Hawaii Public Utilities Commission)
What Do We Need to Do

• **Keep Up the Momentum**
  – Support PUC, DCA, DBEDT, County Government
  – Maintain Incentives
  – Build Broad Public Support
    • HNN, Hawaii Energy, Utilities, HEPF

• **Continue Collaboration and Cooperation**
  – Legislature, Executive Branch, Stakeholders