PUBLIC BENEFITS FEE ADMINISTRATOR

Program Executive Briefing

January 21, 2011
Hawaii Energy Team
Public Benefits Fee Administrator (PBFA)

Management Team
H. Ray Starling – Program Manager
Michael Chang – Deputy Program Manager
Derrick Sonoda – Director of Operations
Kathryn Clark – Business Office Manager

- Demand Side Management Program
- Public Benefits Fee & Administrator established for Honolulu, Hawaii & Maui
- SAIC / R.W Beck successful bidder
- Contract signed with PUC 3 Mar 2009
- Contract ends 31 Dec 2013
  (possible extension to 2016)
- SAIC took over program from electric utilities on July 1, 2009
- DBA “Hawaii Energy”
PY2010 Focus and Initiatives

- Conservation and Behavior Change
- Other 3 BIGGIES: lighting, AC & solar HW
- Real-time energy measurement
- Energy challenges – HI National Guard
- Targeted initiatives to move things
- Energy Efficiency Portfolio Standards
Projected State of Hawaii Electricity Requirements

- Conservation & Efficiency 30%
- Renewable Fueled Generation 40%
- Fossil Based Generation 30%

Energy Consumption (Million MWh)

- Efficiency
- Ocean energy
- MSW
- Solar - utility scale
- Solar - commercial roofs
- Solar - residential roofs
- Hydro
- Geothermal
- Wind
- Biomass - direct firing
- Oil

Year:
- 2008
- 2010
- 2020
- 2030
OVERALL ENERGY PICTURE

Chart 5 - PY2009 Projected PY2009 Performance projected to 2030 EEPS Target

Projected PY2009 PBFA vs. HCE1 Target for EEPS

- Annual Energy Baseline (DBEDT/HECO IRP3)
- Annual Energy Efficiency & Conservation Target (DBEDT)
- Annual PBFA Program Gross Energy Impact Projected at PY2009 Levels

State Electrical Energy Consumption (kWh)

2005 2010 2015 2020 2025 2030 2035

16,000,000,000 14,000,000,000
12,000,000,000 10,000,000,000
8,000,000,000 6,000,000,000
4,000,000,000 2,000,000,000
14,350,280,000
15,348,141,278
10,214,386,088

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ORGANIZATIONS WORKING TOGETHER

- The Kohala Center
- Hawaii Youth Conservation Corps
- CNHA
- HTDC-MEP
- Blue Planet Foundation
- Board of Water Supply
- HCAP
- Maui Economic Opportunity, Inc.
- Office of Community Services
- Department of Hawaiian Home Lands
- U.S. Department of Housing and Urban Development
- Kanu Hawaii
• We are looking to get everyone to be a part of the solution

• Increasing residential offerings
  – Whole house fans
  – Solar Water Heating Tune-ups
  – Lighting Sensors
  – Whole house energy monitoring
  – Financing for Solar Water Heating system
  – Behavior changes

• Moving Commercial Projects
  – Increasing incentive levels
  – Special offerings for neighbor island
  – Leveraging funds (ARRA, MEP)
  – Finding people or groups that can overcome obstacles
CAN THIS SUPPORT A CLEAN ENERGY INDUSTRY?

• Yes, with everyones help.
Mahalo