

Hawaii State Energy Office

Transforming Hawaii's clean energy future

Mark Glick, Energy Administrator



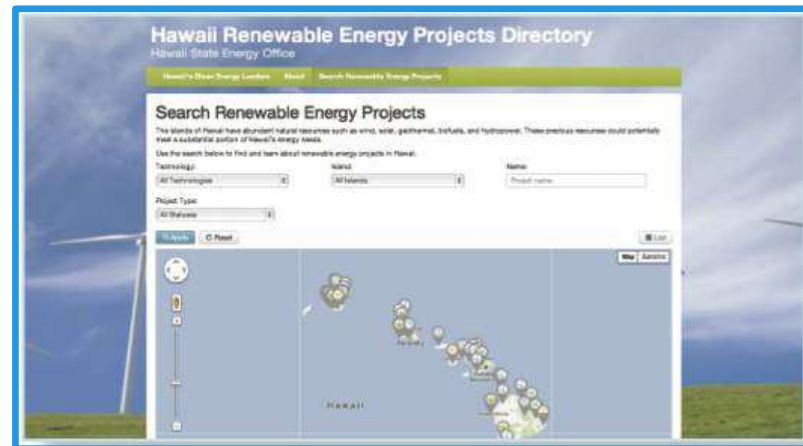
Hawaii's state of clean energy

- ◆ Island's geography and location—a challenge and blessing
- ◆ Most oil dependent state in the nation



Hawaii State Energy Office

- 🍃 Driving Hawaii's energy economy
- 🍃 Accelerate a project's journey from concept to market
- 🍃 Tools and technical assistance to developers and investors
 - 🍃 Self-Help Energy Suite



Cause for Action

- ◆ Economic opportunities
 - ◆ Retain income
 - ◆ Stimulate industry
 - ◆ Create jobs
 - ◆ Reduce cost of energy
- ◆ Energy security
 - ◆ Replace imports with indigenous clean energy





Balanced Approach

- ◆ Diversifying our energy portfolio
 - ◆ High impact solutions
 - ◆ Respects community values, culture and environment

Strategy for Action

Hawaii Clean Energy Initiative (HCEI)

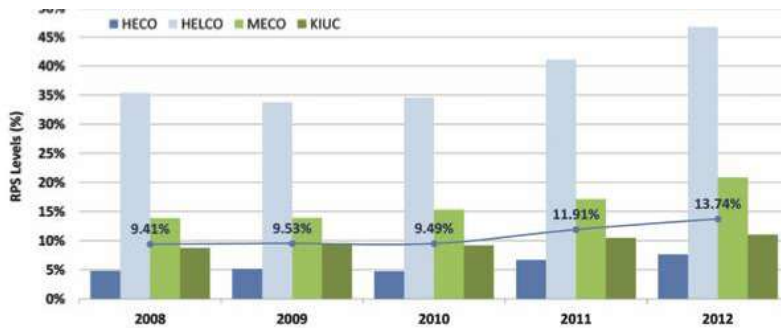
40% Renewable + 30% Efficiency =
70% Clean Energy by 2030
70% Less Petroleum

- 💧 Hawaii is going beyond HCEI on renewables

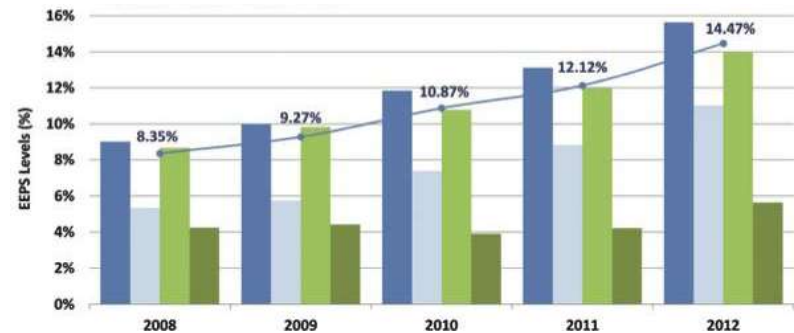


Making Progress

Renewable Portfolio Standard (RPS)
2012: 13.74%

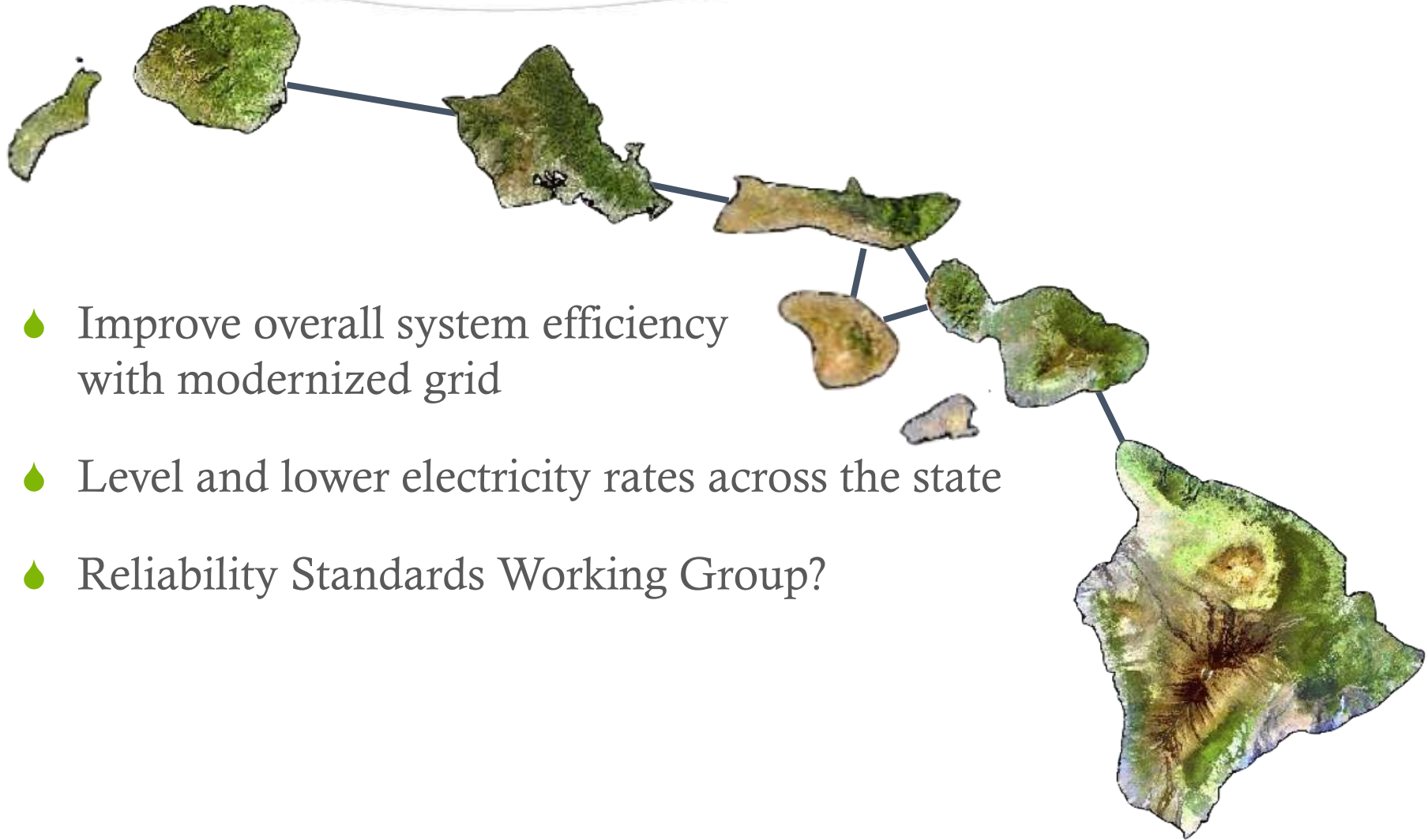


Energy Efficiency Portfolio Standard (EEPS)
2012: 14.47%



- 💧 1st in the nation—Performance Contracts; Solar water heaters per capita
- 💧 2nd in the nation—Clean energy attractiveness; Photovoltaic capacity; Energy savings power purchase agreements per capita
- 💧 3rd in the nation—Clean energy job growth

Integrating renewables into the grid



- ◆ Improve overall system efficiency with modernized grid
- ◆ Level and lower electricity rates across the state
- ◆ Reliability Standards Working Group?

Interconnection

- ◆ Oahu–Maui Interisland Cable Transmission Grid Tie



- ◆ Programmatic Environmental Impact Statement (PEIS)
 - ◆ Guiding document for US DOE based on community input
- ◆ Smart Grid project



Summary



Clean energy can transform Hawaii's economy