Answering the Energy Mix Question & Challenges in Implementing the “Right Energy Mix”

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The Evolution of Hawaii’s Energy Policy and Energy Resource Mix

Key Lessons:
- Early adoption of technology
- Grow RE and EE sectors
- RE integration is possible

Key Policy Drivers: RPS, PBF, NEM

Chapter 1

Hawaii Energy Program Savings

Chapter 2

Additional Policy Drivers: EEPS, EPA and GHG rules

Key Goals:
- Reduce/stabilize cost of electricity
- Diversify fossil fuel mix to meet emissions rules
- Continue RE and EE growth
- Expand tools to integrate RE & increase EE

2002

DSM

Renewables

Oil

Coal

2012

2030

Energy Efficiency Portfolio Standard

Renewables

New Projects

Fossil Fuels
Drive & Implement Energy Policy

Act 99,2012
Diversify, optimize & minimize the use of fossil fuels (60%)

INTEGRATION
maximize utilization & efficiency of all assets

RPS
Diversify, optimize & increase the use of renewable resources (40%)

EEPS
Electricity use reduction (30%)

Balance Competing Objectives
Affordability-Reliability
Utility – Ratepayer

To achieve our desired goals