

County of Kaua'i

On the bus to our clean energy future



Holo Holo 2020

Growing Kaua'i responsibly.

Ben Sullivan Kauai County Energy Coordinator
Office of Economic Development
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What makes our situation unique?



- A strong community-owned cooperative
- No planned interconnection to the other Islands
- The highest electricity rates in the State
- Island wide AMI deployment
- Relatively small overall demand
- Very high RE Penetration Levels





Working from the Inside Out

Energy Opportunities on the Garden Island

Step 1 - Improve County data & information systems and energy mgmt capacity

Step 2 : Use less oil (efficiency + TOU)

Step 3: Work with KIUC & capture more clean energy

Step 4: Expand efforts into community/continue development of County energy plans & policies



How far can we get?

A closer look at Kaua'i County immediate, in-house opportunity
(figures below are annual energy savings/production)

efficiency

Wastewater– 25% reduction – 1150 MWh

PW/Parks - 25% reduction -1430 MWh*

Streetlight replacement 50% reduction – 880MWh

Water Dept. 25% reduction – 1875 MWh***

Clean energy

PV generation – 1.7MW (10% of CoK usage)

**Kekaha LFG –800,000 dge/year use for vehicles and/
or cogeneration**

30% reduction from efficiency by 2023 (or sooner)



What Do We Need Help With?

1. Energy Efficiency Planning
2. Regulatory discretion towards KIUC (HB 815/SB1045)
3. Assistance – ESPC evaluations, Landfill Gas Development, Streetlighting, Electric Vehicle Infrastructure Development, Piloting time based rates
4. Funding to expand energy services staff
5. Come over & visit occasionally

Mahalo