County of Kaua‘i

On the bus to our clean energy future

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http://www.kauai.gov/Portals/0/Mayor/HoloHolo2020/HH2020malamakauai2.pdf
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
**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)

- **Wastewater** – 25% reduction – 1150 MWh
- **PW/Parks** – 25% reduction -1430 MWh*
- **Streetlight replacement** 50% reduction – 880MWh
- **Water Dept.** 25% reduction – 1875 MWh***
- **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)

3/15/2013
What Do We Need Help With?

1. Energy Efficiency Planning
2. Regulatory discretion towards KIUC (HB 815/SB1045)
4. Funding to expand energy services staff
5. Come over & visit occasionally

Mahalo