

REQUEST FOR PROPOSALS

FOR

NORTH KOHALA

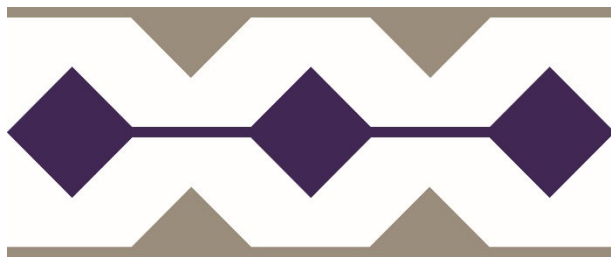
ENERGY STORAGE

ISLAND OF HAWAI‘I

MARCH 24 2023

Docket No. 2022-0012

Appendix K – Community Comments




**Hawai‘i
Electric
Light**

North Kohala Community Meeting Feedback (written comments received by Hawai'i Electric Light Co., Ltd.)

The Company held two community meetings, a Resilience and Sustainability Forum on November 7, 2019 and Building Resilience in North Kohala meeting on August 6, 2019. Provided below are the presentations used by the Company at the meetings, as well as question cards received from the community from the November 7, 2019 meeting.


November 7, 2019 - Resilience and Sustainability Forum Presentation



RESILIENCE AND SUSTAINABILITY FORUM
A community discussion on energy, agriculture, water, and emergency preparedness

E KOMO MAI!

Please enjoy dinner prepared by Kohala High's culinary students
and visit the information and activity booths.
The forum begins at 6:30 p.m.



Hawai'i
Electric
Light

North Kohala Community
Development Plan Action Committee



RESILIENCE AND SUSTAINABILITY FORUM

A community discussion on energy, agriculture, water, and emergency preparedness

November 7, 2019
Kohala High School



North Kohala Community
Development Plan Action Committee



JEFF COAKLEY

North Kohala Community Development Plan Action Committee

SHARON SUZUKI

Hawai'i Electric Light

SHERRY BRACKEN, moderator

Hawai'i Public Radio, New West Broadcasting (KWXX, B97-B93)

DR. TIM RICHARDS

Hawai'i County Council

LAUREN RUOTOLO

Hawai'i Institute of Pacific Agriculture

TALMADGE MAGNO

Hawai'i County Civil Defense

KEVIN WALTJEN

Hawai'i Electric Light

Q&A SESSION

CLOSING REMARKS

Welcome and Introductions

*Moderator Sherry Bracken
Hawai'i Public Radio, New West Broadcasting (KWXX, B97-B93)*

Dr. Tim Richards

*Hawai'i County Council
Chair of the Committee on Agriculture, Water, Energy and Environmental Management
Vice Chair of the Committee on Finance*

Hawai'i Institute of Pacific Agriculture

Lauren Ruotolo
Director of Development

Hawaii Institute of Pacific Agriculture's role in the Food System

Farmers



Educators



Aggregators



FARM



YOUTH EDUCATION

- Farm Field Trips
- In-School Workshops



YOUTH EDUCATION

- Mahi'ai Mentorship & Internship Program



Garden to Cafeteria & Farm to School



Post-Secondary Education

- Farmer Apprenticeship



Food Aggregation

- The Kohala Food Hub



The Kohala Food Hub



Looking Ahead

More info:
www.hipagriculture.org
institute@hipagriculture.org



Hawai'i County Civil Defense

Talmadge Magno
Administrator

Hawaii County Civil Defense

Talmadge Magno, Administrator
808-935-0031
Talmadge.Magno@hawaiicounty.gov

Aloha!

- Mission
- All Hazards
- Coordination of Communications and Education
- Coordination of Government, Public and Private Partners

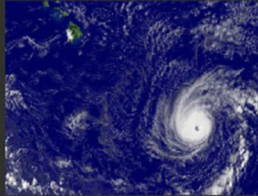
Mission:

- **Prepare for and Respond to Emergencies and Disasters**
 - Establish Resilient Communities
- **Provide Emergency Communications and Public Information**
 - Establish Redundant Systems
- **Direct and Coordinate Planning, Response and Recovery actions**
 - Establish Comprehensive Plans

Export P

Responds to all hazards and associated risks...

- Earthquake
- Tsunami
- Tropical Cyclone
- Wild Fire
- Flash Flood
- Lava Flow
- Vector-borne Disease
- Dam Failure
- HAZMAT

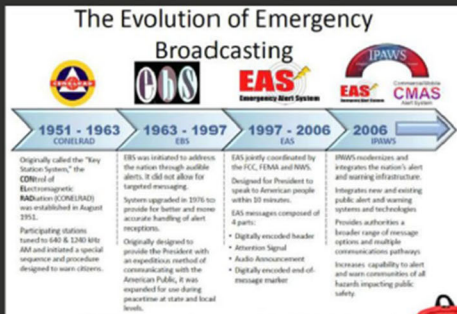


2008 Earthquake - 6.7 mag



Critical Functions of Civil Defense

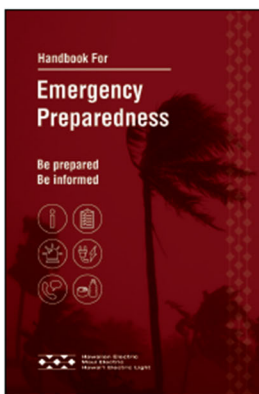
- Mass Notification
 - IPAWS
 - EAS
 - Everbridge
 - Facebook
 - Twitter
 - Na Leo TV and Online Website
 - Outreach and Education



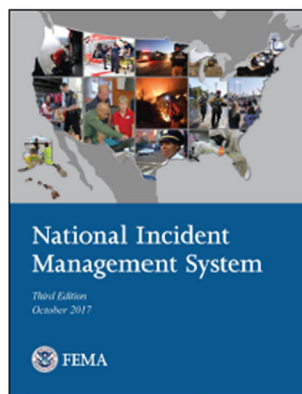
Hawai'i Electric Light

Kevin Waltjen
Director – Hawai'i Island

3 Pillars of Resilience



**COMMUNITY
PREPAREDNESS**



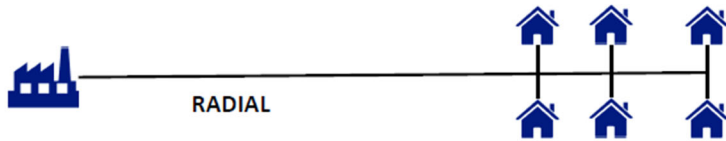
**GOVERNMENT
PREPAREDNESS**



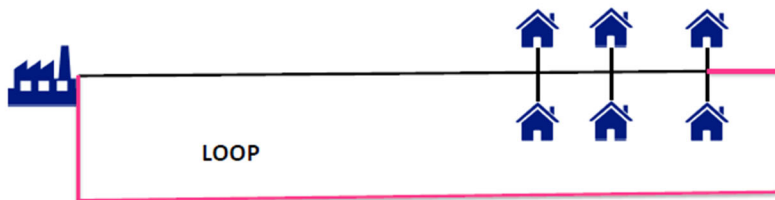
**RISK
REDUCTION**



Energy transmission systems



RADIAL

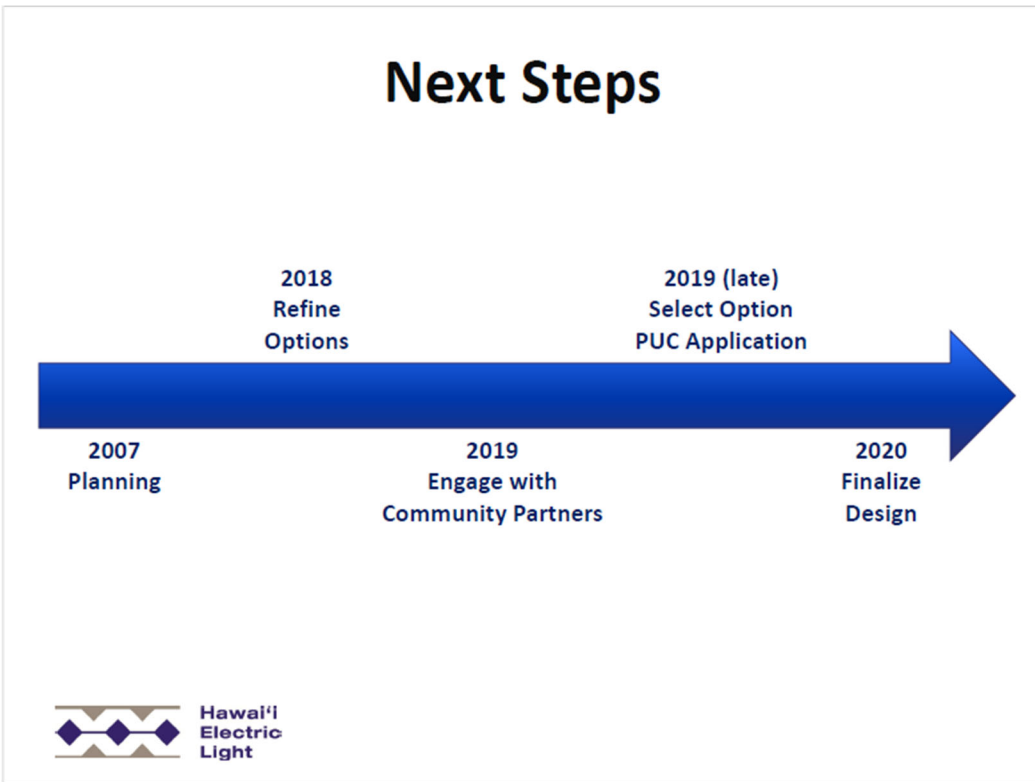
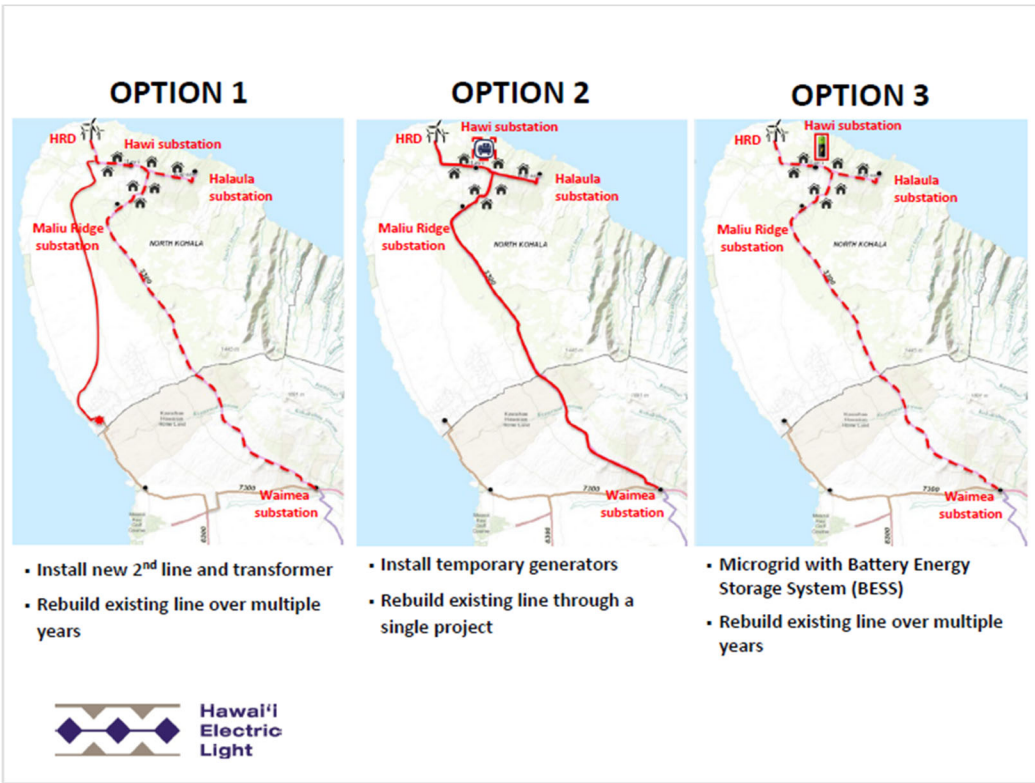


LOOP



Current North Kohala Transmission System





Q&A Session

Please write your question on the card provided and hand it to one of the event staff. Questions will be read by our moderator.



Mahalo!

November 7, 2019 - Resilience and Sustainability Forum Question Cards
*Names have been redacted.

Please PRINT your question(s) below.
This card will be collected during the Q&A portion of tonight's forum. Mahalo!

HELCO
DO YOU MARK UP THE PRICE OF OIL YOU BUY FOR ELECTRICITY GENERATION? ?

HELCO
CAN THE SECOND LINE USE THE SAME ROUTE EVEN SAME POLES OR SECONDARY POLES?

Please PRINT your question(s) below.
This card will be collected during the Q&A portion of tonight's forum. Mahalo!

How much is this going to cost each family?
Will our electricity increase dramatically?
It's already expensive. We may not be able to afford an increase.

Please PRINT your question(s) below.

This card will be collected during the Q&A portion of tonight's forum. Mahalo!

- ① Is the current power demand for Kohala at a level that can be sustained using the micro-grid option? Are there any plans to help reduce our power demands prior to the start of the project?
- ② It sounded like the biggest downside to option 1 (and line) was that it would be an eyesore? Is there a possibility of burying the power lines for the loop portion? Is the micro grid option more cost effective overall?

Please PRINT your question(s) below.

This card will be collected during the Q&A portion of tonight's forum. Mahalo!

What about developing a microgrid system that can be used more permanently - not just for emergencies - making use of local wind/solar to reduce use of fossil fuels?

Please PRINT your question(s) below.

This card will be collected during the Q&A portion of tonight's forum. Mahalo!

Are there any plans to install reliable EV charging stations in N. Kohala to create a reliable network of charging stations throughout the island so that owning an EV on island is possible.

Please PRINT your question(s) below.

This card will be collected during the Q&A portion of tonight's forum. Mahalo!

█ : How much agriculture required to run all tractors on biodiesel trucks

█ : How much electric production to run all cars on electricity

Please PRINT your question(s) below.
This card will be collected during the Q&A portion of tonight's forum. Mahalo!

How much does climate change figure into the plans for our future?

HELCO:

Please PRINT your question(s) below.
This card will be collected during the Q&A portion of tonight's forum. Mahalo!

with Option 3
will HELCO be able to
use the full energy production
of the wind farm?



Please PRINT your question(s) below.
This card will be collected during the Q&A portion of tonight's forum. Mahalo!

As HELCO moves forward
in this Kohala project, how will
you keep the Kohala community
informed about progress?
How can we give input on this
project?

POWER

What are the plans AND timetables
for getting off fossil fuels completely
and moving to geothermal energy.

Please PRINT your question(s) below.
This card will be collected during the Q&A portion of tonight's forum. Mahalo!

Please PRINT your question(s) below.

This card will be collected during the Q&A portion of tonight's forum. Mahalo!

THE COMMUNITY IS CONCERNED ABOUT HEALTH RISKS FROM ELECTRO-MAGNETIC RADIATION. ESPECIALLY FROM "SMART METER" AND THE IMPLEMENTATION OF 5G CELLULAR INFRASTRUCTURE.
HOW CAN WE PROTECT OUR COMMUNITY FROM THIS RADIATION AND MAINTAIN PEOPLE'S POWER TO CHOOSE WHAT THEY'RE BEING EXPOSED TO?

Please PRINT your question(s) below.

This card will be collected during the Q&A portion of tonight's forum. Mahalo!

There is a lot of talk about the dangers of 5G electrical distribution. Please tell us what the negative possibilities & effects will do to the human body.

Please PRINT your question(s) below.

This card will be collected during the Q&A portion of tonight's forum. Mahalo!

Is there a plan to maintain this "regenerated agriculture" after the field trips and lessons? Most of Kohala's community find it ~~more~~ ^{more} cost efficient to buy their food in bulk from manufacturers like Costco. Will this plan include provide affordable produce for everyone in the community?

Agenda

- ◆ Welcome and introductions
- ◆ Building Resilience in North Kohala
- ◆ Hawai'i Energy
- ◆ Feedback
- ◆ Closing remarks



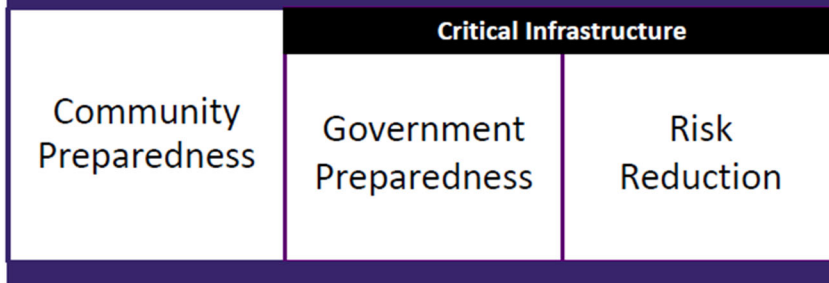
Building Resilience in North Kohala

A collaborative approach to strengthening our communities



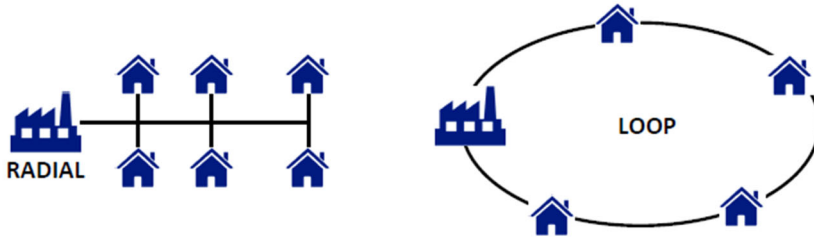
Hawaiian Electric
Maui Electric
Hawai'i Electric Light

3 Pillars of Resilience



Hawaiian Electric
Maui Electric
Hawai'i Electric Light

Energy transmission systems



 Hawaiian Electric
Maui Electric
Hawai'i Electric Light

Current North Kohala Transmission System



OPTION 1

- Install new 2nd line and transformer
- Rebuild existing line over multiple years

OPTION 2

- Install temporary generators
- Rebuild existing line through a single project

OPTION 3

- Microgrid with Battery Energy Storage System (BESS)
- Rebuild existing line over multiple years

**Hawaiian Electric
Maui Electric
Hawai'i Electric Light**

Microgrid with BESS



Next Steps



Hawaiian Electric
Maui Electric
Hawai'i Electric Light



Graceson Ghen
Graceson.ghen@leidos.com
808-895-6713

Leidos Proprietary




hawaiienergy.com

Residential Rebate Offerings

QUICK FIXES: SHOP SMARTER AND SAVE MONEY WITH THESE PRODUCTS

Make sure to look for ENERGY STAR® certified products to get the most bang for your buck! Need help finding a rebate? We got your back.



LED Light Bulbs

Not all LEDs are created equal. ENERGY STAR® certified bulbs last longer and **save you up to 90% on energy costs.**

Clothes Washers & Dryers

Save loads of money and energy by upgrading to an energy efficient washer and dryer. Purchase an ENERGY STAR® certified washer and/or dryer for cutting edge technology alongside the highest energy efficiency savings possible.

Refrigerator Trade-Up

SAVE \$50

Get a rebate when you trade in your old, working, energy-draining refrigerator for a qualifying ENERGY STAR model.

Electronics Offer

Purchase ENERGY STAR sound bars and TVs that'll boost your home's energy efficiency, protect the environment, and save you money!

Window AC Trade-Up

SAVE \$50

Trade an old, working window AC unit for a qualifying ENERGY STAR one and save.

Rid-A-Fridge

NOW RECEIVE \$75

If you just want to get rid of that old, working fridge or freezer, we'll recycle it for you. We'll even pay you up to \$75 for each one through the Rid-A-Fridge program.

Heat Pump


SAVE \$500

Heat pump water heaters can be 3-5 times more efficient than conventional electric water heaters, saving you money!

Smart Thermostats

Save on your home's cooling costs by replacing your old thermostat with a new smart thermostat. You can "set it and forget it" for ease of use, convenience and energy efficiency.

WHO DOESN'T LIKE FREE MONEY?



Laidis Proprietary

Residential Rebate Offerings

PRO UPGRADES: LET US HELP YOU FIND A CONTRACTOR FOR THESE ENERGY-SMART INSTALLATIONS

WATER HEATING UPGRADES	COOLING & POOL UPGRADES
<p>Solar Water Heater NOW SAVE \$750</p> <p>Switching from an electric water heater to a solar water heater can save you up to 40% on your electric bill per year. Plus, you'll earn state and federal tax credits!</p>	<p>AC Tune-Up Offer NOW SAVE \$100</p> <p>Keep your home's central or split-air conditioning system running in tip-top shape by booking a maintenance tune-up. When you do, you'll receive an instant rebate.</p>
<p>Solar Water Heater Tune-Up SAVE \$100</p> <p>Save instantly when you have your solar water heater tuned up by a participating contractor. Hawaii Energy recommends maintenance every 1-5 years.</p>	<p>Mini-Split Air Conditioner SAVE UP TO \$250</p> <p>Mini-Split Air Conditioner (also known as Variable Refrigerant Flow or VRF) is a great cooling solution for multiple rooms while saving energy. Get a \$50 or \$250 rebate based on system size.</p>
	<p>Solar Attic Fans SAVE \$50</p> <p>Cool your home and give your AC a break! Get a fan and receive a rebate.</p>
	<p>Whole House Fan SAVE \$75</p> <p>Draw in cooler, outside air through your home. Install today and get an easy rebate. That's cool.</p>
	<p>VFD Pool Pump SAVE \$125</p> <p>Get a rebate when you replace your inefficient pool pump with a qualifying energy-efficient one.</p>

WHAT'S AS EXCITING AS GREEN ENERGY? GREEN MONEY. KEEP MORE OF IT IN YOUR POCKET.

HAWAIIENERGY.COM/SAVINGS

Laidis Proprietary

Energy Smart 4 Homes



ENERGY SMART 4 HOMES
A FREE Energy Saving Program for Multi-Family Properties

ENERGY SAVINGS MADE EASY — AND FREE
Exclusively for Multi-Family Properties

What is Energy Smart 4 Homes?
What's Included in Energy Smart 4 Homes?

- 01 LED lighting
- 02 High-efficiency water heaters
- 03 Smart power strips for large equipment
- 04 High-efficiency fans and ceiling fans

Laidos Proprietary

Community Workshops

Flip the switch on the often confusing concepts of energy usage

Local presenters with creative & relatable delivery styles who are networked within hard-to-reach communities across the islands



Laidos Proprietary

Lānaʻi Community Projects

Energy Smart 4 Homes

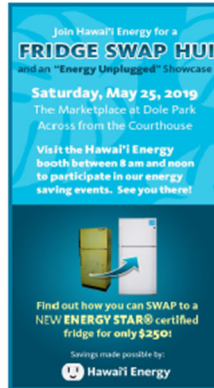
- Over 250 units retrofitted at 3 multifamily properties
- ~200 Pūlama Lānaʻi-owned single family residences retrofitted to date

Bulk Purchase Appliance Program

- Over 100 Pūlama Lānaʻi refrigerator replacements
- 13 Lānaʻi City community refrigerator replacements

Community Workshops & Literacy

- Multiple community presentations and workshops



Laidlaw Proprietary

Commercial Rebates

Hawaii Energy

Hawaii Energy makes it easy to implement your projects quick. We help you identify energy-saving opportunities and provide attractive financial incentives that significantly offset costs, reduce payback periods and positively impact your bottom line. To get started, call us at 839-8880 (Oahu) or 1-877-231-8222 (toll-free neighbor islands), or visit our website at HawaiiEnergy.com/for-businesses.

PLEASE NOTE: All incentives require a completed and signed application, relevant worksheets, product specifications and project invoices. All documents can be submitted via email to HawaiiEnergy@leidos.com or faxed to (808) 441-6068.



Important: AC system size is taken as the AHRI rated system capacity, not the nominal system capacity which is rounded to the nearest whole number. Please see corresponding worksheet for eligibility requirements

Chillers	
Positive Displacement	\$45/ton
Centrifugal	\$45/ton
Air-cooled with condenser	\$45/ton

Air-Cooled Package/Split	
Package/Split	Tier 1: \$100/ton
Package/Split	Tier 2: \$175/ton

Note: Refer to custom program for units with capacities greater than 600 tons.

Water-Cooled Package/Split	
Package/Split	\$100/ton

Water-source Heat Pumps	
Water-source heat pump	\$100/ton

VRF Multisplit AC and Heat Pumps	
Multisplit AC	\$250/ton

Variable Frequency Drives	
VFD controls for HVAC fans; new construction > 7.5 hp not eligible	\$50 per HP
VFD controls for Chiller and Condenser Water pumps	\$80 per HP



Refrigeration & Kitchen Equipment

Refrigerators: New unit must be > 16 cu. ft.; trade-in must be > 14 cu. ft. Night covers: On existing open refrigerated display cases
Anti-Sweat Heater Controls: Replacement of existing controls. New refrigerators/freezers and walk-in units manufactured after 1/1/09 not eligible.

Specialty Kitchen Equipment	
Equipment Category	Incentive
ENERGY STAR® Refrigerators (Trade-In)	\$150 per unit
Refrigerated Night Covers	\$10 per lin. ft.
Anti-Sweat Heater Controls (for refrigerator/freezer)	\$40 per lin. ft.
Kitchen Exhaust Hood Demand Ventilation	\$700 per HP
ENERGY STAR® Commercial Kitchen Equipment	Various- see separate worksheet



Advanced Metering & Controls

Advanced metering: Retrofit only; new construction not eligible. Condos and small businesses must be master-metered. Projects are subject to pre-approval and meet other Program requirements.

Advanced Metering	
Equipment Category	Incentive
Condominium submetering	\$150 per billed unit
Small Business / Tenant submetering	\$150 per billed unit

Controls	
Equipment Category	Incentive
Energy Management Systems	\$0.12 per kWh
Hotel Room EMS	\$75 per unit
Garage Exhaust Ventilation	\$0.12 per kWh
Vending Machines	\$50 per system




Pumps & Motors

Pre-approval required. Existing equipment must not have VFD and all motors must meet CEE Premium Efficiency Standards. Please see corresponding worksheet for eligibility requirements

Motors	
Equipment Category	Incentive
Electronically Commutative Motors (ECM) & Speed Control for Commercial Refrigeration (retrofit only)	\$85 each
Electronically Commutative Motors (ECM) & Speed Control for HVAC Fan Coil Applications	\$55 each
Premium Efficiency Motors	Refer to worksheet

Pumps	
Equipment Category	Incentive
VFDs for Pool Pumps	\$225 per HP
<ul style="list-style-type: none"> Pre-approval required 3HP or less (> 3HP see Customized) Existing equipment must not have VFD 	
VFD Domestic Water Pump System	\$3,000 + \$80 per HP reduced
<ul style="list-style-type: none"> Retrofit only; pre-approval required Total HP must ≤ to existing system; limited to system reduction of ≤ 120HP. All motors must meet CEE Premium Efficiency Standards. 	


 **Water Heating**

Heat pump requirements

Tons	5 - 11.25	> 11.25
COP	3.3	3.2


Please see corresponding worksheet for eligibility requirements

Commercial Water Heating	
Equipment Category	Incentive
Heat Pump Water Heating	Based on size and COP
Commercial Solar Water Heating	\$250 / ton de-rated output

 **Energy Services & Maintenance**

Requires pre-approval and must meet other Program requirements, see corresponding Rules & Requirements for details.
*Incentives capped by building square footage as well.


Energy Services & Maintenance	
Equipment Category	Incentive
Re-Commissioning & Retro-Commissioning	Total incentive is the sum of two parts below, capped at a total of 80% of total project cost: 1. The lesser of: 50% of study cost, \$0.20 per square foot, or \$15,000. 2. Additional \$0.08 per kWh saved in the first year
Energy Audits	85% up to \$5,000* 50% up to \$15,000*
Energy Study	Additional incentives available to implement measures as a result of the study

 **Building Envelope**

New construction, shaded or north-facing windows not eligible. Solar heat gain coefficient must be < 0.435 or shading coefficient < 0.5.


Building Envelope	
Equipment Category	Incentive
Window Film	\$0.85 per sq. ft.

Incentive rate is halved for replacement window film, see worksheet

 **Customized Projects**


Lighting projects must have a payback > 6 months. Non-lighting projects must have a payback > 1 year. Incentive cannot exceed 50% of incremental project cost.

Custom		
Equipment Category	Equipment Life	Incentive
Lighting Projects	<= 5 Years	\$0.08 / kWh
Lighting Projects	> 5 Years	\$0.12 / kWh
Non-Lighting Projects	<= 5 Years	\$0.08 / kWh
Non-Lighting Projects	> 5 Years	\$0.12 / kWh

 **Transformers**

- Commercial customer-sited and customer-owned transformer (not utility-owned)
- Must meet or exceed DOE 2016 efficiency standards
- Existing transformer must be manufactured/installed prior to 2007
 - Transformers installed after 2007 may still qualify on a case-by-case basis; contact Hawaii Energy for more information.
- Must serve the same load as the pre-existing transformer
- > 1000 kVA may qualify under the Custom Incentive Program

Transformers	
Equipment Category	Incentive
New Transformer	\$0.12 / kWh + \$125 per kW (5pm-9pm)

 **Electric Vehicle Charging Stations**


Important:
Available through September 30, 2019.

- UL-listed, dual-port, Level 2 EV Charging Stations with network connectivity
- Charging station usage for tenants, employees and/or authorized guests; not intended for fleet-charging, individually-owned parking stalls or single family homes
- Appropriate number of parking stalls and regulatory signage required

For more details:
<https://hawaiienergy.com/evcharging>

EV Charging Stations

Equipment Category	Incentive
Workplace: Place of business generally open between 7am-5pm	New installation: \$5,000 per dual-port station (i.e., no pre-existing station)
Multi-Unit Dwelling: Apartment/Condos with at least 8 parking stalls	Retrofit: \$1,500 per dual-port station (i.e., upgrade from a single-port to dual-port station)

 **New Construction**

For new construction projects, contact us at hawaiienergy@leidos.com

New Construction	
Equipment Category	Incentive
Various measures that exceed code and will result in a more energy-efficient project, subject to Hawaii Energy approval.	Customized



All LED lamps and fixtures must be listed by ENERGY STAR®, Design Lights Consortium (DLC) or LED Lighting Facts.



Type A = Plug & Play
Type B = Internal driver / Line voltage
Type C = External Driver

Note: Type A designated lamps fitted with an external driver do not qualify for Type C incentives.



Hawaii Energy

LED: Linear

T12 | T8 Replacement

Lamp Length	Type	Incentive (per lamp)
2 ft.	A or B	\$3.00
	C	\$5.00
3 ft.	A or B	\$4.00
	C	\$8.00
4 ft.	A or B	\$4.00
	C	\$8.00
8 ft.	A or B	\$7.00
	C	\$14.00

T5 | T5 High Output (HO) Replacement

4 ft. T5	A or B	\$4.00
	C	\$8.00
4 ft. T5 HO	A or B	\$5.00
	C	\$10.00

LED: U-Bend

Lamp Technology	Type	Incentive (per lamp)
2 ft. LED Retrofit	A or B	\$4.00
** (Replaces 4 ft. U-bend)	C	\$8.00
** Replacement system must have anodized aluminum reflectors.		
4 ft. U-bend LED	A or B	\$5.00
(Processed as 4 ft. Linear)	C	\$10.00

LED: Troffer

Fixture Size	Incentive (per fixture)	
	DLC Category: Indoor Luminaires or Indoor Retrofit Kit*	DLC Category: Indoor Retrofit Kit**
2 ft. x 2 ft.	\$20.00	\$10.00
1 or 2 ft. x 4 ft. (2 lamp replacement fixture)	\$20.00	\$14.00

* General Application: Troffer; Primary Use: Ambient Lighting or Integrated Retrofit Kits

** General Application: Troffer; Primary Use: Linear Retrofit Kits (3 or 4 lamp replacement fixture)

LED: Directional & Omni-Directional

LED down can kit retrofit must use custom worksheet

Lamp Type	Incentive (per lamp)
A-series (ex: A19) / globe / decorative with screw/GU base	\$1.50
Replacement for plug-in CFL, 2 or 4-pin base (ex: PL)	\$4.00
Directional (ex: MR16, PAR/BR/R 20/30/38/40) - screw/pin base	\$5.00

LED: Exit Sign

New LED Fixture	\$15.00 per sign
-----------------	------------------

LED: Corn Cob (HID replacement)

- Replacement lamps must be Type B or Type C.
- Ballast must be removed.
- E26 medium base lamps can qualify for prescriptive incentive if product meets DLC 4.3 technical requirements.

LED Lamp Wattage	Incentive (per lamp)
Less than 35W	\$20.00
36W to 149.9W	\$25.00
150W to 219.9W	\$35.00
Greater than 220W	\$45.00

LED: Refrigerated Case Lighting

For vertical reach-in refrigerated case lamps and kits

Lamp Length	Incentive (per lamp)
4 ft. retrofit kit	\$25.00
5 ft. or 6 ft. retrofit kits	\$50.00



Fluorescent Lighting

Fluorescent: Delamping

Length of Lamps	Incentive (per lamp)	
	With Reflectors	Without Reflectors
Remo		
ved		
2 ft.	\$5.00	\$2.50

Note: Reflectors must have a minimum reflective efficiency of 90%. Process MUST include removal of all disconnected ballasts, lamps, 4 ft. and lamp holders (in some cases) from fixture.



Lighting Controls

Occupancy Sensors

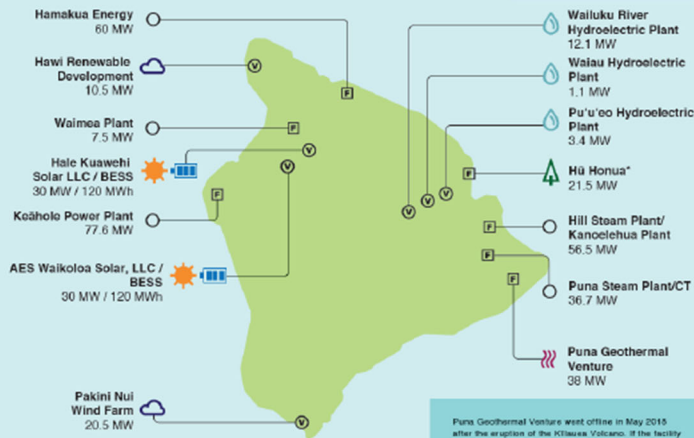
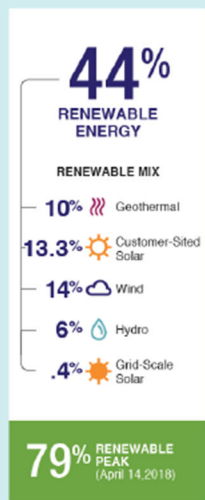
All Types (e.g. infrared, ultrasonic)	\$20.00 per sensor
---------------------------------------	--------------------

Feedback



Hawaiian Electric
Maui Electric
Hawai'i Electric Light

HAWAI'I ISLAND



Puna Geothermal Venture went offline in May 2015 after the eruption of the Kilauea Volcano. If the facility has been in production for the full year, Hawai'i Island's renewable energy total would have been 64%.



Hawaiian Electric
Maui Electric
Hawai'i Electric Light

Mahalo!



Hawaiian Electric
Maui Electric
Hawai'i Electric Light