

Non-Lighting Incentives



Hawaii Energy

Hawaii Energy makes it easy to get your projects implemented quickly. Our team of Energy Advisors will identify energy-saving opportunities in your business and provide attractive financial incentives that can 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, equipment specifications and project invoices. All documents can be submitted via email to HawaiiEnergy@leidos.com or faxed to (808) 441-6068.

AIR CONDITIONING

AIR CONDITIONING: Chillers

Incentive: \$50/ton

Full Load & IPLV Requirements						
	Units: kW/ton	< 75 Tons	>= 75 tons and < 150 tons	>= 150 tons and < 300 tons	>= 300 tons and < 600 tons	>= 600 tons
Positive Displacement (Reciprocating, Rotary Screw, Scroll)	Path A	<= 0.750 FL <= 0.600 IPLV	<= 0.720 FL <= 0.560 IPLV	<= 0.660 FL <= 0.540 IPLV	<= 0.610 FL <= 0.520 IPLV	<= 0.560 FL <= 0.500 IPLV
	Path B	<= 0.780 FL <= 0.500 IPLV	<= 0.750 FL <= 0.490 IPLV	<= 0.680 FL <= 0.440 IPLV	<= 0.625 FL <= 0.410 IPLV	<= 0.585 FL <= 0.380 IPLV
	Units: kW/ton	<= 150 Tons	>= 150 tons and < 300 tons	>= 300 tons and < 400 tons	>= 400 tons and < 600 tons	>= 600 tons
Centrifugal	Path A	<= 0.610 FL <= 0.550 IPLV	<= 0.610 FL <= 0.550 IPLV	<= 0.560 FL <= 0.520 IPLV	<= 0.560 FL <= 0.500 IPLV	<= 0.560 FL <= 0.500 IPLV
	Path B	<= 0.695 FL <= 0.440 IPLV	<= 0.635 FL <= 0.400 IPLV	<= 0.595 FL <= 0.390 IPLV	<= 0.585 FL <= 0.380 IPLV	<= 0.585 FL <= 0.380 IPLV
	Units: EER (Btu/W)	< 150 Tons	>= 150 Ton			
Air-cooled with condenser	Path A	>= 10.100 FL >= 13.700 IPLV	>= 10.100 FL >= 14.000 IPLV			
	Path B	>= 9.700 FL >= 15.800 IPLV	>= 9.700 FL >= 16.100 IPLV			

AIR CONDITIONING: Packaged / Split Systems

Incentive: \$200 / ton

kW/Ton and SEER or EER Requirements						
	BTU/hr Tons	≤ 65,000 ≤5.42	>65,000 to 135,000 >5.42 to 11.25	>135,000 to 240,000 >11.25 to 20	>240,000 to 760,000 >20 to 63.33	>760,000 >63.33
Packaged	SEER / EER	11.2 SEER	11.8 EER	11.2 EER	10.9 EER	10.6 EER
Split	SEER / EER	11.5 SEER	11.8 EER	11.2 EER	10.9 EER	10.6 EER

AIR CONDITIONING: IVRF / VFD

Please see corresponding worksheet for eligibility requirements

		Incentive
Inverter Variable Refrigerant Flow		Retrofit: \$300 per ton New Construction: \$250 per ton
Variable Frequency Drive (VFD) Controls	for HVAC fans; new construction > 10HP not eligible	\$50 per HP
	Chilled and Condenser Water Pumps	\$80 per HP

MOTORS

	Incentive
Electronically Commutative Motors (ECM) & Speed Control Commercial Refrigeration (retrofit only)	\$85 each
Electronically Commutative Motors (ECM) & Speed Control HVAC Fan Coil Applications	\$55 each

PUMPS

	Requirements*	Incentive
VFDs for Pool Pumps	<ul style="list-style-type: none"> Pre-approval required 3HP or less (> 3HP see Customized) Existing equipment must not have VFD 	\$225 per HP
VFD Domestic Water Pump System	<ul style="list-style-type: none"> Retrofit only; pre-approval required Total HP must ≤ to existing system; limited to system reduction of ≤ 129HP. All motors must meet CEE Premium Efficiency Standards. 	\$3,000 + \$80/HP Reduced

*For a full set of requirements for each measure, please refer to its corresponding worksheet, available online at HawaiiEnergy.com.

CONTROLS

<u>Requirements*</u>		<u>Incentive</u>
Energy Management Systems	For example: on/off, start/stop, timer control, VFD control, etc.	Customized
Hotel Room EMS	Per fan coil controlled by thermostat and controls	\$100 per unit
Garage Exhaust Ventilation	Up to 85% of project cost; pre and post-metering required	\$0.12 per kWh
Vending Machines	Vending machine must be refrigerated and/or employ an active lamp.	\$50 per system

SPECIALTY EQUIPMENT

<u>Requirements*</u>		<u>Incentive</u>
ENERGY STAR® Refrigerators (Trade-In)	New unit must be ≥ 16 cu. ft.; trade-in must be ≥ 14 cu. ft.	\$150 per unit
Refrigerated Night Covers	On existing open refrigerated display cases	\$10 per lin. ft.
Anti-Sweat Heater Controls (for refrigerator/freezer)	Replacement of existing controls and new refrigerators/freezers not eligible. Walk-in units manufactured after 1/1/09 not eligible.	\$40 per lin. ft.
Kitchen Exhaust Hood Demand Ventilation	See worksheet for more details.	\$700 per HP
ENERGY STAR® Commercial Kitchen Equipment	See full list at HawaiiEnergy.com/restaurant	various

ADVANCED METERING

<u>Incentive</u>	
Condominium submetering	\$150 per billed unit
Small Business / Tenant submetering	\$150 per billed unit
<i>Retrofit only; new construction not eligible. Condos and small businesses must be master-metered. Projects are subject to pre-approval and other Program requirements.</i>	

BUILDING ENVELOPE

<u>Type</u>	<u>Requirements*</u>	<u>Incentive</u>
Window Tinting	Shaded or north-facing windows not eligible. Solar heat gain coefficient must be < 0.435 or shading coefficient < 0.5 .	\$0.85 per sq. ft.

WATER HEATING

		<u>Requirements*</u>	<u>Incentive</u>
Heat Pump Water Heating	Upgrading existing heat pump	Tons $5 - 11.25$ > 11.25	\$65 per Ton
	Replacing electric resistance	COP 3.3 3.2	\$120 per Ton
Commercial Solar Water Heating	Replacing electric resistance, heat pump or solar	De-rated installed capacity	\$250 per Ton

ENERGY SERVICES & MAINTENANCE

<u>Requirements*</u>		<u>Incentive</u>
Re-Commissioning & Retro-Commissioning	Requires pre-approval and other Program requirements, see application for details	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

NEW CONSTRUCTION

<u>Requirements*</u>	<u>Incentive</u>
Various measures that exceed code and will result in a more energy-efficient project, subject to Hawai'i Energy approval.	Contact us at hawaiienergy@leidos.com Customized

CUSTOMIZED

<u>Equip. Life</u>	<u>Requirements*</u>	<u>Incentive</u>
Lighting Projects	≤ 5 Years	\$0.08 / kWh
	> 5 Years	\$0.12 / kWh
Non-Lighting Projects	≤ 5 Years	\$0.08 / kWh
	> 5 Years	\$0.12 / kWh
Payback > 6 mo. / > 1 yr.		Incentive cannot exceed 50% of incremental project cost.
		+ \$125 per kW (5 pm-9pm)

*For a full set of requirements for each measure, please refer to its corresponding worksheet, available online at HawaiiEnergy.com.