

Non-Lighting Incentives



Hawai'i Energy

Hawai'i 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

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.

AIR CONDITIONING: Chillers						
Incentive: \$45/ton						
<u>Type</u>	<u>Full Load & IPLV Requirements</u>					
Positive Displacement (Reciprocating, Rotary Screw, Scroll)	Units: kW/ton	< 75 Tons	>= 75 tons and < 150 tons	>= 150 tons and < 300 tons	>= 300 tons and < 600 tons	>= 600 tons
	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
Centrifugal	Units: kW/ton	<= 150 Tons	>= 150 tons and < 300 tons	>= 300 tons and < 400 tons	>= 400 tons and < 600 tons	>= 600 tons
	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
Air-cooled with condenser	Units: EER (Btu/W)	< 150 Tons	>= 150 Ton			
	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						
Tier 1: \$100 / ton Tier 2: \$175 / ton	<u>kW/Ton and SEER or EER Requirements</u>					
	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
Tier 1: Packaged	(S)EER / IEER	12 EER / 15 SEER	12.2 EER 14 IEER	12.2 EER 13.2 IEER	10.5 EER 12.3 IEER	9.9 EER 11.6 IEER
Tier 1: Split	(S)EER / IEER	12.5 EER / 15 SEER				
Tier 2: Packaged	(S)EER / IEER	12 EER / 16 SEER	12.2 EER 15.4 IEER	12.2 EER 14.2 IEER	10.8 EER 13.2 IEER	10.4 EER 12.3 IEER
Tier 2: Split	(S)EER / IEER	13 EER / 16 SEER				

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

AIR CONDITIONING: IVRF / VFD		
<i>Please see corresponding worksheet for eligibility requirements</i>		<u>Incentive</u>
Inverter Variable Refrigerant Flow	Retrofit	\$250 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

<u>Type</u>	<u>Incentive</u>
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

<u>Type</u>	<u>Requirements*</u>	<u>Incentive</u>
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

CONTROLS

Type	Requirements*	Incentive
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	\$75 per unit
Garage Exhaust Ventilation	Up to 50% 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

Type	Requirements*	Incentive
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

Type	Incentive
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

Type	Requirements*	Incentive
Window Tinting	New construction, 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

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

ENERGY SERVICES & MAINTENANCE

Type	Requirements*	Incentive
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 lessor 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

Type	Requirements*	Incentive
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

	Equip. Life	Requirements*	Incentive
Lighting Projects	≤ 5 Years	Payback > 6 mo.	\$0.08 / kWh
	> 5 Years		\$0.12 / kWh
Non-Lighting Projects	≤ 5 Years	Payback > 1 yr.	\$0.08 / kWh
	> 5 Years		\$0.12 / kWh
			+ \$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.