



Hawaii Energy + you

Working Together to Create a More Sustainable Hawaii

JUST WHAT IS HAWAII ENERGY ANYWAY?

Hawaii Energy is the state's Energy Conservation and Efficiency Program, funded by ratepayers for the benefit of ratepayers. We administer the program in the Counties of Honolulu, Maui and Hawaii under contract with the Hawaii Public Utilities Commission.

Our core mission is to educate, motivate and incentivize electric utility customers interested in adopting energy conservation and efficiency measures to save electric energy and reduce Hawaii's dependence on imported fuels.

It starts with YOU.

To learn about how to get **CASH INCENTIVES** and other support, turn this page over now!



Hawaii Energy
Your Conservation & Efficiency Program

Business Incentives Summary

For questions: Call 537-5577 (Oahu) or toll-free 1-877-231-8222 (Neighbor Islands)
www.hawaiienergy.com



TECHNOLOGY	INCENTIVES FOR RETROFIT				
Air cooled packaged & split air conditioning system	\$150 per ton (12,000 BTU/hr)				
	Unit Size (BTU/hr)	IECC 2006 (kW/ton)	EER	Hawaii Energy Premium Efficiency (kW/ton)	EER
	< 65,000	0.923	12.0	0.785	13.8
	65,001 to 135,000	1.188	10.1	1.010	11.6
	135,001 to 240,000	1.263	9.5	1.074	10.9
	240,001 to 760,000	1.263	9.5	1.074	10.9
	> 760,000	1.304	9.2	1.108	10.6
EER (Energy Efficiency Ratio) must be 15% higher than IECC 2006					
VRF (Variable refrigerant flow) air conditioning	\$250 per ton (12,000 BTU/hr)				
Water cooled chiller	\$50 per ton (12,000 BTU/hr)				
	Type	Size	IECC 2006 IPLV (kW/ton)	Hawaii Energy Premium Efficiency IPLV (kW/ton)	
	Reciprocating	All	0.70	0.60	
	Rotary Screw and Scroll	<150 tons	0.68	0.58	
		150 – 300 tons	0.63	0.54	
		> 300 tons	0.57	0.48	
	Centrifugal	<150 tons	0.67	0.57	
		150 – 300 tons	0.60	0.51	
> 300 tons		0.55	0.47		
IPLV (Integrated Part Load Value) must be 15% higher than IECC 2006					
VFD (Variable Freq Drive) controller for air handler	3 - 100 hp: \$50 per hp or for new construction 3-25 hp: \$50 per hp				
VFD controller for HVAC pump	3 - 100 hp: \$80 per hp or for new construction 3-25 hp: \$80 per hp				
VFD pool pump system	1 - 25 hp: \$80 per hp				
VFD domestic water pump system	\$3,000 plus \$80 per hp reduction for the system				
Solar water heating system	\$50 per 5,000 BTU derated capacity				
Heat pump system	\$65 per ton installed capacity				
Customized incentives	Measure of Life	Reduction in Energy Use Incentive	Evening Peak Demand Incentive	Day Peak Demand Incentive (HVAC Only)	
			5 to 9 p.m.	12 to 2 p.m.	
	≤ 5 years	\$0.05/kWh	\$125/kW	\$100/kW	
	> 5 years	\$0.08/kWh	\$125/kW	\$100/kW	

TECHNOLOGY	INCENTIVES FOR RETROFIT				
EC motor and controller for commercial refrigeration (Electronically Commutative/Brushless)	\$85 per motor and controller set				
	Unit Size (BTU/hr)	IECC 2006 (kW/ton)	EER	Hawaii Energy Premium Efficiency (kW/ton)	EER
	< 65,000	0.923	12.0	0.785	13.8
	65,001 to 135,000	1.188	10.1	1.010	11.6
	135,001 to 240,000	1.263	9.5	1.074	10.9
	240,001 to 760,000	1.263	9.5	1.074	10.9
CEE qualified premium efficient motor (Consortium for Energy Efficiency)	1 - 3 hp \$15.00 per hp 5 - 10 hp \$10.00 per hp 15 - 25 hp \$8.00 per hp 30 hp \$7.00 per hp 40 - 450 hp \$6.00 per hp Visit www.CEE1.org for a listing of qualified premium efficient motors				
ENERGY STAR® Refrigerator	\$50 when you trade up your old refrigerator for a new ENERGY STAR® model				
Window film	\$1.00 per ft ² <i>Solar heat gain coefficient must be less than 0.435 or shading coefficient less than 0.4</i>				
Cool Roof technology	20¢ per ft ² <i>Only for the roof areas over air-conditioned space</i>				
Standard T8 lamp with electronic ballast	2' lamp		\$5.00 per lamp		
	3' lamp		\$6.00 per lamp		
	8' lamp		\$7.50 per lamp		
4' T12 to low wattage 25- or 28-watt T8 lamp with high performance electronic ballast	\$15.00 per lamp Visit www.CEE1.org for a listing of qualified high performance electronic ballasts				
4' 32 watt T8 to low wattage 25- or 28-watt T8 lamp with high performance electronic ballast	\$7.50 per lamp				
4' low wattage 25- or 28-watt T8 lamp with high performance electronic ballast	\$7.50 per lamp for new construction only				
T8 De-Lamping with reflector	2', 3', 4' or 8' lamp		\$15.00 per lamp		
T8 De-Lamping without reflector	2', 3', 4' or 8' lamp		\$7.50 per lamp		
Occupancy sensor	\$20.00 per automatic infrared or automatic ultrasonic sensor				
Compact Fluorescent Lamp (CFL)	\$2.50 per lamp or \$1.00 per lamp for new construction Lamps must be purchased from a commercial lighting distributor/supplier				
Pulse-Start metal halide fixture	Less than 100 watt		\$35.00 per fixture		
	100 to 200 watt		\$50.00 per fixture		
	Greater than 200 watt		\$75.00 per fixture		
Induction lighting fixture	Less than 100 watt		\$25.00 per fixture		
	100 watt or greater		\$75.00 per fixture		
LED Exit sign	\$25.00 per Exit sign (not available for new construction)				
LED vertical reach-in refrigerated case lamp	\$30.00 per 5-foot or 6-foot lamp				
LED ENERGY STAR® approved lamp	\$5.00 per decorative lamp including A-19 shape				
	\$17.50 per MR16, PAR20, PAR30 or PAR38 lamp				
ENERGY STAR® approved dimmable LED lamp	\$7.50 per decorative lamp including A-19 shape				
	\$20.00 per MR16, PAR20, PAR30 or PAR38 lamp LED lamp must be compatible with the dimming controller				

SPECIFICALLY FOR LED TECHNOLOGIES NOT LISTED ABOVE

LED lamps & fixtures that are not ENERGY STAR® rated are handled by our customized incentive process to ensure persistence of energy savings and cost effectiveness.

Qualifications include but are not limited to:

- IES LM79 testing results are required for power, photometric, color temperature and power input vs. light output.
- IES LM80 testing results are required for lumen maintenance.
- UL listing is required for safety.
- 3-year warranty with a clear description of how defects are determined and replacements are handled.
- Acknowledgment that the lamps must be in place for 5 years. If replaced with higher wattage consumption technologies, the rebate must be refunded.
- Payback must be 6 months or longer.



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This is Just the Beginning...