



Hawaii Energy

How We're Working with You to...

Save Energy
Strengthen the Economy
Protect our Environment

Hawai'i Energy is...

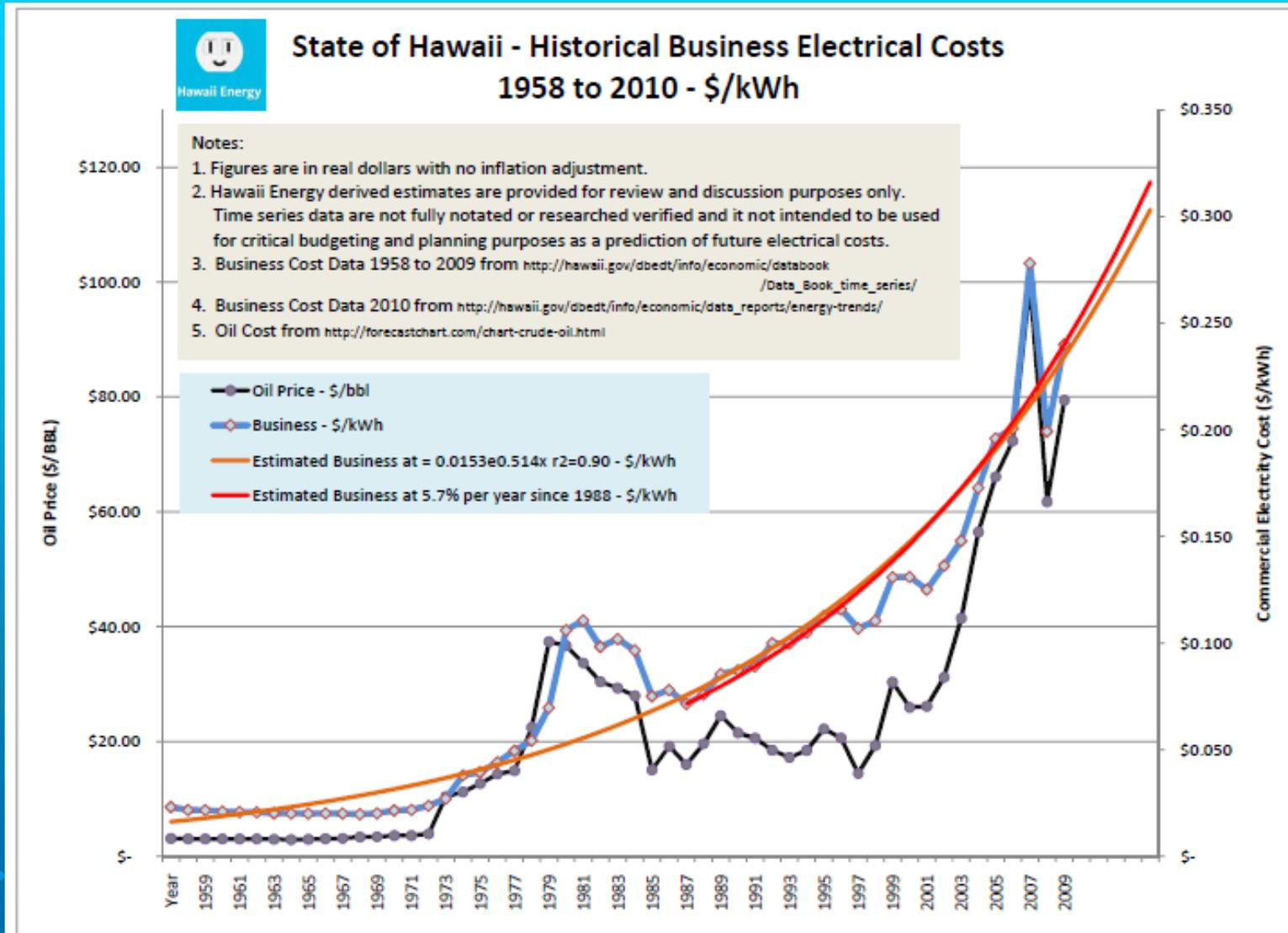


- Hawai'i's conservation & efficiency program
- Funded by you through electric utility bills
- Directed by the Public Utilities Commission
- Helping to ensure the Hawai'i Clean Energy Initiative succeeds



Hawaii Energy

Business Risk?





SEARCH

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ABOUT US

LEARN ABOUT ENERGY EFFICIENCY

ENERGY SOLUTIONS

REBATES

ENERGY PROFESSIONALS

NEWS & EVENTS

ENERGY HEROES

FORUM

Get the Facts

It's time to break Hawaii's dependency on imported oil.

More Info



Residential Rebates

Learn More



Business Rebates

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Live WTI Crude Oil Price [More Details](#)



2010 OIL PRICES

LOW **75.24**

AVERAGE **79.40**

HIGH **89.15**

About 77% of electricity in Hawaii is generated by burning imported oil — about 11 million barrels of oil per year. (Real time prices and other data by [oil-price.net](#))

Featured News [More News](#)

Posted August 24, 2011

Hawaii: The State of Clean Energy

Hawai'i News Now and the Hawai'i Energy Policy Forum are partnering to produce and broadcast "Hawai'i: The State of Clean Ener... [Read More](#)

Posted June 21, 2011

Third-party verification phone survey being implemented

A third-party phone verification survey and on location inspections are currently being conducted to evaluate the performance of the Hawaii Energy, Co... [Read More](#)

Latest Media [More Media](#)



[Check out the Shed Some Light TV commercial!](#)



Hawaii Energy
Your Conservation & Efficiency Program

Business Incentives Summary

www.hawaiienergy.com

Refer to Incentive Applications for qualifying efficiencies
of mechanical equipment.
Questions: Call 537-5577 (Oahu) or 877-231-8222 (neighbor islands)
Hawaii Energy is a ratepayer-funded conservation and efficiency program administered by SAIC under contract with the Hawaii



ENERGY STAR® LED Lamps



- ENERGY STAR® Approved LED Lamps
- Non-Dimmable
 - A19 - \$5
 - MR16 & PAR Lamps - \$9.00
- Dimmable and Compatible with controls
 - A19 - \$7.50
 - MR16 & PAR Lamps - \$10

Refrigerated Case LED Lighting

- Reach-In Refrigerated Case Lamps
- 5 and 6 foot Lamps
- Can save up to 45%
- \$75 per Lamp



Air cooled packaged & split air conditioning system	\$150 per ton (12,000 BTU/hr)					
	Unit Size (BTU/hr)	Unit Size (Btu/tons)	IECC 2006 (kW/ton)	EER	Hawaii Energy Premium Efficiency (kW/ton)	Qualifying EER
	Splits < 65,000	< 5.42	1.364	9.7 (SEER)	1.159	11.2 (SEER)
	Package <65,000	< 5.42	1.332	10.0 (SEER)	1.113	11.5 (SEER)
	65,001 to 135,000	> 5.42 to 11.25	1.165	10.3	0.990	11.8
	135,001 to 240,000	> 11.25 to 20.0	1.237	9.7	1.052	11.2
	240,001 to 760,000	> 20.0 to 63.33	1.263	9.5	1.074	10.9
	> 760,000	> 63.33	1.304	9.2	1.109	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	\$60 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: \$60 per hp or for new construction 3-25 hp: \$60 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	\$60 per 5,000 BTU derated capacity					

Variable Refrigerant Flow

- HVAC units with inverter driven variable speed compressors, air handler fans, condenser fans and high efficiency motors to provide 20-35% reduction in energy use.
- \$300/ton



Refrigerated Case ECM Motor/Controller Retrofits

- **Dramatic improvement over the older shaded pole motors commonly used in refrigeration systems.**
- **Can save 20-40%**
- **\$85 per motor w/ controls**



Garage On-Demand Ventilation Control



- There are opportunities to reduce runtimes 60% to 90% with active CO monitoring systems.
- \$0.12/kWh

Cool Roofs

- **Cool Roofs reflect sunlight back to the atmosphere**
- **Must have AC conditioned space below roof**
- **20 cents per sq ft**



Condominium & Small Business Sub Metering

- **Pilot program will provide incentives and education for the installation of billing submeters**
- **Tenants within a master metered facility.**
- **Motivation and ability to directly benefit from energy efficiency improvements and behaviors.**
- **\$150/ Submetered Unit**

Customized

Measure Life	Reduction in Energy Use Incentive	Evening Peak Demand Reduction	Day Peak Demand Reduction (HVAC Only)
		(5-9 p.m. Weekdays)	(12-2 p.m. Weekdays)
≤ 5 years	\$0.08/kWh	\$125/kW	\$100/kW
> 5 years	\$0.12/kWh	\$125/kW	\$100/kW



Mahalo.

Oahu 1-808-537-5577 Neighbor Island 1-877-999-7242

HELPING HAWAII CONSERVE TODAY, TO POWER A BETTER TOMORROW

www.hawaiienergy.com

 Hawaii Energy