



Hawaii Energy HVAC Incentive Worksheets

Water Cooled Chiller

Effective from July 20, 2001 - Subject to availability of funding

This Program is available for and funded by the Commercial and Industrial Electric Utility Customers of Hawaii, Lanai, Maui, Molokai and Oahu, and is administered under the direction of the Hawaii Public Utilities Commission.

Utility Account Holder Name: _____ Application Number: _____

Project / Building Name: _____ Installation Address: _____

Chiller Type: _____ Facility Type: New _____ Existing _____ Operation Type: _____

Manufacturer	Model Number	Quantity	Cooling Capacity (tons)	IPLV	Equipment Incentive per ton	Incentive
<i>Example: Super Freeze</i>	<i>Super Chill 2156</i>	<i>1</i>	<i>200</i>	<i>0.54</i>	<i>\$50</i>	<i>\$10,000</i>
1					\$50	
2					\$50	
3					\$50	
4					\$50	
5					\$50	
					Total Incentive →	

IPLV Must Be 15% Better Than Code

Compressor Type	Size	IECC 2006 IPLV (kW/ton)	Hawaii Energy Premium Efficiency Qualifying 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



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Packaged and Split Systems

Air Cooled and Evaporated or Water Cooled

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Air Conditioning Chillers Rebate Worksheet Instructions

Attach manufacturer's data to verify rated efficiency in kW/ton (According to ARI Standard 550/590-98).

Required Documentation Checklist

- Equipment schedule or manufacturer's specification and data sheets listing unit's Manufacturer, Model Number, Capacity at Full Load and Integrated Part Load Value (IPLV) Efficiency
- Description of Existing Equipment (For Retrofit Projects)
- Air Conditioning (Chillers) Rebate Worksheet
- Rebate Application

Applicant Information

- 1) Enter Applicant Utility Account Holder Name
- 2) Enter Project Description (e.g. Facility, Building, Location, etc.)
- 3) Enter Installation Location Address
- 4) Chiller Type (Reciprocating, Rotary Screw, Scroll or Centrifugal)
- 5) Facility Type (New or Existing Facility)
- 6) Operational Type (AOAO, Office, Retail, Health, Education, etc..)

Chillers Incentive Calculation

Fill in the following information using one line for each unit installed. Identical units may be grouped on a single line.

1. Manufacturer
2. Model Number
3. Quantity of Units –
4. Cooling Capacity - Nominal Capacity (in Tons) of equipment per unit
5. Enter Manufacturers IPLV

8. Rebate Amount

- a) Calculate the Rebate using the Rebate Program Factors, Equipment Specifications, and the following formula:

Rebate = [(Quantity of units x Cooling Capacity in tons) x Equipment Incentive per ton]

9. Add all Rebate Amount entries to determine your Total Chiller Rebate and enter total in the space provided.