

Pre-Qualified Electric Chillers

Applicant _____ Facility _____

Completing the Electric Chillers Measure Application

- Fill in the appropriate fields for individual chiller measures on the **Incentive Calculation** table on page 2
- Refer to the table at the top of page 2 for measure codes, minimum efficiency levels and incentive amounts
- To calculate the **Base Incentive** (F), multiply the **Unit Size** (A) by the **Quantity** (B) and the **Unit Incentive** (E)
- To calculate the **Additional Incentive** (G) for air-cooled measures, subtract the **Equipment Efficiency** (C) from the **Minimum Efficiency** (D), then multiply that amount by 10, the **Unit Size** (A), the **Quantity** (B) and the **Unit Incentive** (E)
- To calculate the **Additional Incentive** (G) for water-cooled measures, subtract the **Equipment Efficiency** (C) from the **Minimum Efficiency** (D), then multiply that amount by 100, the **Unit Size** (A), the **Quantity** (B) and the **Unit Incentive** (E)
- To calculate the **Total Incentive** (H) for each measure, add the **Base Incentive** (F) to the **Additional Incentive** (G)
- Enter the sum of the amounts from the **Total Incentive** column (H) in the **Total Incentive Requested** field at the bottom of the table
- Enter the **Total Incentive Requested** amount below

General Eligibility Requirements for Electric Chillers

- Pre-Qualified projects must submit an application for incentives within 90 days of invoice for the purchase and installation of Pre-Qualified measures
- Used or rebuilt equipment is not eligible
- Please attach:
 - 1) Main program application
http://www.nyserra.org/programs/Existing_Facilities/pdfs/Existing%20Facilities%20application.pdf
 - 2) Recent utility bills, with SBC notation
 - 3) Invoices, including purchase and installation price, and
 - 4) Equipment specification sheets, including product manufacturer and model number

Total Electric Chillers Incentive Requested (from page 2) \$ _____

Project Cost Information (Required)

Total cost of materials and labor for installed chiller equipment Total \$ _____

Project Type *(Please check one)*

- New Construction or Major Renovation
- Replacement or Retrofit (Existing Facilities)

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Electric Chiller Efficiency Levels and Incentive Amounts

Measure Description	Measure Code	Size (Nominal Tons)	Minimum Efficiency	Unit Incentives	
				Base Incentive (\$/Ton)	Additional Incentive (\$/Ton)
Air-cooled Chiller with Condenser	ACC-1	≥ 30 & ≤ 100	Full load: 9.8 EER Part Load: 13.3 IPLV	\$25	\$5/ton for each 0.1 EER IPLV above criteria
Water-cooled Chiller (Rotary Screw/Scroll)	WCC-1	≥ 30 & < 150	Full load: 0.72 kW/ton IPLV: 0.59 kW/ton	\$15	\$8/ton for each 0.01 kW/ton IPLV below criteria
	WCC-2	≥ 150 & < 300	Full load: 0.64 kW/ton IPLV: 0.49 kW/ton	\$15	\$2/ton for each 0.01 kW/ton IPLV below criteria
Water-cooled Chiller (Centrifugal)	WCC-3	≥ 30 & < 150	Full load: 0.64 kW/ton IPLV: 0.53 kW/ton	\$15	\$8/ton for each 0.01 kW/ton IPLV below criteria
	WCC-4	≥ 150 & < 300	Full load: 0.59 kW/ton IPLV: 0.52 kW/ton	\$15	\$2/ton for each 0.01 kW/ton IPLV below criteria

Notes:

- Only units that meet both minimum requirements are eligible for incentives.
- Equipment efficiency criteria based on ARI standards using non-CFC refrigerant.
- Tons should be ARI net capacity, not gross capacity.
- Equipment using CFC as refrigerant is not eligible.
- Efficiency ratings for full load (EER or kW/ton) and IPLV (kW/ton) must be calculated at ARI Standard 550/590-98 rating conditions:
 - 44°F; leaving chilled water; 2.5 gpm/ton (air-cooled and water-cooled chillers)
 - 95°F; entering condenser air (air-cooled chillers only)
 - 85°F; entering condenser water (water-cooled chillers only); 3.0 gpm/ton

Electric Chillers Incentive Calculation

Measure Code (Table)	Manufacturer and Model Number	A Unit Size (Tons)	B Quantity	C Equipment Efficiency (From manufacturer specification sheet)	D Minimum Efficiency (Table)	E Unit Incentive \$/Ton (Table)	F Base Incentive \$ (A x B x E)	G Additional Incentive \$ Air-cooled: A x B x (D-C) x 10 x E Water-cooled: A x B x (D-C) x 100 x E	H Total Incentive \$ (F + G)
Example: WCC-2	ABC123	200	2	Full Load: 0.6 kW/Ton	Full Load: 0.64 kW/Ton	Base: \$15/Ton	\$6,000		\$9,200
				Part Load: 0.45 kW/Ton	Part Load: 0.49 kW/Ton	Additional: \$2/Ton			
				Full Load:	Full Load:	Base:			
				Part Load:	Part Load:	Additional:			
				Full Load:	Full Load:	Base:			
				Part Load:	Part Load:	Additional:			
				Full Load:	Full Load:	Base:			
				Part Load:	Part Load:	Additional:			
(enter on page 1)						Total Electric Chillers Incentive Requested		\$	