Existing Facilities Program
Pre-Qualified Electric Chillers

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CFA # _____

Applicant _____ **Facility** _____

Completing and Submitting the Electric Chillers Measure Worksheet

- 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.
- Complete a Consolidated Funding Application: www.nyserda.ny.gov/Funding-Opportunities/Consolidated-Funding-Application.
- Submit your CFA online along with copies of the following. Be sure to reference your CFA number on all submitted materials:
  1) This completed worksheet and any other measure worksheets associated with your project.
  2) Electric utility bill from the last 90 days, with SBC notation.
  3) Invoices, including purchase and installation price
  4) Equipment specification sheets showing manufacturer(s) and model number(s).

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.
- Water-cooled chiller installations larger than 300 tons (larger than 100 tons for air-cooled) may be eligible for incentives under the Performance Based incentives programs. Please contact NYSERDA for details.
- Used or rebuilt equipment is not eligible.
- Questions regarding the process, incentives, or requirements? Contact a NYSERDA representative at: 1-866-NYSERDA x3480 or EFPPQADMIN@NYSERDA.ny.gov.

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 for Units With VFD	Minimum Efficiency for Units Without VFD	Unit Incentives: Base Incentive ($/Ton)	Unit Incentives: Additional Incentive ($/Ton)
Air-cooled Chiller with Condenser	ACC-1	≥ 30 & ≤ 100	Full load: 9.8 EER Part Load: 13.3 EER		$25	$5/ton for each 0.1 EER above criteria
Water-cooled Chiller (Rotary Screw/ Scroll)	WCC-1	≥ 30 & < 150	Full load: 0.776 kW/ton IPLV: 0.525 kW/ton	Full load: 0.757 kW/ton IPLV: 0.551 kW/ton	$15	$8/ton for each 0.01 kW/ ton IPLV below criteria
	WCC-2	≥ 150 & < 300	Full load: 0.696 kW/ton IPLV: 0.473 kW/ton	Full load: 0.660 kW/ton IPLV: 0.508 kW/ton	$15	$2/ton for each 0.01 kW/ ton IPLV below criteria
Water-cooled Chiller (Centrifugal)	WCC-3	≥ 30 & < 150	Full load: 0.620 kW/ton IPLV: 0.394 kW/ton	Full load: 0.615 kW/ton IPLV: 0.522 kW/ton	$15	$8/ton for each 0.01 kW/ ton IPLV below criteria
	WCC-4	≥ 150 & < 300	Full load: 0.620 kW/ton IPLV: 0.394 kW/ton	Full load: 0.615 kW/ton IPLV: 0.522 kW/ton	$15	$2/ton for each 0.01 kW/ ton IPLV below criteria

Notes:

1. *Only units that meet both applicable full-load and part-load/IPLV requirements are eligible for incentives.*
2. *Equipment efficiency criteria based on ARI standards using non-CFC refrigerant.*
3. *Tons should be ARI net capacity, not gross capacity.*
4. *Equipment using CFC as refrigerant is not eligible.*
5. *Efficiency ratings for full load (EER or kW/ton) and IPLV (kW/ton) must be calculated at ARI Standard 550/590-98 rating conditions:*
   a. *44ºF; leaving chilled water; 2.5 gpm/ton (air-cooled and water-cooled chillers)*
   b. *95ºF; entering condenser air (air-cooled chillers only)*
   c. *85ºF; 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 Count	With VFD? (Yes/No)	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*	*Yes*	*Full Load: 0.650 kW/Ton* *Part Load: 0.430 kW/Ton*	*Full Load: 0.696 kW/Ton* *Part Load: 0.473 kW/Ton*	*Base: $15/Ton* *Additional: $2/Ton*	*$6,000*	*$3,440*	*$9,440*
					Full Load: *Part Load:*	*Full Load:* *Part Load:*	*Base:* *Additional:*			0.00
					Full Load: *Part Load:*	*Full Load:* *Part Load:*	*Base:* *Additional:*			0.00
					Full Load: *Part Load:*	*Full Load:* *Part Load:*	*Base:* *Additional:*			0.00
					Full Load: *Part Load:*	*Full Load:* *Part Load:*	*Base:* *Additional:*			0.00
					(enter on page 1)				**Total Electric Chillers Incentive Requested**	$ 0.00

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3/13