New Equipment & Construction

202 Chiller Incentive

Section A: CUSTOMER INFORMATION

Customer Name	Electric Account Number	Rate	Application Number
Facility Address	City	State	Zip Code
Service Location Identification	Email		
Mailing Address (if different from above)	City	State	Zip Code
Contact Person/Title	Telephone Number	Incorporated? (Check one) ☐ Yes ☐ No ☐ Exempt	
Please Assign Payment to Contractor. Customer Signature:	Additional Information	Incentive Payment Preference (Check one.) ☐ Pay Customer ☐ Pay Contractor	

Section B: CONTRACTOR INFORMATION

Contractor Name	Contact Person/Title (Print)	Contact Person Signature	
Mailing Address	City	State	Zip Code
Email	Telephone Number	Additional Information	Incorporated? (Check one) ☐ Yes ☐ No ☐ Exempt

Section C: DOCUMENT APPROVALS

PRE-INSTALLATION INSPECTION

Utility Signature	Date

PRE-APPROVAL OFFER

Technical Review - Utility Signature		Date	
Utility Signature	Date	Amount of Incentive Offer ($)	Offer Valid Through:

By signing and dating below, customer accepts this Incentive offer and agrees to the Utility Terms and Conditions available from your Utility. Pursuant to a Commission order, customers also agree that the utility alone may capture all kW and kWh savings and any ISO-NE capacity payments resulting from this energy efficiency project. This agreement is contingent upon continued approval and authorization by the Commission to recover said amounts from the System Benefits Charge. The Incentive, in conjunction with all other sources of funding, cannot exceed the total project cost.

Customer Signature: Date:

POST-INSTALLATION INSPECTION

Utility Signature	Date	Total Project Cost ($)	Amount of Incentive ($)
Customer Signature	Date		

MANAGEMENT APPROVAL

Utility Signature	Date

NE&C CHILLER INCENTIVE WORKSHEET

Eligibility Requirements		Proposed Equipment		Rebates				
Unit Size ARI Net Tons (A)	Minimum Performance Requirements, FL or IPLV (B)	Net Tons (C)	Proposed Efficiency (D)	Base Incentive (per ton) (E)	Base Incentive Total (F)	Performance Incentive per ton (Max of 2 times base rebate) (G)	Performance Incentive Total (H)	Total Incentive (F+H)
Air Cooled Chillers								
< 150 tons	EER: FL: 10.52 IPLV: 13.75	_____	_____	$20.00	$_____	$3.25	$_____	$_____
≥ 150 tons	FL: 10.52 IPLV: 14.03	_____	_____	$20.00	$_____	$3.25	$_____	$_____
Water Cooled Chillers-Rotary Screw & Scroll								
< 75 tons	kW/ton: FL: 0.702 IPLV: 0.540	_____	_____	$13.00	$_____	$3.00	$_____	$_____
≥ 75 and < 150 tons	FL: 0.698 IPLV: 0.527	_____	_____	$11.00	$_____	$2.50	$_____	$_____
≥ 150 and < 300 tons	FL: 0.612 IPLV: 0.486	_____	_____	$18.00	$_____	$3.00	$_____	$_____
≥ 300 tons	FL: 0.588 IPLV: 0.441	_____	_____	$18.00	$_____	$3.00	$_____	$_____
Water Cooled Chillers-Centrifugal								
< 150 tons	kW/ton: FL: 0.571 IPLV: 0.405	_____	_____	$20.00	$_____	$3.50	$_____	$_____
≥ 150 and < 300 tons	FL: 0.518 IPLV: 0.360	_____	_____	$17.00	$_____	$1.25	$_____	$_____
≥ 300 and < 600 tons	FL: 0.513 IPLV: 0.360	_____	_____	$10.00	$_____	$1.75	$_____	$_____
≥ 600 tons	FL: 0.513 IPLV: 0.360	_____	_____	$10.00	$_____	$1.75	$_____	$_____

Incentive Calculations:

NOTES

1. Incentive is available only for **comfort cooling applications** operating for min. 800 equivalent full load hours (EFLH) or 1500 run hours. Process chillers or chillers equipped with variable speed drives must be evaluated as a Custom Incentive.
2. Proposed comfort cooling chiller shall meet or exceed the FL or IPLV efficiencies as listed in above table (B).
3. Chiller equipment efficiency criteria are based on ARI Standard 550/590-98 at ARI standard conditions (see note 6) using a non-CFC refrigerant. Attach copy of manufacturer's performance sheet showing both Full Load (FL) and Integrated Part Load Value (IPLV) efficiencies (KW/ton). Air cooled chiller efficiencies shall include condenser fan energy consumption. **Tons should be ARI net capacity, not gross capacity**. Incentives for chillers shall be calculated using FL (Full Load) and IPLV (Integrated Part Load Value) efficiency ratings.
4. The total Incentive (I) for air cooled chiller projects with efficiencies based on EER is calculated as follows:
   F = base incentive (C x E) and H = performance incentive (using either FL or IPLV EER): (D-B) x 10 x C x G (performance incentive is for each 0.1 EER point above minimum criteria and may not exceed twice the base incentive)
5. The total incentive (I) for water cooled chiller projects with efficiencies based on kW / ton is calculated as follows:
   F = base incentive (C x E) and H = performance incentive (using FL or IPLV kW/ ton):): (B-D) x 100 x C x G (performance incentive is for each 0.01 KW/ton below maximum criteria and may not exceed twice the base incentive)
6. All water-cooled chillers shall incorporate condenser water reset strategy.
7. ARI Chiller standard 550/590-98 conditions are as follows:
   - 44° F leaving chiller water,
   - 2.4 GPM / ton,
   - 95° F entering condenser air temperature (air cooled only),
   - 85° F entering condenser water temperature (water cooled only),
   - 3.0 GPM / ton condenser water flow rate (water cooled only)
8. Water cooled chillers must be equipped with condenser water reset strategy.