



**Commercial, Industrial & Agricultural
Chiller, Cooling Towers, Air Handling VAV's
2010 Rebate Application**

Agralite Electric Co-op, 320 E. Hwy 12, Benson, MN 56215-0228 (320) 843-4150

Business Name: _____

Mailing Address: _____ **Phone** _____

City _____ **State** _____ **Zip** _____

Installation Address: _____

(if different from above) _____

Account Number: _____

Contact Name: _____ **Phone** _____

Email Address: _____

VENDOR INFORMATION

Vendor Name: _____

Mailing Address: _____

City, State, ZIP: _____

Vendor Contact Name: _____ **Phone:** _____

The undersigned does hereby certify that 1) The undersigned, and not Agralite Electric Co-op, is solely responsible for the accuracy of the information contained in this application, 2) all rules of the Lighting Retrofit Rebate program have been followed, and 3) the installation is complete. Further, the undersigned acknowledges that nothing contained in the application shall impose any liability on Agralite Electric Co-op for the work performed and information presented by the customer's engineer, contractor, or vendor.

Warranty Information

Rebate qualifications do not imply any representation or warranty of such equipment, design, or installation by Agralite Electric Co-op. Agralite Electric Co-op shall not be responsible or liable for any personal injury or property damage caused by this equipment. Agralite Electric Co-op does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under this program. In no event shall Agralite Electric Co-op be liable for any incidental or consequential damages.

Other Important Program Rules

1. Installation must be complete before funds will be issued for the rebate.
2. Customers and vendors must submit itemized equipment invoices along with rebate applications, and worksheet to Agralite Electric Co-op. To ensure that the equipment installed meets Agralite Electric Co-op's performance standards, these invoices must itemize labor charges
3. Agralite Electric Co-op reserves the right to conduct random inspections of installations.
4. The customer is responsible for checking with Agralite Electric Co-op to determine whether funding is available and to verify program parameters.
5. Rebate must comply with all program specific rules and qualifications (see complete list of rebate specific rules).
6. Qualifying customers must apply for Year 2010 rebates no later than November 30, 2010.

Customer Signature: _____ **Date:** _____



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Commercial / Industrial Cooling Rebate Program Guidelines

1. Documents establishing proof-of-purchase (invoice) must be furnished when the original rebate application is completed.
2. On the documents establishing proof-of-purchase, circle the energy-saving product's for which a rebate is requested and attach to the original application. If not indicated on the invoice, please add the number of units installed, manufacturer, model number and capacity (in tons).
3. Submit the manufacturer's data sheets with the rebate application. The sheets must show efficiency ratings in accordance with the most recent ARI Standards (design conditions for chillers) and must contain efficiency information for the following:
 - Chillers - kW/Ton
4. Only new and complete central air conditioning units, water chillers, and remote condensing unit retrofits qualify. Rebuilds do not qualify.
5. The new equipment must use a minimum ozone depleting refrigerant.
6. Customers should use a separate form for each size category of equipment to facilitate calculations.
7. Rebates for air-cooled equipment are limited to 150 tons per account. Larger total capacities must use Agralite Electric Co-op's Custom Energy Rebate program. Air cooled chillers are not eligible for rebates.
8. If the efficiency rating is stated in SEER where the application asks for EER, multiply the SEER by 0.855 to calculate EER rating.

Chiller Rules

1. No rebates will be provided for back-up systems. Back-up systems are defined as a separate chiller that is required only when one of the primary chillers fail.
2. The basis for the rebate efficiency level will be design conditions and chiller efficiency data as contained in the vendor's data.
3. Customers can use either the standard rebate (i.e. based on full-load efficiency) or part-load rebate formula for centrifugal chillers ≥ 150 tons.

Heat Rejection Rules (oversized cooling towers)

1. Rebate is paid per nominal tower ton.
2. Only new towers for electric chillers are eligible.
3. For purposes of determining rebate eligibility, design condensing water flow rate must be 3.0 gallons per minute per ton.
4. Design condensing water temperature to chiller must be 84 °F or less.
5. Cooling tower size must be larger than that which would be used to achieve a design condensing water temperature to the chiller of 85 °F at 78 wb.
6. Customers should use a separate form for each size category of equipment to facilitate calculations.
7. The brake horsepower per cell of tower fans must not increase as compared to the tower which would deliver 85 °F design condensing water temperature.
8. The motors used in the cooling towers fans must meet Agralite Electric Co-op's NEMA Premium Efficient Motor program standards. See Premium Efficient Motor Rebate application.

Air Handling Rules (Variable Air Volume (VAV) Conversion)

1. Rebate is paid per VAV box. One box serves each air handling unit zone.
2. The installation must be in an existing air-handling zone which is being converted from constant volume.
3. The zone must be air conditioned by electric cooling equipment.
4. Only new VAV boxes (without fans) for retrofit applications may qualify.
5. Supply and return fans (if return fans are used) serving the VAV zones must be equipped with VFDs.
6. Appropriate controls to reduce fan energy usage must be included.
7. The motors and/or VFDs for air handling fans must meet Agralite Electric Co-op's NEMA Premium Efficient Motor and VFD program standards. See Premium Efficient Motor Rebate and Adjustable Speed Drive Rebate applications.

Applying for the Rebate

1. Installation must be complete before funds will be issued for the rebate.
2. Customers and vendors must submit itemized equipment invoices along with rebate applications, and worksheet. To ensure that the equipment installed meets Agralite Electric Co-op's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, and information regarding the manufacturer and model numbers for all cooling equipment installed.
3. Agralite Electric Co-op reserves the right to conduct random inspections of installations.
4. Customers must apply for Year 2010 rebates no later than November 30, 2010.
5. The customer is responsible for checking with Agralite Electric Co-op to determine whether funding is available and to verify program
6. The maximum rebate amount shall be the lesser of 50% of the project cost or \$100,000 (\$150,000 for retrofit projects with prior approval from GRE).

Notes:

- Rebate qualifications do not imply any representation or warranty of such equipment, design or installation by Agralite Electric Co-op. Agralite Electric Co-op shall not be responsible or liable for any personal injury or property damage caused by this equipment.

-Agralite Electric Co-op retains the right to make adjustments to correct incentive calculations if necessary. Energy savings calculations are estimates and may vary from actual results. A copy of this completed application form and an invoice's.



Application #: _____ AEC10-XXX

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Minimum Qualifying Criteria					
Equipment Type Unit Tons	Minimum Efficiency		Base Rebate, \$/ton	Incremental rebate, \$/ton per 0.010 kW/ton below base	Specific Rules
Chillers	FLV Efficiency kW/Ton	NPLV Efficiency kW/Ton			Chiller rebates are based on design conditions
	< 150 Tons	≤ 0.65	26.00	6.50	Include design conditions with invoice
	≥ 150 Tons	≤ 0.60	26.00	6.50	
≥ 150 Tons	≤ 0.60	≤ 0.56	22.75	2.60	
Cooling Towers	Over-sized only		\$3/nominal tower ton		
Air Handling Systems	Replace Constant		\$200/VAV Box		

FLV - Base Full Load Value (kW NPLV - Non-Standard Part Load Value (kW/ton)

Chillers < 150 tons (Centrifugal or Screw)							
Manufacturer	Model No.	# of Units	Tons/Unit	kW/Ton	Base Rebate	Incremental Eff. Rebate	Rebate
					\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -
Example of Total Rebate = [Base Rebate \$20 x Tons/Unit] + [Incremental Efficiency Rebate \$5 X (Min. Qualifying kW/Ton from table - equip kW/Ton from vendor)/.01 x Tons] X Number of Units							
						Project Cost	\$
Rebate must comply with all program specific rules and qualifications.						Rebate	\$ -
Chillers ≥ 150 tons (Centrifugal or Screw)							
Manufacturer	Model No.	# of Units	Tons/Unit	kW/Ton	Base Rebate	Incremental Eff. Rebate	Rebate
					\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -
Example of Total Rebate = [Base Rebate \$20 x Tons/Unit] + [Incremental Efficiency Rebate \$5 X (Min. Qualifying kW/Ton from table - equip kW/Ton from vendor)/.01 x Tons] X Number of Units							
						Project Cost	\$
Rebate must comply with all program specific rules and qualifications.						Rebate	\$ -
Chillers ≥ 150 tons (Centrifugal Only - NPLV)							
Manufacturer	Model No.	# of Units	Tons/Unit	kW/Ton	Base Rebate	Incremental Eff. Rebate	Rebate
					\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -
Example of Total Rebate = [Base Rebate \$17.50 x Tons/Unit] + [Incremental Efficiency Rebate \$2 X (Min. Qualifying kW/Ton from table - equip kW/Ton from vendor)/.01 x Tons] X Number of Units							
						Project Cost	\$
Rebate must comply with all program specific rules and qualifications.						Rebate	\$ -
Cooling Towers							
Manufacturer	Number of Units		Number of Tons		Rebate = \$3 X # Tons X # Units		
					\$ -		
					\$ -		
					\$ -		
						Project Cost	\$
Rebate must comply with all program specific rules and qualifications.						Rebate	\$ -
Air Handling Systems (VAV's)							
Manufacturer	Number of Units		CFM	Rebate = \$200 X # Units			
				\$ -			
				\$ -			
				\$ -			
						Project Cost	\$
Rebate must comply with all program specific rules and qualifications.						Rebate	\$ -

Agralite Electric Co-op retains the right to make adjustments to correct incentive calculations if necessary. Energy savings calculations are estimates and may vary from actual results. See page 1 for chiller rebate rules and specific guidelines.

Important: A copy of this completed application form and an invoice(s) is required before Agralite Electric Co-op issues incentives.

GRE Representative use only
Initial: _____
Date: _____

Agralite Electric Co-op

Date

Customer: 0

Application #: AEC10-XXX

Co-op: Agralite Electric Co-op, 320 E. Hwy 12, Benson, MN 56215-0228 (320) 843-4150
 Year: 2010 Rebate Application

Cooling Energy Savings

kW - Tons * kW/Ton

kW/Ton = 12/EER or SEER

For RTU's & Split Systems ≤ 5 Ton	Units	Tons/Unit	SEER or EER - Installed	kW/Ton	SEER or EER - Required	kW/Ton	FLH/Yr	kW Savings	Annual kWh Savings	Project Life	Lifetime Energy Savings
	-	-	-	-	-	-	866.00	-	-	15.00	-
	-	-	-	-	-	-	866.00	-	-	15.00	-
	-	-	-	-	-	-	866.00	-	-	15.00	-
	-	-	-	-	-	-	866.00	-	-	15.00	-
	-	-	-	-	-	-	866.00	-	-	15.00	-
								0.00	0.0		0

For RTU's & Split Systems > 5 Ton	Units	Tons/Unit	SEER or EER - Installed	kW/Ton	SEER or EER - Required	kW/Ton	FLH/Yr	kW Savings	Annual kWh Savings	Project Life	Lifetime Energy Savings
5.5 - 11.3	-	-	-	-	-	-	866.00	-	-	15.00	-
5.5 - 11.3	-	-	-	-	-	-	866.00	-	-	15.00	-
11.4 - 19.9	-	-	-	-	-	-	866.00	-	-	15.00	-
11.4 - 19.9	-	-	-	-	-	-	866.00	-	-	15.00	-
20.0 - 63.3	-	-	-	-	-	-	866.00	-	-	15.00	-
20.0 - 63.3	-	-	-	-	-	-	866.00	-	-	15.00	-
≥ 63.3	-	-	-	-	-	-	866.00	-	-	15.00	-
≥ 63.3	-	-	-	-	-	-	866.00	-	-	15.00	-
								0.0	0.0		0.0

RTU/Split System Total Energy Savings **-**

For PTAC's	Units	Tons/Unit	SEER or EER - Installed	kW/Ton	SEER or EER - Required	kW/Ton	FLH/Yr	kW Savings	Annual kWh Savings	Project Life	Lifetime Energy Savings
	-	-	-	-	-	-	866.00	-	-	15.00	-
	-	-	-	-	-	-	866.00	-	-	15.00	-
	-	-	-	-	-	-	866.00	-	-	15.00	-
	-	-	-	-	-	-	866.00	-	-	15.00	-
	-	-	-	-	-	-	866.00	-	-	15.00	-
								0.00	0.0		0

PTAC's Total Energy Savings **-**

Chiller	Units	Tons/Unit	kW/Ton - Installed	FLH/Yr	Max kW/Ton	kW Savings	Annual kWh Savings	Project Life	Lifetime Energy Savings
< 150 Tons	-	-	-	866.00	0.75	-	-	15.00	-
< 150 Tons	-	-	-	866.00	0.75	-	-	15.00	-
< 150 Tons	-	-	-	866.00	0.75	-	-	15.00	-
≥ 150 Tons	-	-	-	866.00	0.70	-	-	15.00	-
≥ 150 Tons	-	-	-	866.00	0.70	-	-	15.00	-
≥ 150 Tons	-	-	-	866.00	0.70	-	-	15.00	-
≥ 150 Tons	-	-	-	866.00	0.66	-	-	15.00	-
≥ 150 Tons	-	-	-	866.00	0.66	-	-	15.00	-
≥ 150 Tons	-	-	-	866.00	0.66	-	-	15.00	-
									-

Chiller Total Energy Savings **-**

Total kWh Savings **-**
 Total kW Savings **-**

Minimum Qualifying Criteria				Rebates		
Equipment Type	Unit Tons	EER	IPLV	Base Rebate \$/ton	Incremental \$/ton per 0.1 EER above base	
Packaged Terminal Air Conditioners (PTAC) with Elec. Resis. Htg with Heat Pump Htg		10.00		9.75	1.65	
		10.00		9.75	3.25	
Geothermal Heat Pumps Closed Loop Open Loop Direct Exchange		14.10	COP	18.00	5.00	
		16.20	3.60	18.00	5.00	
		15.00	3.50	18.00	5.00	
Rooftop Units (RTU)	< 65,000 Btuh	11.00	SEER	18.00	5.00	
	65,000 ≤ X < 135,000	5.5 - 11.3	10.30	10.60	18.00	5.00
	135,000 ≤ X < 240,000	11.4 - 19.9	9.70	9.90	18.00	5.00
	240,000 ≤ X < 760,000	20.0 - 63.3	9.50	9.70	18.00	5.00
	≥ 760,000	≥ 63.3	9.20	9.40	18.00	5.00
Split Systems < 65,000 Btuh	< 5.4	12.00(SEER)		18.00	5.00	
Condensers < 65,000 Btuh 65,000 ≤ X < 135,000 ≥ 135,000	< 5.4	12.00		18.00	5.00	
	5.5 - 11.3	10.30		18.00	5.00	
	≥ 11.4	10.10		18.00	5.00	
Chillers < 150 tons (Centrifugal or Screw) ≥ 150 tons (Centrifugal or Screw)* ≥ 150 tons (Centrifugal only)*		Full Load Efficiency kW/ton	Standard Part Load Value Efficiency kW/ton	Base Rebate \$/ton	Incremental rebate, \$/ton per 0.010 kW/ton below base	
		0.650	-	26.00	6.50	
		0.600	-	26.00	6.50	
	0.600	0.560	22.75	2.60		