



**Commercial, Industrial, & Agricultural
Custom Energy Rebate Grant
Dairy Plate Cooler (Well-Water Pre-Cooler)
2010 Rebate application**

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

Business Information

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:** _____

Custom Energy Rebate Guidelines

1. This program is applicable to the commercial / industrial and agricultural customers of Agralite Electric Co-op .
2. Customers and vendors must submit itemized equipment invoices along with grant applications and worksheet. To ensure that the equipment installed meets Agralite Electric Co-op's performance standards, the invoices must include: itemized labor charges, quantity, equipment price, model numbers, and manufacturer for all equipment included in the grant.
3. Customers must apply for Year 2010 Custom Energy Rebate no later than November 30, 2010.
4. The installation must be complete before rebate funds will be issued .
5. Agralite Electric Co-op reserves the right to conduct random inspections of installations.
6. The customer is responsible for checking with Agralite Electric Co-op to determine whether funding is available and to verify program parameters.
7. 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.)

Customer Signature: _____ **Date:** _____



**Commercial, Industrial, & Agricultural
Custom Energy Rebate Grant
Dairy Plate Cooler (Well-Water Pre-Cooler)**

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

Existing System Description (E)

Describe the existing system in terms of demand and energy requirements, efficiency, operating hours and the number of units being replaced. This data may be supplied in terms of production. Include supporting documentation and specifications as attachments as required.

Cows milked/day:	0
lbs. milk/cow/day:	0
Well water temperature:	47
Milking hours/day:	0
Compressor HP:	0

Standard bulk tank milk cooler -	0
Compressor kW	0.0

Project Type (E)	Maximum Demand (kW)	Summer Coincidental Demand (kW)	Annual Energy (kWh)
Standard refrigerated bulk tank cooler	Total -	-	-

New System Description (N)

Describe the new system in terms of demand and energy requirements, efficiency, operating hours and the number of units being replaced. This data may be supplied in terms of production. Include supporting documentation and specifications as attachments as required.

Install well water pre-cooler (plate cooler) that reduces energy required for cooling milk

New milk cooling energy:	-	kWh/yr
--------------------------	---	--------

Estimated (1) kW demand reduction as a result of shortened compressor run time

Project Type (N)	Maximum Demand (kW)	Summer Coincidental Demand (kW)	Annual Energy (kWh)
Dairy Well Water Pre-Cooler	Total (1.00)	(1.00)	-
Estimated Project Savings:	-	-	-



**Commercial, Industrial, & Agricultural
Custom Energy Rebate Grant
Dairy Plate Cooler (Well-Water Pre-Cooler)**

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

Worksheet Instructions: Enter required data in shaded area only.

Environmental Assurances

Describe how hazardous wastes which may result from this project will be handled:

Power Quality

Does the project meet power quality requirements:

Power Factor: yes / no

Harmonic Distortion: yes / no

If "yes" in either case, the cooperative should have a copy of the specification sheets on file at their office.

Removed Equipment

Describe how removed equipment will be made inoperable.

Trade Allies (contractor or supplier performing the work)

Name			
Address			
City, State, ZIP		Phone	

Demand & Energy Savings Calculations

Summer Coincidental Demand Savings:	$kW(E) - kW(N) =$	<u> </u> - kW
Average Demand Savings:	$kW(E) - kW(N) =$	<u> </u> - kW
Average Annual Energy Savings:	$kWh(E) - kWh(N) =$	<u> </u> - kWh

Estimated Annual Demand Savings:

<u> </u> - kW	<u> </u> / kW	x	<u> </u> / Months	=	\$ <u> </u> -
	Demand Rate - \$/kW				

<u> </u> - kW	\$ <u> </u> -	/ kW	x	<u> </u> / Months	=	\$ <u> </u> -
	Demand Rate - \$/kW					

(Second line - two tier or seasonal rates)

Total Demand Cost Savings: \$ -

Estimated Annual Energy Savings:

<u> </u> - kWh/month	<u> </u> / kWh	x	<u> </u> / Months	=	\$ <u> </u> -
	Energy Rate - \$/kWh				

<u> </u> - kWh/month	\$ <u> </u> -	/ kWh	x	<u> </u> / Months	=	\$ <u> </u> -
	Energy Rate - \$/kWh					

(Second line - two tier or seasonal rates)

Total Energy Cost Savings: \$ -

Estimated Total Savings: \$ -

(Enter required data in shaded area only)

Enter Total Project Cost:	<u>\$</u> <u> </u> -	<i>(Incremental Cost: Standard vs. High Efficient)</i>
Enter Requested Rebate Amount:	<u>\$</u> <u> </u> -	<i>(Maximum rebate amount shall be the lesser of 50% of the project cost or \$100,000 [\$150,000 for retrofit projects with prior approval].)</i>
Benefit Cost Ratio:	#DIV/0!	<i>(Must be ≥ 2.00 - Increase BCR to meet all criteria)</i>
After Rebate Project Cost:	<u>\$</u> <u> </u> -	
Simple Payback After Rebate (yrs)	#DIV/0!	<i>(SPB Must > 1 yr.)</i>