CONNEXUS® ENERGY
Your Community Energy Partner

2009 Commercial, Industrial & Agricultural Custom Energy Rebate Application
Dairy Plate Cooler (Well-Water Pre-Cooler)

Connexus Energy, 14601 Ramsey Blvd., Ramsey, MN 55303, 763-323-2600

Business Name: _____

Mailing Address: _____ **Phone** _____

_____

Installation Address: _____

(if different from above) _____

Account Number: _____

Contact Name: _____ **Phone** _____

Email Address: _____

Type of Business _____ **SIC Code** _____

Taxpayer ID# _____ **Estimated Completion Date** _____

Co-op Rep: _____ **Date** _____

Pre-approved By: _____ Amt. _____ **Date** _____

Qualifying Customers: Applicable to commercial, industrial and agricultural customers of Connexus Energy.

Rebate Program: Connexus Energy offers rebates to our customers who purchase and install qualifying energy-efficient Dairy Plate Coolers.

Other Important Program Rules

1. The Dairy Plate Cooler Custom Energy Rebate application must be pre-approved by Connexus Energy.
2. Installation must be complete before funds will be issued for the rebate.
3. Customers and vendors must submit itemized equipment invoices along with grant applications, and worksheet. To ensure that the equipment installed meets Connexus Energy's performance standards, the invoices must include: itemized labor charges, quantity, equipment price, model numbers, manufacturer for all equipment included in the grant.
4. Connexus Energy reserves the right to conduct random inspections of installations.
5. The customer is responsible for checking with Connexus Energy to determine whether funding is available and to verify program parameters.
6. Rebate must comply with all program specific rules and qualifications
7. Qualifying customers must apply for Year 2009 rebates no later than November 30, 2009.
8. 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.)

The undersigned does hereby certify that:

1) The undersigned, and not Connexus Energy, is solely responsible for the accuracy of the information contained in this application
2) All rules of the rebate program have been followed
3) The installation is complete.
4) The undersigned acknowledges that nothing contained in the application shall impose any liability on Connexus Energy for the work performed and information presented by the customer's engineer, contractor, or vendor.

Customer Signature: _____ **Date:** _____

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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:		cows	
Milk Production - Avg. lbs. milk/cow/day:		lbs.	
Number of cows milked at oine time		cows	
Well water temperature:		degrees	
Milking hours/day:		hours	
Compressor HP:		HP	
			Compressor kW
Standard bulk tank milk cooler -		kWH Enrgy Use	

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			
Estimated Project Savings:				

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Business Name

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) = _____ kW
Average Demand Savings: kW(E) - kW(N) = _____ kW
Average Annual Energy Savings: kWh(E) - kWh(N) = _____ kWh

Estimated Annual Demand Savings:

_____ kW		$6.85	/ kW x	8	=	
		Demand Rate - $/kW		**Months**		
_____ kW		$10.80	/ kW x	4	=	
(Second line - two tier or seasonal rates)		**Demand Rate - $/kW**		**Months**		

Projected Annual Demand Cost Savings

Estimated Annual Energy Savings:

_____ kWh/month		$0.0523	/ kWh x	12	=	
Annual kWh / 12		Energy Rate - $/kWh		Months		
_____ kWh/month			/ kWh x		=	
Annual kWh / 12		Energy Rate - $/kWh		Months		
(Second line - two tier or seasonal rates)						

Projected Annual Energy Cost Savings
Estimated Total Savings:

Enter Total Project Cost:		*(Incremental Cost: Standard vs. High Efficient)*
Enter requested rebate amount:		*(Maximum rebate amount shall be the lesser of 50% of the project cost or $100,000 [$150,000 for retrofit projects with prior approval).*
Benefit Cost Ratio:		*(Must be ≥ 2.00 - Increase BCR to meet all criteria)*
After rebate project cost:		
Simple Payback after rebate (yrs)		*(SPB Must > 1 yr.)*