

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued
Table 9 – Farm and Dairy Equipment Incentives

<u>Equipment Type</u>	<u>Equipment Category</u>	<u>Minimum Efficiency Requirements</u>	<u>Customer Incentive</u>
<u>Automatic Milker Takeoffs (Retrofit Only)</u>	==	Equipment must be able to sense milk flow and remove milker when flow reaches a pre-set level. The vacuum pump serving the affected milking units must be equipped with a VFD. Incentive is available for adding automatic milker takeoffs to existing milking systems, not for takeoffs on a brand new system where there were none before. Replacement of existing automatic milker takeoffs is not eligible for this listed incentive, but may qualify for a Custom Energy Efficiency incentive. Equipment must be able to sense milk flow and remove milker when flow reaches a pre-set level. The vacuum pump serving the affected milking units must be equipped with a VFD to slow the vacuum pump's speed when demand for vacuum is reduced. Incentive available for retrofit only. Replacement of existing automatic milker takeoffs is not eligible for incentives, except where the Company permits as a Custom Energy Efficiency Incentive.	\$235 each
<u>Agricultural Engine Block Heater Timers</u>	==	Timer must be a UL-listed device and rated for a minimum of 15 amps continuous duty.	\$10 each
<u>High-efficiency Circulating Fans (See Note 2)</u>	12-23" Diameter	Fans must achieve an efficiency level of 11 cfm/Watt	\$25/fan
	24-35" Diameter	Fans must achieve an efficiency level of 18 cfm/Watt	\$35/fan
	36-47" Diameter	Fans must achieve an efficiency level of 18 cfm/Watt	\$50/fan
	>48" Diameter	Fans must achieve an efficiency level of 25 cfm/Watt	\$75/fan
<u>Heat Reclaimers</u>	==	Heat recovery unit must use heat rejected from milk cooling refrigeration system to heat water. Customer must use electricity for water heating. Heat reclaimer must use waste heat from refrigeration compressor to heat water. Customer must use electricity to heat water.	\$0.15/kWh annual energy savings \$220/condenser kW
<u>High-efficiency Ventilation Systems</u>	12-23" Diameter	Fans must achieve an efficiency level of 11 cfm/Watt	\$45/fan

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<u>(See Note 2)</u>	<u>24-35" Diameter</u>	<u>Fans must achieve an efficiency level of 13 cfm/Wattw</u>	<u>\$75/fan</u>
	<u>36-47" Diameter</u>	<u>Fans must achieve an efficiency level of 17 cfm/Wattw</u>	<u>\$125/fan</u>
	<u>≥48" Diameter</u>	<u>Fans must achieve an efficiency level of 19.5 cfm/Wattw</u>	<u>\$150/fan</u>
<u>Milk Pre-coolers</u>	<u>--</u>	<u>The equipment must cool milk with well-water before it reaches the bulk cooling tank.</u>	<u>\$0.15/kWh annual energy savings</u> <u>(See Note 3)</u>

(Continued)

Table 9 – Dairy/Farm Equipment Incentives (Continued)

Equipment Type	Equipment Category	Minimum Efficiency Requirements	Customer Incentive
Programmable Ventilation Controllers	—	The equipment must control ventilation fans based on temperature or other applicable factors such as humidity, odor concentration, etc.	\$20/fan controlled
Variable Frequency Drives for Dairy Vacuum Pumps (Retrofit Only)	—	The equipment must vary the motor speed in accordance with the air flow needs of the vacuum system. Incentive available for retrofit only for systems without an existing VFD.	\$165/hp

Notes for Table 9:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Fan performance must be rated by an independent testing body in accordance with the appropriate ANSI/AMCA standards.
3. Incentives are paid at \$0.15/kWh annual energy savings. Milk Pre Cooler energy savings subject to approval by the Company.
4. Except where noted, all equipment listed in the table will be eligible for incentives in both New Construction and Retrofit projects.

AMCA = Air Movement & Control Association International, Inc.

ANSI = American National Standards Institute

CFM = Cubic Feet per Minute

VFD = Variable Frequency Drive

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