

## Incentives for dairy/farm equipment

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
<b>Automatic Milker Takeoffs</b> (Retrofit only)	--	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. Replacements of existing automatic milker takeoffs are not eligible for incentives, except where Pacific Power permits as a custom energy efficiency incentive.	\$235 each
<b>Agricultural Engine Block Heater Timers</b>	--	Timer must be a UL-listed device and rated for a minimum of 15 amps continuous duty.	\$10 each
<b>Circulating Fans</b> (See note 2)	12-23" diameter	Fans must achieve an efficiency level of 11 cfm/W	\$25/fan
	24-35" diameter	Fans must achieve an efficiency level of 18 cfm/W	\$35/fan
	36-47" diameter	Fans must achieve an efficiency level of 18 cfm/W	\$50/fan
	≥ 48" diameter	Fans must achieve an efficiency level of 25 cfm/W	\$75/fan
<b>Heat Reclaimers</b>	--	Heat reclaimer must use waste heat from refrigeration compressor to heat water. Customer must use electricity to heat water.	\$220/condenser kW
<b>High Efficiency Ventilation Systems</b> (See note 2)	12-23" diameter	Fans must achieve an efficiency level of 11 cfm/W	\$45/fan
	24-35" diameter	Fans must achieve an efficiency level of 13 cfm/W	\$75/fan
	36-47" diameter	Fans must achieve an efficiency level of 17 cfm/W	\$125/fan
	≥ 48" diameter	Fans must achieve an efficiency level of 19.5 cfm/W	\$150/fan
<b>Milk Pre-Coolers</b>	--	The equipment must cool milk with well-water before it reaches the bulk cooling tank.	See note 3
<b>Programmable Ventilation Controller</b>	--	The equipment must control ventilation fans based on temperature or environmental settings.	\$20/fan controlled
<b>Variable Frequency Drives for Dairy Vacuum Pumps</b> (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 dairy/farm equipment incentives:

- Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
- Fan performance must be rated by an independent testing body in accordance with the appropriate ANSI/AMCA standards.
- Incentives are paid at \$0.12/kWh annual energy savings + \$50/kV average monthly demand savings. Milk pre-cooler energy and demand savings subject to approval by Pacific Power.
- 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  
VFD = Variable Frequency Drive



Let's turn the answers on.