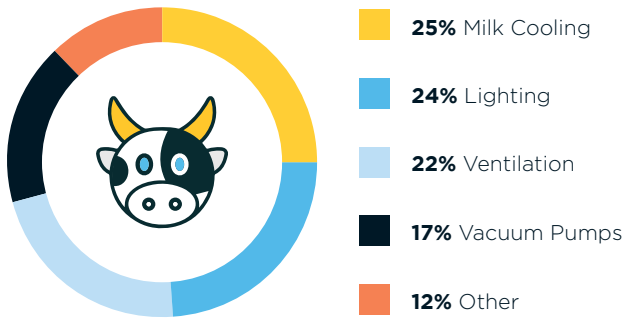


## Energy Efficiency on the Dairy Farm

Dairy farms use more energy than ever before. Farms today are larger, use more automated equipment and operate around the clock to meet society's needs. Each year, the average dairy farm in the United States typically consumes 800 to 1,200 kilowatt-hours per cow. Half of the total energy used on a dairy farm goes toward milk-production equipment such as milk cooling, vacuum pumps, and water heating. However, lighting and ventilation also contribute to high energy use<sup>1</sup>.

NIPSCO's energy-saving measures can help cut these numbers, helping boost your farm's bottom line.

### How Dairy Farms Use Energy<sup>1</sup>



**Note:** The "Other category combines all end uses that consume less than 5% of the overall energy for this sector, including electrical water heating, manure handling, and feeding equipment.

### Top Technology Uses for Dairy Farms

- Cooking & Refrigeration
- Lighting
- Ventilation & Air Handling

<sup>1</sup>ouc.bizenergyadvisor.com/article/dairy-farms



### Quick Tips to Save Energy

- **Turn lights off** when not in use or use timers and sensors to automate control of your lighting.
- **Install smart thermostats** in the barn to help control fans and conserve energy.
- **Clean lighting fixtures and bulbs** to make sure they perform as expected.
- **Check your pipeline-washing system.** Using less water will reduce water-heating costs.
- **Wash and maintain pumps** periodically to keep them performing well.
- **Clean fans and shutters regularly** to reduce energy usage by as much as 40%.

### Get Started Saving!

Now that you know what to upgrade, visit [trcsavesenergy.com/TradeAlly/TradeAllySearch](https://trcsavesenergy.com/TradeAlly/TradeAllySearch) to find an experienced contractor or contact a Field Engineer in your area by visiting [trcsavesenergy.com/Home/ContactUs](https://trcsavesenergy.com/Home/ContactUs) or calling **1-800-299-2501**.



## Prescriptive Agriculture Incentives

Efficient Equipment Replacement		Unit	Incentive
<b>Electric Measures</b>			
	Dairy Refrigeration Heat Recovery	Unit	\$3,500.00
	Engine Block Timer <i>(Replacing Manual Engine Block Heater)</i>		\$10.00
	High Speed Fans (24-35 in.)		\$39.00
	High Speed Fans (36-47 in.)		\$65.00
	High Speed Fans (48-71 in.)		\$110.00
<b>NEW</b>	High Volume Low Speed Fan – Dia. < 18.0 ft.		\$715.00
<b>NEW</b>	High Volume Low Speed Fan – 18 ft. ≤ Dia. > 24 ft.		\$900.00
<b>NEW</b>	High Volume Low Speed Fan – Dia. ≥ 24 ft		\$1,000.00
	Milk Pre-Cooler <i>(Replacing Milk Bulk Tank without Cooler)</i>		\$1,550.00
	VSD Milk Pump w/ Plate Cooler Heat Exchanger <i>(Replacing Constant Speed Milk Transfer Pump)</i>		\$1,600.00
	Low Pressure Sprinkler Nozzle	\$1.10	
<b>Natural Gas Measures</b>			
	Dairy Refrigeration Heat Recovery	Unit	\$121.00
	Greenhouse Thermal Curtains	Square Feet	\$0.55
	Infrared Film for Greenhouse		\$0.02

*Incentivized measures must replace costly, less efficient systems or equipment on a one-for-one basis.*

\*If the customer participates in the Midstream Channel by purchasing qualifying equipment from a participating distributor, they are not eligible to participate in the Custom, Prescriptive, SBDI, New Construction or any other NIPSCO programs for an incentive on the same piece of equipment.