

Fans keep cows cool, and cool cows give more milk



Eight HVLS fans displace

3,014,432

cubic feet
of air per minute

Energy savings:

174,313

kWh

Kie Farms

St. Mary's, ON

Installed energy-efficient fans to keep their cows cool during hot summer months

HVLS FANS

- Eight 24-foot, 6-blade high-volume low-speed (HVLS) fans were installed

VERIFIED SAVINGS

- Demand savings: 60.3 kW
- Energy savings: 174,313 kWh

INCENTIVES

- \$21,101 under the **HIGH PERFORMANCE NEW CONSTRUCTION** program



Find out about Hydro One incentive programs

At Kie Farms in St. Mary's, they milk over 440 cows and produce approximately 5.5 million litres of milk a year. They have five barns in all: three dairy barns, a heifer barn and a calf barn.

Dirk and Erica Kiestra, together with Dirk's parents, manage the family farm. Dairy farmers know that keeping their cows content pays off. Erica said, "Cows like to be cool. When they get hot, they produce less milk. Our barns are all ventilated, and we wanted to add fans to improve air flow and temperature control in the summer."

INSTALLER RECOMMENDED ENERGY-EFFICIENT HVLS FANS

"Our installer helped us choose the energy-efficient HVLS fans. He also helped with the incentive application process. We're very pleased with both the fans and the incentive," said Erica.

THE BENEFITS OF HVLS FANS

- On average, an HVLS fan is 18% more energy efficient than a high-speed basket fan
- Test cases show that 17 HVLS fans can do the job of 100 high-speed fans
- Each HVLS fan cools a much larger area for more consistent ventilation control

At Kie Farms, a total of eight 24-foot, 6-blade HVLS fans were installed in their new dairy barn. Incentives were based on air displacement of \$7 per 1,000 cubic feet per minute (CFM). The eight fans displace 3,014,432 CFM for an incentive of \$21,101 under the **HIGH PERFORMANCE NEW CONSTRUCTION** program.

THE SOONER YOU SIGN UP, THE SOONER YOU SAVE

Hydro One offers significant financial incentives to encourage businesses and industries of all types to better manage their electricity use.

Funding is available for energy audits, retrofits, process and systems upgrades, chilled water systems upgrades, high performance new construction and demand response participation.

Get on the fast track to energy efficiency. Contact us to get started.

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