



“We are very pleased with our savings as a result of the YANMAR CHP system. The unit is very quiet, and we have had no issues and no need to complete maintenance within the first year.”  
- Steeple High Farm



### **Project Overview**

Steeple High Farm is a 24,000 square foot turkey breeding barn located in Shakespeare, Ontario. The barn is located in a remote area and uses several pieces of energy, efficient automated equipment. In addition, the facility has a need for heat more than 200 days a year in order to keep the baby chicks warm. Due to this, the customer used Faromor CNG Corporation to install a YANMAR CP10WN-SN unit with blackout start to serve the building's heat and electrical needs.

### **Reason for Choosing YANMAR**

Because Steeple High Farm is located in a remote area, the electric delivery fee is much higher than in the city. And, with a significant amount of electricity being used for the lights, auto feeder, remote ventilation controller, etc., the customer wanted to reduce their costs by using less expensive, cleaner natural gas.

The system itself is very quiet, and offers reliable operation with a long maintenance interval of 10,000 hours.

In addition, the customer was able to eliminate the need for a separate back up generator by choosing YANMAR's blackout start option, which allows for continuous heat and power even if the grid is down. In fact, the customer runs the 10 kW unit in blackout mode continuously.

### **About YANMAR America Energy Systems**

YANMAR America Energy Systems in the North, Central and South American headquarters for the company's Variable Refrigerant Flow and Combined Heat and Power systems. Our team and products are focused on sustainability, reliability, and efficiency.



# QUICK FACTS

**APPLICATION:** Farm **LOCATION:** Shakespeare, ON **COMMISSIONING DATE:** May 2017  
**PRODUCT INSTALLED:** CP10WN-SN **RESULTS:** Quiet operation: 54 dB(A) at 3 ft. / Clean, efficient natural gas / 10,000-hour maintenance interval



## RESULTS

- The CP10WN has resulted in an average monthly savings of \$550 by switching to natural gas driven electric and heat production.
- The unit operates for 360 hours per month on average.

## CONCLUSION

The project successfully demonstrates the application of YANMAR's CHP systems for a farm. The unit has lived up to its promise of high reliability and savings during the first year of operation due to a well-designed project application.

**YANMAR CHP Savings - July through December 2017**

