



**MANS ORGANIC
COALDALE, AB, CANADA**



“We are very happy about YANMAR CHP During month of April our electricity bill was net export. Installation was very smooth and we very happy about local dealer Co-Genenergy’s support. Looking forward to saving CO2 and utility cost.”

PROJECT OVERVIEW

Mans Organic is a family-owned and operated farm started in 1994 located in Coaldale, AB Canada. Mans Organic grows organic produce such as cucumbers, tomatoes, peppers and more. They have both a large outdoor field as well as multiple indoor greenhouses. The indoor greenhouses allow them to grow all year round.

Mans Organic installed a YANMAR 35KW CHP unit to offset high electrical use and to recover heat from existing hydronic loop for their warehouse heating. The CHP unit installation was handled by YANMAR partner Co-Genenergy, Calgary AB.

REASON FOR CHOOSING YANMAR

YANMAR CHP was selected for the energy savings possibilities. The CHP system would reduce peak utility cost, CHP uses natural gas to create electricity and heat. Additionally, the CHP unit will help lower their carbon footprint. The YANMAR CHP installation was simple allowing for basic engineering and integration into their building management system.

ABOUT YANMAR AMERICA ENERGY SYSTEMS

YANMAR America Energy Systems is the North, Central and South American headquarters for the company’s Variable Refrigerant Flow and Combined Heat and Power systems. YANMAR’s Energy Systems division began operation in 1984, and today has installed

more than 375,000 Combined Heat and Power (CHP or cogeneration) and Variable Refrigerant Flow (VRF) Natural Gas Heat Pump systems worldwide. Our team and products are focused on sustainability, reliability, and efficiency.



MANS ORGANIC COALDALE, AB CANADA

QUICK FACTS

APPLICATION: Indoor Agriculture
LOCATION: Coaldale, Alberta
PRODUCT INSTALLED: CP35D1-TNUG

OVERVIEW

Reduced operation costs
 Reduced installation costs
 Quiet Operation
 Building Management Integration

RESULTS

It is estimated the CHP will save 100 tons of CO2 every year. They also save on natural gas costs from no longer having to run a boiler.

The initial investment cost was supported from the Emissions Reduction Alberta incentive. Mans Organic is also doing net metering, additional electricity can be exported back to the grid that can be used for credit for high consumption times.

Initially Mans Organic had concerns about noise, they were happy with how quiet the CHP system is. Furthermore, the YANMAR CHP easily integrated with their Building Management System.

