THE CONNECTION
NEW HAVEN, CONNECTICUT

PROJECT OVERVIEW

The Connection, Inc. is a transitional living environment for people in recovery in New Haven, Connecticut. The five floor building consists of four floors with housing and a bottom floor with offices and clinics. Two YANMAR CP10WN units were installed to provide electricity and hot water to the housing units with the use of the grid and existing boilers as back up.

REASON FOR CHOOSING YANMAR

The customer's main reason for selecting the YANMAR Combined Heat and Power systems was their ability to reduce operating costs. Natural gas is a much more cost effective alternative than grid electricity; it is also a much more efficient method for providing heat and power to the building, while also increasing the resiliency of the building's existing heating system.

In addition to the economic savings and improved efficiencies, the customer was also sold on YANMAR's reputation for quality engines and a product with a long maintenance interval of 10,000 hours, which equates to less maintenance costs and downtime.

QUICK FACTS

Application: Multi-Family

Location: New Haven, Connecticut

Commissioning Date:
April 2014

Product Installed: CP10WN-SN x 2

Results:

- Clean, efficient natural gas
- 10,000-hour maintenance interval
- Consistently reliable operation

ABOUT CP10WN

Using natural gas, the CP10WN's high-efficiency generator provides 10 kW of electrical power. The engine heat is captured, and heats water at a temperature of 158°F for immediate use or storage in your facility.

THE CONNECTION
CP10WN-SN

"The system has worked with minimal problems, and the performance has exceeded our expectations. The units run continuously without much need for supervision, and have almost eliminated our boiler usage." - David Kyle, Facilities Manager

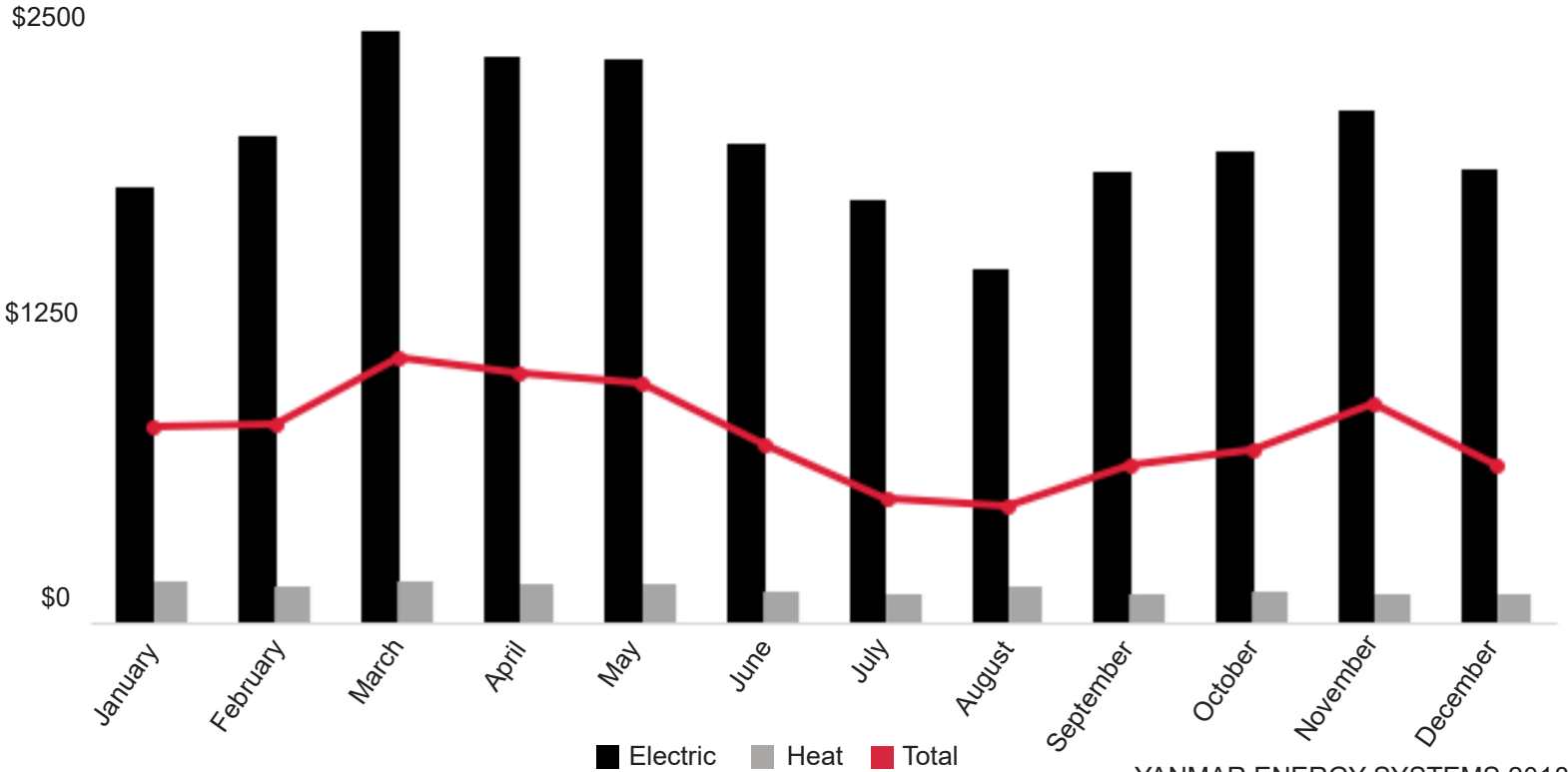
RESULTS

- The CP10WN system has resulted in an average monthly savings of almost $800 by switching to natural gas driven electric and heat production.
- The units operate for more than 1,100 hours per month on average.

CONCLUSION

- The project successfully demonstrates the application of YANMAR's CHP systems for a multi-family building. The units have lived up to its promise of high reliability and savings during their four years of operation due to a well-designed project application.

YANMAR CHP Savings - January through December 2015



YANMAR ENERGY SYSTEMS 2018
E18YMECAS04