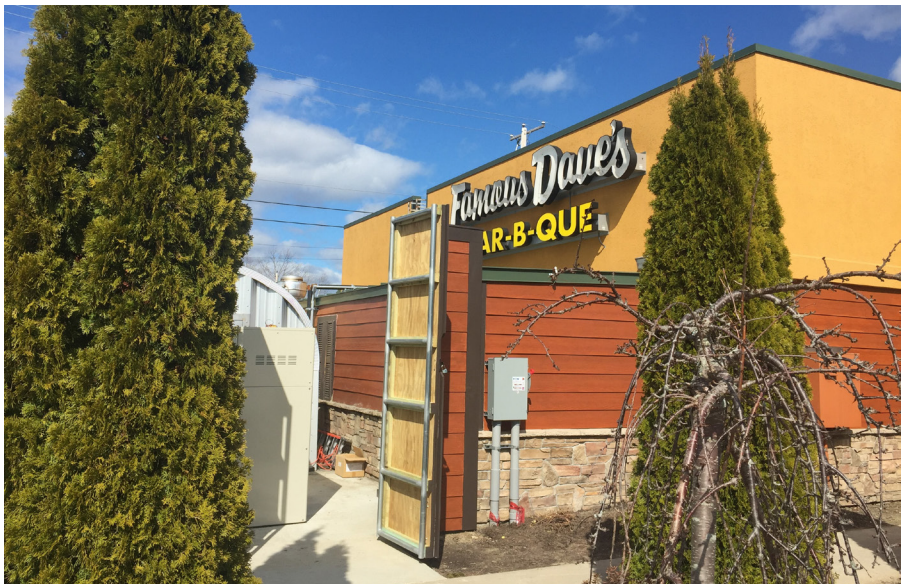
# FAMOUS DAVE'S SCARBOROUGH, MAINE

## PROJECT OVERVIEW

Famous Dave's is a well-known barbecue chain restaurant with locations across the United States. This particular restaurant is located in Scarborough, Maine south of Portland, and is 18,000 square feet with a seating capacity of 200 guests. Due to a lower demand for hot water, a single 35 kW CHP system was chosen to service the heat load for the building while also providing electricity.




## REASON FOR CHOOSING YANMAR

As is a trend for many commercial buildings, Famous Dave's in Scarborough, Maine was interested in adding environmentally-friendly technology while also lowering the energy costs of their building. Through a state grant program, Efficiency Maine, they were able to meet strict efficiency criteria, which helped lower the installation cost of the system.

In addition to efficiency, the YANMAR system provides high reliability with a 7,500 hour maintenance interval and the ability to add remote monitoring capabilities. The maintenance manager of the property was familiar with YANMAR's marine engines, which are also known for their durability, and the engine technology in the CHP system is similar.

Another key feature with a restaurant is quiet operation. YANMAR's CP35D1-TNUG is able to operate at 62 dB(A) from 3 feet away, which ensures that restaurant patrons have an enjoyable experience.

## QUICK FACTS

**Application:** Restaurant

**Location:** Scarborough, Maine

**Commissioning Date:**
April 2018

**Product Installed:** CP35D1-TNUG

**Results:**

- Quiet operation: 62 dB(A) at 3 ft.
- Consistently reliable operation
- Clean, efficient natural gas

## ABOUT CP35D1

Using natural gas, the CP35D1's high-efficiency generator provides 35 kW of electrical power. The engine heat is captured, and heats water at a rated temperature of 176°F for immediate use or storage in your facility.

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# FAMOUS DAVE'S
## CP35D1-TNUG

**"After installation, the system has run flawlessly. You can't hear it running, but you can see that our boilers are not operating. We require a large quantity of hot water for dish washing, and the electric booster does not need to run very often, which has lowered our electric bills. We are also looking forward to utilizing the heat for space heating during the long Maine winters." - John Winkle, Maintenance Manager**

### RESULTS

- Overall, the CP35D1's utilization is high, averaging 96% over three months.
- The CP35D1 has resulted in an average monthly savings of $2,200 by switching to natural gas driven electric and heat production.
- The unit has provided consistently reliable operation with less than an hour of downtime over three months.

### CONCLUSION

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

**YANMAR CHP Savings - June through August 2018**