

Rockland Bakery Combined Heat and Power Project

Chp system comprised of 3 Waukesha IC engines (VGF-18 GLD) Totaling 840kW of installed capacity. 655kW will be consumed on site to support the bakery, the remaining capacity(185kW)being exported to

BACKGROUND

Rockland Bakery, Inc. is a family owned, regional wholesale commercial bakery located in Rockland County serving Eastern New York State and Northeast New Jersey. The company has been doing business for approximately 34 years. The majority of its breads are cooked with LP steam, then browned in natural gas-fired ovens.

OBJECTIVE

To reduce energy costs and improve power reliability for a food services application in New York State.

DESCRIPTION

Rockland Bakery will install three (3) natural gas fired reciprocating engines to generate both electricity and low pressure steam. The steam will be used to reduce the consumption of natural gas currently fired in the cooking ovens. Overall efficiency is expected to exceed 80 %. Lean burn engine technology is being deployed to reduce emissions of NOx.

BENEFITS

1. Reduced energy cost for bakery.
2. Improve power quality and reliability in critical area on the grid (end of radial distribution line).

Funding	Encumb to Date	Pending	Total Anticipated
CRM Energy Systems	\$618,617.00	\$0.00	\$618,617.00
NYSERDA	\$618,617.00	\$0.00	\$618,617.00
TOTALS	\$1,237,234.00	\$0.00	\$1,237,234.00

Manager	Torpey, Mark R.
Contracts	STD-7298
Contractors	CRM Energy Systems
Technologies	Cogeneration
Cities	Nanuet
Counties	Rockland