



- Gas fired absorption chillers
- 300 total refrigeration tons
- 50 room inn and conference center
- Wading River, NY



When master chef Kenney Barra began designing The Inn and Spa at East Wind with consulting engineer Kevin Koubek, they set out to design Long Island's next great landmark. With 50 guest rooms and over 30,000 square feet of convention and meeting space, the Inn would be able to accommodate groups of up to 1,000. As most chefs would when designing their own kitchen, Kenney planned on cooking with natural gas. Unfortunately, the land selected for this world-class project did not have gas service available, and the estimated cost to bring it to the property was nearly \$ 2,000,000. In working with the local gas company, they found the solution in using gas cooling. By using gas cooling in the guest rooms, common areas, restaurant, and laundry the local gas utility agreed to bring service to the property at no additional charge!

The guest rooms, common areas, restaurant and laundry are similar in that they represent a constant load that responds well to being baseloaded by gas fired absorption chillers. On the other hand, the convention area which forms the core of East Wind's catering business represents a varying load, with as many as 1000 guests using it at a given time. It was decided that the best way to meet this varying load was by using package rooftop units. By using both gas and electricity to cool the facility there is redundancy inherent in the design that gives the owner piece of mind. This is the essence of a CHCP (combined heating, cooling, and power) system, using multiple and sometimes redundant systems to meet a customer's needs.

**The Inn and Spa at East Wind uses natural gas to not only cook but also to cool.**



For more information on how Yazaki Energy Systems, Inc. can help with your cogeneration or gas cooling project, contact us at:

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