

ENVIRO-TEMP™

Commercial Heat Recovery Systems
by Turbotec

Cost-conscious hotels house Heat Recovery Units

Top priority at any good hotel is the comfort of the guests. Of equal importance, to the hotel owner, is the cost of operation. At a number of hotels and motels cost effective, energy savings procedures are underway. And, although the technical aspects of heat recovery probably aren't familiar to the typical hotel guest, these concepts are extremely important to hotel managers and maintenance supervisors whose jobs depend on operating at a profit.

Prerequisites for Heat Recovery

An establishment can benefit from heat recovery if it (1) uses air conditioners (or chillers), which discharge waste heat while in operation, and (2) requires hot water. Hotels and motels, large and small, urban and rural, luxury or efficiency usually meet these two requirements.

Testimonials from satisfied customers

To illustrate how efficient and economical Enviro-Temp Heat Recovery systems can be, we've documented comments from a few in our large base of satisfied customers.

Travel Lodge, Lumberton, North Carolina

The Travel Lodge at Routes I-95 and U.S. 74 in Lumberton, NC installed a 120-ton Enviro-Temp (formerly NES) heat recovery system at their 112-guest room facility. Owner and General Manager Mike Patel comments, "I'm completely satisfied with the [Enviro-Temp] NES heat recovery system. It saves me \$1500 a month. The [Enviro-Temp] NES heat exchanger was a smart investment."

The recovered heat is used to meet the domestic hot water requirements throughout the facility including the laundry and guest rooms.

Owner invites your calls

Mike Patel is so enthusiastic about the [Enviro-Temp] NES unit he's offered to share his experience with you. "I highly recommend the company and the product. If any of your potential customers want to call me for a reference, please have them do so." (Phone 919-738-1444)



St. Petersburg Hilton and Towers, St. Petersburg, FL

St. Petersburg Hilton and Towers, St. Petersburg, Florida

Pat Arnold, Chief Engineer at the St. Petersburg Hilton and Towers, supervised the complete renovation of that 333-room hotel. Two [Enviro-Temp]NES heat recovery units are used to pre-heat the water before it feeds the hot water boilers, increasing the temperature of the water from 75 F to 120 F. According to Pat ARnold, "Without the heat recovery system our costs for gas would greatly increase. We estimate the system is saving us \$17,000 per year."



Travel Lodge, Lumberton, NC

Sheraton Inn, Southern Pines, North Carolina

In Southern Pines, North Carolina the Sheraton Inn uses an [Enviro-Temp] NES 45-ton heat recovery system primarily for hot water requirements in the restaurant that serves the 160-room facility. Manager Don Calfee states, "The heat recovery unit was installed about four years ago and the estimated average monthly savings are \$375. In Fact, the heat recovery unit keeps the 500 gallon hot water tank full and keeps our gas bill low."

Heat Recovery brings numerous benefits

Don Calfee highly recommends the concept of heat recovery and appreciates the savings he's realized, not only in dollars but also with the air conditioning units which now operate with reduced head pressure. Another plus mentioned by Calfee is the maintenance free operation of the heat recovery units, which are in operation nearly year round.

Calfee also stressed the importance of dealing with a reputable company when selecting heat recovery systems, pointing out that the proper installation, followup inspections and systems service are essential if the owner is to realize the full benefits of a heat recovery system.

Turbotec tubing the key to efficiency

The heart of the [Enviro-Temp] NES heat recovery system is the patented Turbotec enhanced surface (spirally fluted) heat transfer tubing, fabricated into a highly efficient, all copper, counterflow tube-in-tube heat exchanger. The system recovers energy from the hot refrigerant gases of the air conditioners to heat potable water.

The vented, double wall construction of the tubing provides for maximum safety when heating potable water. The tubing vents to the atmosphere. In the unlikely event of a tube leak, it would be readily detected and repaired. Turbotec tubing meets all building code requirements and is UL listed for potable water.



Conserving Energy, Saving Money

For over 35 years Turbotec has supplied dependable heat recovery systems for residential, commercial, industrial and institutional applications.

Thousands of (NES) heat recovery systems are currently in operation worldwide, saving millions of dollars in energy costs each year.

Contact Turbotec's Heat Recovery sales office for more information on heat recovery systems appropriate for your application.



A world leader in enhanced heat transfer technology

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