

# RenewAire case study: St. Croix Casino

## *Difficult Challenge – Easy Solution*

**Challenge:** Provide a simple, cost effective solution to improving customer's indoor air quality.

**Solution:** RenewAire. Whether ventilating a commercial office building or a smoky bar and casino, RenewAire's energy recovery ventilators provide the answer. The RenewAire RTEC (rooftop end connect) series can be connected directly to packaged rooftop air handling units, providing the ultimate solution in fresh air ventilation.



### **Reasons why:**

Reliable fresh air ventilation using superior static plate energy recovery

Direct tie-in simplifies ventilation system design and installation

Enthalpic energy transfer for maximum savings

Factory available transition piece for use with most rooftop air conditioners

No roof penetrations

No exposed ductwork

No condensate pans or drains

Continuous fresh air ventilation with energy recovery without the need for preheaters or defrost strategies

Allows for true equipment downsizing because ventilation air is always being tempered

Achieve acceptable mixed air temperatures across coils even with high fractions of outdoor air and extreme design conditions

Eliminate need for costly and wasteful make-up air furnaces

Manufactured in Madison, WI for 20 years, using the worlds leading energy exchange element—the RenewAire core

10 year energy exchange core warranty

## *Sample Installation*

Project Summary
St Croix Casino Turtle Lake, WI RenewAire HE900RTEC 1000 CFM Fresh Air (w/7.5 Ton A/C unit)
Savings at design conditions: Heating Savings: 65,000 btu/hr Cooling Savings: 2 Tons
Mixed air temp across coils: At -25 F outside air: 58 F

