

# Lodging Applications

## *Reclaim Waste Heat from Air Conditioning*



According to National Grid, In the U.S., large hotels spend \$1.05 per sq/ft on electricity and \$0.25 per sq/ft on natural gas. In a typical lodging facility, lighting, space heating, and water heating represent close to 60 percent of total use, making those systems the best targets for energy savings.

### **The Multiaqua Solar Powered Heat Recovery Chiller is Ideal for Lodging Applications**

Meanwhile lodging facilities are rejecting an enormous amount of heat generated by cooling and waste water.

Waste heat can be used for water and space heating, improving building efficiency, reducing costs and carbon footprints.

The Multiaqua Solar Powered Heat Recovery Chiller harnesses the power of the sun to heat, cool and reclaim 100% of waste heat from cooling and other air and water sources. The Multiaqua System can also produce and store ice when the sun is shining or when grid power is cheapest. This stored energy can be used to provide solar energy whether the sun is shining or when grid power is most expensive.

#### **KEY FEATURES & BENEFITS**

- Powerful 5 ton chilled-water cooling, heating and heat recovery system
- Cascade multiple units for larger loads
- Recover waste heat from air or water
- Less maintenance and downtime
- Use power directly from solar PV, the grid or both
- Convert solar electricity to thermal energy and store for pennies on the dollar compared to batteries.

