

Dallas, Texas

LARGE HOTEL COMPLEX

Precision Refrigerants Use Case 2024

CHALLENGE

In an extensive investigation into improving energy efficiency, one of Texas's largest hotel complexes—spanning over 600,000 square feet and boasting more than 1,600 rooms—has embraced Precision Refrigerants cutting-edge solution to monitor and compare the performance of its air conditioning units. This initiative is not merely a routine check but a strategic move towards sustainability and cost-efficiency.

ABOUT PRECISION REFRIGERANTS

Precision is proud to introduce a groundbreaking solution to the market—a refrigerant designed to save up to 35% on energy costs. Our product stands at the forefront of climate technology, offering immediate relief from soaring energy prices and extreme weather. It doesn't just cut costs; it drastically reduces carbon emissions, aiding governments and corporations in their quest for a more sustainable footprint.



Up to 35% Energy Savings



True Drop In No Equipment Change Needed



Return On Investment Typical Payback 12-15 Months



SOLUTION

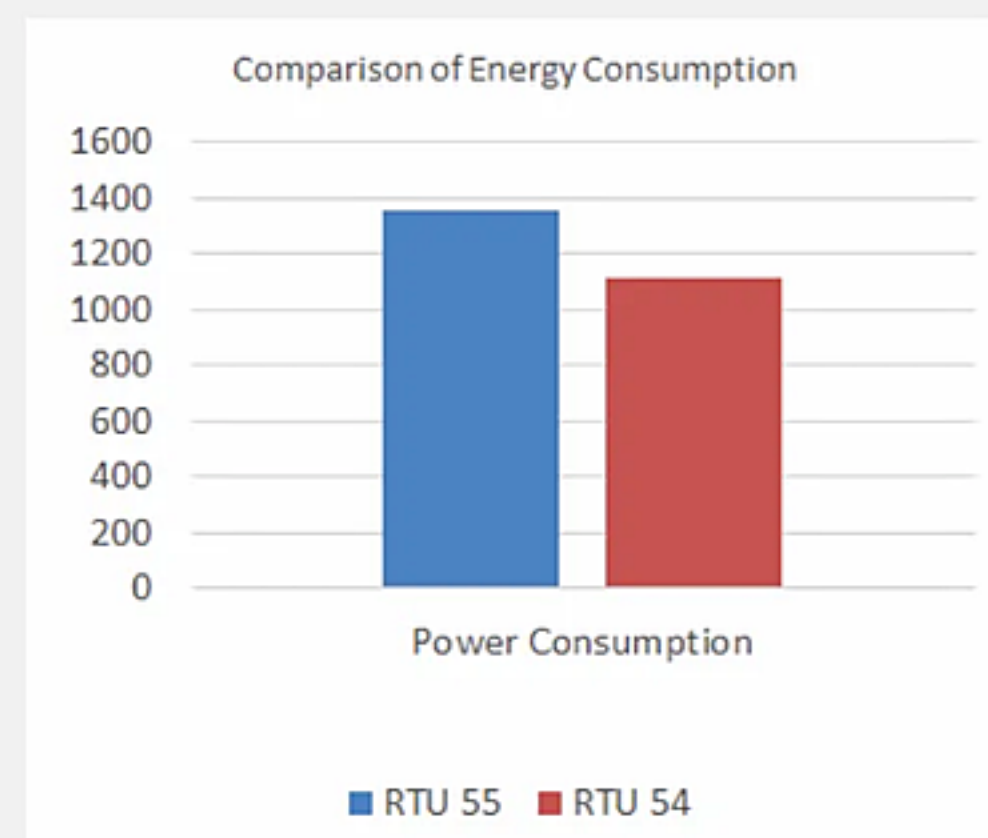
Hotel leadership selected Precision Refrigerants' field retrofitable refrigerant (ZR22 / ZR422B) a patented in-field replaceable refrigerant that enables customers to save electrical consumption in their HVAC or Refrigeration application simply by reclaiming the current refrigerant and replacing it with the equivalent Precision Refrigerant. The equipment selected were two 40-ton HVAC unit servicing a large conference center. A multi-week evaluation, divided into three equal phases including pre-metering, adjustment period and a post-installation period, was conducted to capture data, measure and compare results between the two units.

THE RESULTS

Reduction in energy consumption was achieved and no measured impact on comfort level was observed. This evaluation compared two identical units that served the same space.

Traditional Refrigerant (Control) vs Precision Refrigerant

- RTU 55 was the control unit with no changes.
- RTU 54 is the unit changed to Precision's Refrigerant.



**Energy Usage Reduction:
20%**