



Energy Efficiency Pilot Program Savings Summary

Type of Business:

Hotel

Number of Locations:

1

Number of IntelliHVAC Devices:

44

Engineering Consultants:

Tower Engineering

Average Annual IntelliHVAC Reduction:

\$965.27

Total Annual Cost Reduction:

\$42,471.88

Project ROI:

15.5 Months

Madison Energy worked with the North Raleigh Hilton (NC) to reduce energy costs by \$42,471 annually

Madison was able to prove the results of the project with the following process:

- Connected EKM meters to record baseline energy consumption
 - Install IntelliHVAC and record performance energy consumption
 - Download data and export to 3rd party engineers
 - Results were weather normalized and extrapolated
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How It Works:

*intelli*HVAC

Retrofits to 24V terminal and reduces energy via efficient fan control and compressor cycling. Variable timing on the post purge fan captures latent energy while intelligent cycling reducing unnecessary compressor run-time. Energy reduction 10-30%. Lifetime warranty.

