



Energy Efficiency Pilot Program Savings Summary

Type of Business:
Hotel

Number of Locations:
2

Number of IntelliPTAC Devices:
280

Number of IntelliHVAC Devices:
14

Engineering Consultants:
HMS Engineering / Tower Engineering

Average Annual IntelliPTAC Reduction:
\$356.41

Average Annual IntelliHVAC Reduction:
\$1,622.38

Total Annual Cost Reduction:
\$122,508.12

Project ROI:
14.8 Months



Madison Energy worked with a Best Western Plus (NJ) franchise to reduce energy costs by \$122,508 annually

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

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

How It Works:

intelliPTAC

Retrofits to existing PTAC unit 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 10-20%. Three-year warranty.

intelliHVAC

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.

