



Energy Efficiency Pilot Program Savings Summary

Type of Business:

QSR

Number of Locations:

30

Number of EnerG² Devices:

60

Number of IntelliHVAC Devices:

120

Engineering Consultants:

HMS Engineering and Tower Engineering

Average Annual EnerG² Reduction:

\$590.50

Average Annual IntelliHVAC Reduction:

\$1,215.44

Total Annual Cost Reduction:

\$181,282.80

Project ROI:

14.8

Madison Energy worked with a Popeyes franchise (MD) to reduce energy costs by \$181,282 annually

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

- Connected Dent TOU and EKM Meters to record baseline energy consumption
 - Install EnerG² and 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:



Retrofits to existing thermostat and provides a more accurate means of temperature measurement by simulating food product via a proprietary gel compound. Energy reduction 15-25%. Compressor reduction 40-60%. Lifetime warranty.



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.

