

## Scientific Studies and Validation: Reduction in Energy Consumption

The following scientific test was conducted by the Engineering Services Division of Shermco Industries of Dallas, Texas. The test, conducted at the CiCi Pizza store in Plano, Texas, was concluded in November of 2006.

### Project Scope

AVIVE Performance Panels™ were installed at the CiCi Pizza store. The goal of the test was to **determine the power consumption of the walk-in cooler at the site before and after AVIVE Performance Panels™ were installed in the cooler.** The following findings were observed.

### Data Recorded

A PowerLogic 820 revenue class meter was installed on the condenser to the walk-in cooler. The walk-in cooler was approximately 10' x 10' x 8'. Shermco Industries recorded power consumption in kilowatt hours (kWh)

with, and without the AVIVE Performance Panels™.

The test without AVIVE Performance Panels™ began on September 29, 2006, and concluded October 13, 2006.

The test with AVIVE Performance Panels™ began on October 20, 2006 and concluded on November 3, 2006.

Both testing periods lasted a total of 15 days.

### Summary Result

During this test, Shermco Industries was able to document a **19.46% reduction in energy** as measured in kWh.

