



THE MISSED OPPORTUNITY IN BUILDING RETROFITS

HOW COMMERCIAL REFRIGERATION TECHNOLOGY CAN INCREASE ENERGY SAVINGS AND PROJECT SIZE FOR PERFORMANCE CONTRACT PROJECTS

BY MARYBETH YANNESSA, PROJECT ENGINEER, REFRIGERATION TECHNOLOGIES LLC

What do The Pentagon, School Districts, Fort Knox, Fort Campbell, The VA, Universities, Restaurants, Pharma, Hospitals, and Convenience Stores have in common? They all have commercial refrigeration, and they are all sucking the cash out of your client's bottom lines. Look, I get it. It is not the shiny object that you may be looking for when performing audits, but it's low-hanging fruit and a missed opportunity that can deliver substantial payback, helping to fund higher ROI projects.

WHAT TYPES OF SAVINGS ARE YOU MISSING OUT ON?

Depending on the electric rates (some areas are higher, and some are lower per kWh), the average savings just to change a Shaded Pole Motor in an Evaporator Box to an ECM Motor is 68%; the reduction in the defrost is 68% and the compressor run time is 31% offering an overall average saving of 45% for walk-in boxes. Plus, if the facility has reach-in refrigeration, the savings for a reach-in cooler—80% and freezer—65% energy! That is the hard savings. What about the soft savings? Carbon Reduction—Checked! Refrigerant Reduction—Checked! Predictive versus Reactive Analytics—Checked! Less overall Maintenance—Checked! The list goes on and on about the soft savings that our end-user clients are seeing.

SO, WHAT IS THE ROI?

Installed, again, based on kWh rate—less than 7 years! Do we have your attention yet? Not only are you missing out on all of the new projects that you may be looking at today, but open up the filing cabinets and start mining all of the past clients who you missed this money-saving opportunity.

In short, Refrigeration Technologies, through ArtikControl™, is able to help our customers ably shoulder the burdens of energy costs and environmental pressures by taking a customized and comprehensive approach to achieving optimal energy management.

Inevitably, each customer comes to Refrigeration Technologies with different refrigeration configurations, equipment, needs and objectives, but all share the common requirement of reducing their energy consumption and cutting their utility costs. No company is better able to help commercial refrigeration customers achieve these goals.

If you would like more information on how to best save energy and, more importantly, money in your refrigeration operations, please contact us at 888-286-3091 or by email at myannessa@refrigerationtechnologiesllc.com. ❁



Refrigeration Technologies ArtikControl™ consistently monitors your walk-in coolers/freezers and sends out alarms via text and email alerts when problems arise so that any failure is discovered and addressed as quickly as possible.