



CUES

CHILLED UNIT ENERGY SAVER

CUES Delivers Phenomenal 3 Month Payback at Safeway!



Brief Overview

Safeway are one of the largest grocery retailers in North America with over 1,775 stores. They have a strong commitment to environmental protection, which includes adopting proactive measures to minimise waste. In harmony with this policy, a prominent division of Safeway agreed to trial CUES on one of their frozen warehouses. This resulted in a stunning payback of 3 months.

Following several consultations, they agreed a before and after trial with CUES on one of Safeway's largest energy consumers. Refrigeration represents a huge proportion of Safeway's energy bill and they were understandably eager to lower their costs and follow through on their commitment to reduce waste and minimize their carbon footprint.

An energy reduction of 5,063kWh or 12%

The Project

During a two week monitoring period WITHOUT CUES the compressor for the warehouse consumed 43,174kWh of energy. Following this initial test, CUES was installed and the compressor was monitored over the same time period. During the second test WITH CUES...

...the compressor used 38,111 kWh of energy. This demonstrated an energy reduction of 5,063kWh or 12%.

Although this represented an excellent result, it was noted during the second test that the air temperature inside the freezer was consistently two degrees colder than it was during the first test - revealing the potential to increase the savings by increasing the set-points on the internal thermostats by two degrees.

This would likely bring the average freezer temperature back to its original operating condition, while further reducing the energy consumed.