



26% Energy Reduction



64% Increase – Compressor Life



Final savings amount

Predicted Lifetime Value: **\$7,743**



Compressor Life

The national average price of a new compressor with refrigerant and install is \$9,000 with an expected lifespan of 10 years. A 65% increased lifespan on a brand new unit would represent a lifespan increase of **6.4 years** and a savings of **\$5,760**.



Project

Initial data monitoring period WITHOUT CUES* yielded that the compressor used 480.85 kWh of energy and cycled 434 times. Following this initial survey, CUES* was installed and temperatures were adjusted to achieve the desired range. Over the same time period WITH CUES*...

...the compressor used 193.31 kWh of energy and cycled 148 times. This demonstrated a compressor cycle reduction of **64%** and an energy reduction of **26%**.

*CUES - Chilled Unit Energy Saver

