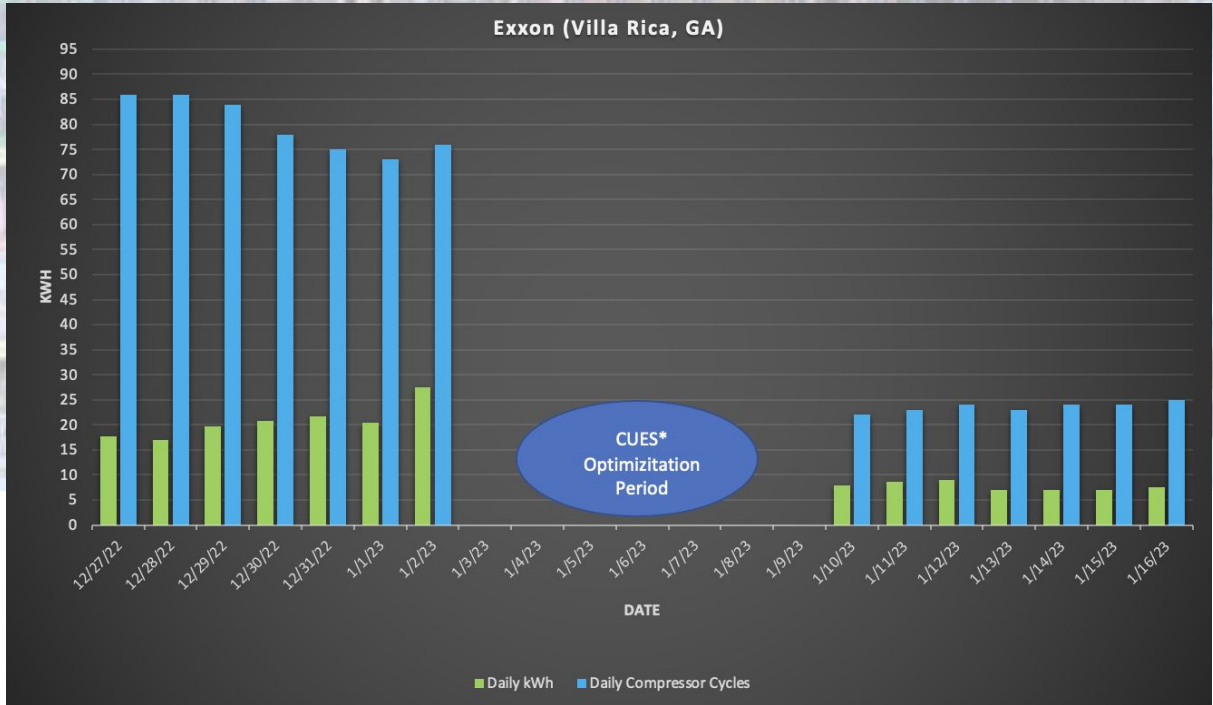




61% Energy Reduction



71% Increase – Compressor Life



Final Value Amount

Predicted Lifetime Value: **\$7,567**



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 71% increased lifespan on a brand new unit would represent a lifespan increase of **7.1 years** and a savings of **\$6,390**.



Project

Initial data monitoring period WITHOUT CUES* yielded that the compressor used 138.18 kWh of energy and cycled 558 times. Following this initial survey, CUES* was installed and temperature was adjusted to achieve the desired range. Over the same time period WITH CUES*...

...the compressor used 53.98 kWh of energy and cycled 168 times. This demonstrated a compressor cycle reduction of **71%** and an energy reduction of **61%**.

*CUES - Chilled Unit Energy Saver

