

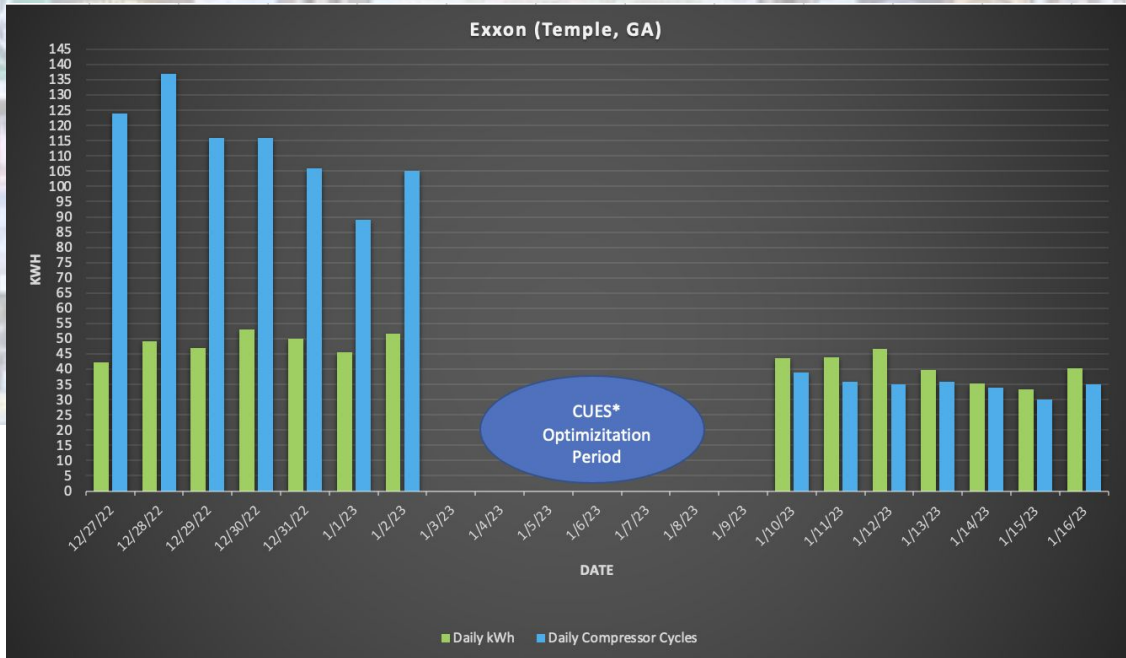


16% Energy Reduction

74% Increase – Compressor #1 Life

43% Increase – Compressor #2 Life

74% Increase – Compressor #3 Life



### Final savings amount

Predicted Lifetime Value: **\$29,602**



### 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 74% increased lifespan on a brand new unit would represent a lifespan increase of **7.4 years** and a savings of **\$6,660 each**.



### Project

Initial data monitoring period WITHOUT CUES\* yielded that the compressors used 339 kWh of energy and cycled 793 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 compressors used 283.01 kWh of energy and cycled 245 times. This demonstrated a compressors cycle reduction of **74% / 43% / 74%** and an energy reduction of **16%**.

\*CUES - Chilled Unit Energy Saver

