

# SOUTHWEST TEXAS JUNIOR COLLEGE – YEAR 1 SAVINGS REPORT

## 1.0 EXECUTIVE SUMMARY

Schneider Electric is excited to present the Year 1 savings totals achieved for the Southwest Texas Junior College performance contracting project. The analysis and evaluation of project performance has been completed and the results of the savings calculations show that Southwest Texas Junior College has earned **\$144,098** in energy cost savings for Year 1. These savings totals surpass the \$114,566 Year 1 guarantee mark and they help to communicate the great impact delivered by the project.

The college's energy savings achieved for Year 1 stem from several different sources as depicted in the pie chart below. One component of the annual savings total is derived from the lighting fixture retrofits that were completed at the Uvalde, Crystal City, Eagle Pass, and Del Rio campuses. The reduction in lighting load produced by the change has led to \$74,357 in energy cost savings.

Another contributor to the overall annual savings total is drawn from the Option A Power Factor Correction savings measured at the Uvalde campus main electric meter.

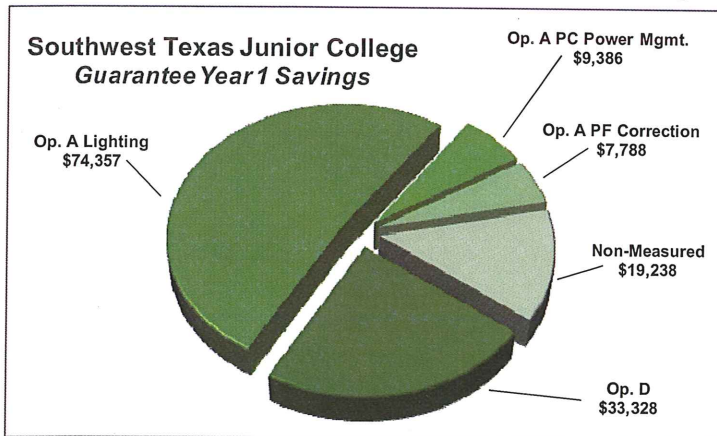
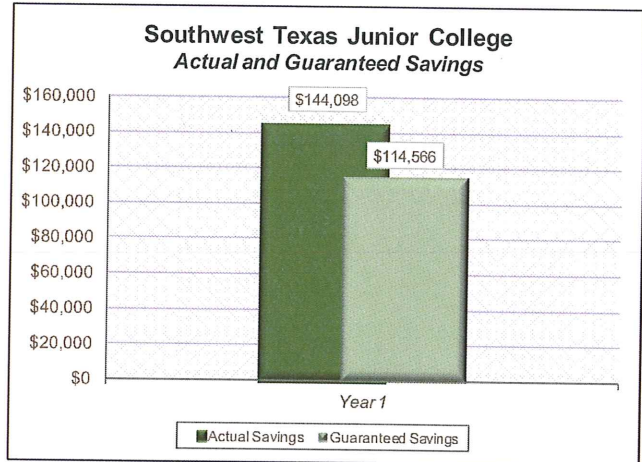
Improved monthly power factor readings made possible by the installation of a capacitor bank on site have generated \$7,788 in Year 1 energy cost savings.

The third component of the project savings total was delivered through the installation of PC Power Management software on site. Improved control over the energy use of the college's PCs and monitors has helped to provide \$9,386 in annual energy cost savings.

Building on each of the elements listed above, the last major component of the overall annual energy cost savings was established as a result of the building automation system work and mechanical improvements completed at multiple campuses.

The resulting savings were measured using an Option D approach with the help of detailed building modeling tools. Final calculations for this component of the project have yielded a total of \$33,328 in energy cost savings through Guarantee Year 1.

Finally, there is also a non-measured block of \$19,238 in savings to account for the improvements made at some of the smaller sites included in the project.



Each of the ECMs mentioned above was chosen with a goal of assembling and delivering a package of solutions that both addresses the college's specific needs and also enables the greatest reduction in energy use. We believe the results of that effort and investment are on display at Southwest Texas Junior College and are also evident through the energy cost savings totals presented in this overview.

More details surrounding the savings achieved through the project will be provided in the sections of the savings report that follow. Congratulations on the great savings and project success!