

ENERGY PERFORMANCE CONTRACT CASE STUDY

Santa Fe Community College Microgrid 2025



AT A GLANCE

Energy Conservation Measures

- Campus wide-distribute energy system designed to integrate renewable energy, energy store, and backup generation.
- 1.5 MW Solar Photovoltaic (PV) Array
- 1 MW battery storage system
- 1 MW natural gas generator
- Includes an educational microgrid (nanogrid)
- Curriculum and training programs in grid modernization, distributed energy systems, and microgrid control

Project Stats

- Annual Savings: \$320,000
- Cost: \$5.3 Million
- Total Savings: \$6.5 Million



PROJECT OVERVIEW

This microgrid is one the first in New Mexico and is an excellent example for future islanding projects. This project has inspired other facilities to take advantage of microgrid technology and implement it. Specifically, the New Mexico Emergency Operations Center has been targeted for a microgrid upgrade from the governor and is approaching construction. A core goal of this project is student education and workforce development.