



FORT NOVOSEL

DALE COUNTY, AL



SAFETY RECORD

ZERO Recordable Events



PROJECT SIZE

1.7M sq. ft.

\$15.5M



PROJECT SCHEDULE

??



CONTRACT METHOD

UESC



SAVINGS INFORMATION

Annual energy and operational savings over \$1.5M



Located in service territory of Alabama Power (A Southern Company), Fort Novosel*, Alabama is the home of Army aviation. As a large U.S. Army aviation center of excellence, the base supports initial and advanced helicopter training across five airfields. Fort Novosel was seeking to meet new federal energy mandates, and the base was especially interested in developing a chiller plant loop ECM due to significant maintenance efficiencies and the potential energy savings. Fort Novosel required that the UESC program have the best economic payback energy conservation measures (ECMs) that would fit within the Army's ten-year simple payback UESC term limit. ESG was selected by Alabama Power to be their ESCO partner and to develop certain projects in their service territory under its GSA Area-wide Agreement UESC contracting authority.

SOLUTION

- Lighting upgrades in 20 buildings
- Fuel conversion to include natural gas line extensions to 3 air fields and mechanical conversions
- 9-building control upgrades
- HVAC upgrades, including 14 cooling units of 60 tons and under
- Retro-commissioning (Rx) in 29 buildings
- New central chill plant (with high-efficiency TurboCore chillers) and chiller loop
- Whole building retrofit
- Heat recovery chillers
- Chiller replacement
- Solar water heating and LED lights for training pool
- Bullet Split 2
- Bullet Split 2

RESULTS

From their partnership with ESG, Fort Novosel has put themselves in line with federal energy mandates and will save over 1.5M plus in energy and operational savings each year.

*Fort Novosel was previously named Fort Rucker