



LANGLEY AIR FORCE BASE

HAMPTON, VA



SAFETY RECORD

ZERO Recordable Events



PROJECT SIZE

159 buildings/ 4,392,444 sq. ft.

\$16.1 million



PROJECT SCHEDULE

11/30/20-12/30/22



CONTRACT METHOD

ESPC



SAVINGS INFORMATION

\$900,710 savings annually

55,822 MMBtu savings annually



A CenterPoint Energy Company

Langley Air Force Base (AFB) was seeking to enhance their energy assurance in order to align themselves with their mission and make progress towards meeting Air Force and Federal mandates. Langley AFB and Defense Logistics Agency (DLA) Energy competitively selected ESG to implement ECMs that would reduce Langley AFB's base-load energy consumption, and costs.

SOLUTION

ESG implemented the following solutions to help Langley AFB achieve their energy assurance goals:

- Lighting Upgrades
 - Replaced existing interior and exterior lighting with light emitting diode (LED) technology
 - Upgraded existing lighting controls to maximize efficiency
- Building Envelope Improvements
 - Resealed buildings to limit infiltration of outside air and ex-filtration of conditioned air
 - Installed window films to reduce radiant heat infiltration in 116 buildings

RESULTS

Through the above solutions ESG was able to increase energy and operational efficiencies, enhance energy surety, modernize buildings, standardize lighting, upgrade buildings holistically, reduce maintenance, replace aging equipment, improve comfort, and reduce greenhouse gas emissions. By partnering with ESG, Langley AFB is now more aligned with Air Force and Federal mandates and has enhanced their energy assurance.