



Large-Scale Weatherization Project



Case Study: Aberdeen Proving Grounds

BES partnered with our ESCO client to audit most buildings at the Aberdeen Proving Grounds, then contracted to implement selected building envelope measures.

Scope of Project and Product Application

BES was tasked with identifying all the air gaps in roofs, doors, windows, and walls for barracks, offices, hangars, warehouses, and garages throughout the base.

The installation consisted of weather stripping, door sweeps, air sealing, caulking, and applying one-part or two-part spray foam dependings on the type of joint.

The highest quality materials were used and the project was warrantied. The entire project was completed in eight weeks, including all mobilization, installation, and clean up.

Note: No photos were taken at the Aberdeen Proving Grounds

Annual Savings \$265,524

Final M&V Savings Calculation*

Project Cost	\$1,157,475
Annual Energy Savings	\$265,524
Payback Period	4.36 Years

Due to the discrete operations of this military facility, various details are withheld from this case study at the request of the base & client



M&V

Measurements & Verification (M&V) tests were conducted before and after the project. BES Energy Auditors and Engineers performed a detailed investigation prior to the project implementation to estimate energy savings, total installed cost, and return on investment.

BES Engineers performed post-installation M&V on-site adhering to the International Performance Measurement & Verification Protocol. A performance guarantee was provided for the energy conservation measures, as well as an installation warranty.

Summary

INDUSTRY



Military & Federal

LOCATION



Aberdeen, MD

PROJECT



Building Weatherization

Building Envelope Solutions (BES) is the market leader in building envelope related energy efficiency upgrades. Through its turnkey deliverable, BES partners with Energy Services Companies (ESCO's) to assist them in saving energy for their customers.



ECM HOLDING GROUP, LLC.

For more information, please visit www.energy-bes.com, or call 920.267.6110