

Reduced Air Leakage Improved Comfort and Saved Energy

Situation

The facility expanded significantly the past 50 years. The building developed a number of air leaks between connected structures.

The exterior entry and overhead doors were also allowing too much air leakage, increasing costs and reducing comfort for the employees.

Cost	kWh Savings	Therm Savings	Simple Payback
\$42,975	27,252	22,895	2.9 years

Industry: Bio-Tech / Life Sciences
Location: Milwaukee, WI
Facility Type: Commercial / Manufacturing
Project Type: Building Insulation & Door Sweeps

Project Scope

BES weather-stripped leaky exterior doors (walkway and overhead doors) and sealed roof-wall connections to tighten buildings.

Air leakage control focused on closing gaps, cracks, and holes. We select material based on leak location and type of opening.

Sealants included:

- Fire Retardants
- 1- and 2-Part Polyurethane Foams
- Caulks
- Weather Stripping

These efforts enveloped the building in a continuous plane of ‘air-tightness.’

2-Part Foam Insulation



Door Seal Kit Detail



“The entire process was very organized. They provided outstanding documentation and did a great job overall: the best I’ve seen so far from any contractor!”
 Facilities Engineer

BES is a leading national contractor serving North America's leading ESCOs and corporate clients. A single source partner for insulation and weatherization services, BES drives down energy consumption by sealing air infiltration gaps typically achieving annual savings of 10-15%. There are a number of qualities that set BES apart: quality of installation, professional project management, pre and post installation documentation, flexible project scheduling, project warranties, M&V, and extensive experience with performance contracting.

BES is part of ECM Holding Group, a collection of conservation technology firms serving North America's leading ESCOs and corporate clients. For more information, please visit www.energy-bes.com, or call 920.267.6111.