



# Building Performance Equipment, Inc.™

Scientists and Engineers



## LOCATION

International Manufacturer  
of Fine Perfumes  
Piscataway, NJ  
USA

## CHALLENGE

This large international perfume manufacturer had issues with indoor air quality, expensive energy bills with double digit rate increases, and temperature control in the building.

## SOLUTION

Four (4) BPE-MIR-XE-2000 cfm high efficiency air to air direct counter flow heat exchangers were installed. Employees immediately noticed that there was a dramatic improvement in the comfort level in that part of the building.

Total Savings shown in the chart below resulted in \$31, 838.43 for electricity and \$32,621.51 for gas, for an overall savings of \$64,459.94 per year.

Cost Reductions and Reductions in Emissions in Pounds or Number of Cars as Noted							
Energy Savings	Saving	Units	Cost in \$	CO <sub>2</sub>	SO <sub>2</sub>	NOx	Cars *
Electric Savings ( in kwh)	188,853.00	kwh	\$31,838.43	104,435.71	213.67	258.39	9.12
Gas Savings (in Therms)	23,135.82	therms	\$32,621.51	1,108,899.85	2,268.71	2,743.56	96.85

\* Equivalent number of passenger cars taken off the road in 1 year, based on estimated average 12,500 miles traveled per year, releasing an estimated 11,450 pounds of CO<sub>2</sub> per year.

Referencing EPA Office for Transportation and Air Quality at [www.epa.gov/otaq/consumer/f00013.htm](http://www.epa.gov/otaq/consumer/f00013.htm)



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