



## Now arriving at Gate C: Modern performance and energy savings



Contractor



Operator



Local Utility



Energy Rebate Liaison

The Newark Liberty Airport Garage Terminal C Parking Garage, completed in the mid 1980s, was being lit with inefficient 6' fluorescent fixtures using outdated technology.

In, mid 2012, on behalf of Simkar, Facility Solutions Group began the process and discussed lighting options with Honeywell, the manager/operator of the garage.

Various lighting types and configurations were tested. Based on Honeywell's desire to maintain the look and feel of the current lighting while improving overall performance and reliability, Simkar's engineering team designed a

customized solution, replacing inefficient 6' T12 strip lights with 8' (tandem 4') T5 lights in a modified 2-pendant fixture.

With FSG acting as contractor, the installation process began in June 2013 and ended in September 2013.

For this project, further financial benefits were realized through a utility rebate program amounting to \$58,767. The facility will save a total of \$47,680 annually.

REMOVED	INSTALLED
7,000 6' T12 strips	6412 4' tandem CH SBH strips

ITEM	COST
Equipment	\$113,807
Sales Tax 8.25%	\$9389
Installation, Labor, Tax & Disposal	\$38,917
<b>Subtotal</b>	<b>\$162,113</b>
Utility Rebate <small>Based on \$.12 per kWh*</small>	\$58,767
Cost after rebate	\$103,346
Savings per year	\$47,680
Estimated payback	2.1 Years

\*50.40 kW @ 397,330 kWh

# Liberty Airport Garage C | Newark, NJ

Before



After



Before



After



Before



After

