



CASE STUDY

FOX CHASE CANCER CENTER

Philadelphia, Pennsylvania

Fox Chase Cancer Center is the Philadelphia region's only hospital devoted entirely to cancer treatment, research and prevention. The 100-bed hospital is an independent, nonprofit institution formed in 1974. In 2010, the hospital hired GreenTech Energy Services to do a lighting efficiency project in its parking garage. T12 fluorescent fixtures, as well as exit signs lit with incandescent bulbs, were replaced by induction lights, T8 fixtures and new 2-watt LED exit signs. Lighting control panels were installed to turn off lights when the parking garage is closed.



Photocells were also installed to turn the lights off when there was enough available daylight. The project improved the safety and security of the garage, decreased energy consumption and utility bills, and greatly enhanced the aesthetics of the building, making it a more comfortable, welcoming environment for both hospital personnel and visitors.

SAVINGS

Program Cost.....	\$459,540
Payback Period.....	3.6
KW Usage.....	134
KWH Usage.....	1,169,618
KW Saved.....	56
KWH Saved.....	818,197
KWH Savings.....	\$114,548
Energy Savings.....	\$114,548



Operation Savings.....	\$13,786
Total Savings.....	\$128,334

ENVIRONMENTAL IMPACT

Reduction in Carbon Dioxide (pounds).....	1,227,296
Reduction in Sulfur Dioxide (grams).....	4,581,904
Reduction in Nitrogen Oxide (grams).....	2,045,493

GreenTech Energy Services
122 East Kings Hwy, Ste 503
Maple Shade, NJ 08052
Ph: 800-690-0420 Fax: 856-778-1668
www.greentechenergy.com
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