



## CASE STUDY

### Deborah Hospital Browns Mills, New Jersey

Deborah Heart and Lung Center offers the latest surgical techniques and non-surgical alternatives for diagnosing and treating all forms of cardiac, vascular and pulmonary diseases in adults, and congenital and acquired heart defects in neonates and children. The Deborah campus consists of Deborah Heart and Lung Center, a 161-bed hospital with a full-service ambulatory care center and Deborah Hospital Foundation, the fundraising arm for the Center. In 2005, GreenTech Energy Services was hired to install a lighting retrofit of the hospital, replacing outdated fixtures with state-of-the-art T8 fluorescent lights. The project resulted in significantly lower energy usage and costs. The brighter, more evenly lit environment has enhanced both employee and patient safety and comfort.



#### PROJECTED SAVINGS

- Program Cost - \$275,672
- Utility Rebate - \$100,000
- Payback Period - 2.4 years
- KW Saved - 167
- KWH Saved – 799,779
- Energy Savings - \$63,982
- Operational Savings - \$8,270
- Total Savings - \$72,253



#### ENVIRONMENTAL IMPACT

- Reduction in Carbon Dioxide (pounds) – 1,199,669
- Reduction in Sulfur Dioxide (grams) – 4,478,765
- Reduction in Nitrogen Oxide (grams) – 1,999,448