



## CASE STUDY

### Pine Ice Arena

The Pines Ice Arena in Pembroke, Florida, founded in 1996, is an indoor rink open year round. The arena offers a wide array of services, including public skating, figure and ice skating lessons, adult and youth hockey programs, and birthday parties. To accommodate all these activities, the rink is open from early morning until night, which was driving up the facility's energy consumption and utility costs. In an effort to control these costs, Pine Ice hired GreenTech Energy Services to do a lighting retrofit.

### SAVINGS

Program Cost.....	\$38,998
Payback Period.....	2.1
Utility Rebate.....	\$600
EPACT Tax Savings.....	\$11,699
KW Usage.....	48
KWH Usage.....	233,898
KW Saved.....	25
KWH Saved.....	121,737
Energy Cost Savings....	\$11,492
Operation Savings.....	\$1,170
Total Savings.....	\$12,662



### ENVIRONMENTAL IMPACT

Reduction in Carbon Dioxide (pounds).....	182,602
Reduction in Sulfur Dioxide (grams).....	681,727
Reduction in Nitrogen Oxide (grams).....	304,342

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