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CASE STUDY

Tipico Cheese, Lakewood, NJ

Tipico Cheese Products offers retail, foodservice and industrial customers an array of imported and domestic cheeses under branded and private labels. Tipico, a leader in imported, cut-and-wrap, specialty cheeses from around the world, hired GreenTech Energy Services to upgrade the lighting in its plant in Lakewood, NJ.

In administrative areas, obsolete T12 fluorescent lights were retrofitted with energy efficient T8's, and 60-watt incandescent lights were retrofitted with 15-watt compact fluorescent bulbs. In production areas, 400-watt metal halide high bays were replaced with new T8's, sealed and gasketed. Outdoors, 300-watt high pressure sodium wallpacks were retrofit with 150-watt metal halide pulse-start lights. Sensors were installed throughout to assure that lights are shut off in unoccupied areas.

The result was much brighter lighting with better color rendering, which has improved quality control and safety, and enhanced the aesthetics of the building. The project also resulted in significant energy savings as well as a reduction in pollutants.



SAVINGS

Lighting Program Costs.....	\$73,287
Utility Rebate.....	\$12,180
EPACT Tax Savings.....	\$10,500
Payback.....	1.8
KW Saved.....	37
KWH Saved.....	179,710
Energy Savings.....	\$25,815
Operation Savings.....	\$2,199
Total Savings.....	\$28,014

ENVIRONMENTAL IMPACT

Reduction in Carbon Dioxide (pounds)...	269,565
Reduction in Sulfur Dioxide (grams).....	1,006,375
Reduction in Nitrogen Oxide (grams).....	449,275

"We were looking at a lot of lighting companies but we went with GreenTech because they not only came back with a good price but had experience working with food plants – for us, that was more important than the price. And it turned out to be a good choice. They understood our needs, worked well around our schedules, and met out goals, with a projected savings of 49% and light increase of 40%. In certain rooms, the difference is dramatic, particularly on the loading docks, where the old high bays had yellowed out, and in the production rooms that have white walls – you almost need sunglasses now when you walk in there."

Todd Bunn, Maintenance Manager