

Example of Success

One Midwestern high school embarked on the targeted audit process and uncovered potential savings totaling between \$25,000 and \$29,000. This building was built in 1955 and measured 293,556 square feet. Prior to the audit, lighting had been upgraded in some areas.

After a review of the school's utility billing history and a comprehensive audit of the facility, several recommendations were provided. Each recommendation would achieve a payback in five years or less and included:

- Retrofitting fixtures to T8 lamps with electronic ballasts
- Replacing HID fixtures with fluorescent fixtures
- Installing occupancy sensors
- Retrofitting exit lighting with LED units
- Reducing unnecessary gym ventilation
- Installing hot water reset controls on the boiler system
- Resetting schedule to operate in occupied mode only when needed

The school's business manager was pleased with the process and said, "The audit uncovered hidden cost savings, and packaged results with financial incentives on one report. That helped us to approve capital improvement expenses quickly."



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Targeted Energy Audit Program

Take the first step to
**improving
energy use**
in your schools.



This Bright Energy SolutionsSM program is targeting schools to help them take the first step in energy improvement. The cost-shared energy audit will identify energy-saving opportunities for the facilities, prioritize projects to maximize return on investment, and provide incentives to help cover 50 percent of the audit fee.

Eligibility

Schools will be the focus of the targeted audits initially. Beginning in 2010, other commercial facilities may be included. Elementary, secondary, high schools, private schools, universities, and technical schools who receive electric service from a participating Missouri River Energy Services member utility are eligible to participate in the program.

Initial Qualifier

Interested customers will be asked to complete a brief application and provide information about the building(s). An energy engineer will use the information to determine an ENERGY STAR[®] Benchmark Score. This score determines the relative efficiency of the school's current facility and operation. To qualify for the audit, the school must achieve a score lower than 75, which means there is room for improvement.



If the application is approved, a team of energy engineers will work with school district staff to conduct a Targeted Audit of the customer's building(s). Then, the school will receive a report with details of the energy-saving opportunities that were identified during the audit.

Cost-Sharing Opportunities

Qualifying schools will receive 50 percent off the cost of the energy audit, up to \$5,000 per school building, for facilities that qualify. Payment of the audit fee will be required upon completion of the audit.

If the school completes all recommended measures that have a simple payback of two years or less within 24 months of the completed audit, it will be reimbursed for its portion of the audit fee!

What is ENERGY STAR Benchmarking?

The national energy performance rating, or ENERGY STAR Benchmark Score, developed by the Environmental Protection Agency (EPA), measures how efficiently a building uses energy relative to similar buildings nationwide. Statistically representative models are used to compare a building's energy performance against similar buildings based on CBECs (Commercial Building Energy Consumption Survey) data. The ENERGY STAR score is a rating system using a scale of 1 to 100. A score of 50 implies average energy performance, while a rating of 75 or better implies top performance.



Based on the EPA's ENERGY STAR qualifications, it is recommended that all buildings with a score of less than 75 are considered as candidates for energy audits. Buildings that earn a rating of 75 or more may qualify for the ENERGY STAR label. Only K-12 schools are eligible to receive an ENERGY STAR rating.

How to Participate

Visit www.brightenergysolutions.com and download your utility's Targeted Audit Incentive Application. As described in this application, the information you supply will allow Targeted Audit program staff to "benchmark" your facilities' energy use and determine, at a high level, how much potential exists to improve efficiency, and capture cost savings. A program staff member will follow up with you to discuss the benchmark results, and to schedule an on-site Targeted Audit based on the benchmarking results.