



Service & Product Provider Partner

Siemens Building Technologies

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Customer

Thompson School District

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Thompson School District, in partnership with Siemens Building Technologies, reduces operating costs by \$1,061,000 over 3 years.

Project Scope

Through a performance-based arrangement, Siemens Building Technologies, Inc. offered a plan to save energy and money and also to complete maintenance improvements for the Thompson School District without requiring any additional capital investments. Thompson School District entered into an initial 3-year Energy Management Program with Siemens Building Technologies, which included a Resource Conservation Manager (RCM) and numerous facility improvement measures. Siemens Building Technologies also benchmarked all of the district's 35 buildings using EPA's Energy Performance Rating System accessed through Portfolio Manager.

Project Summary

The Thompson School District receives energy tracking and benchmarking information through Portfolio Manager, which heightens the staff's energy awareness and helps them improve operational strategies.

- **Energy Savings**

The initial 3-year term of the Energy Management Program saved Thompson School District 7,724,630 kwh of electricity, 334,032 ccf of natural gas, and 79,966 kgal of treated water.

- **Investment**

Annual investment of approximately \$83,000, with a full performance guarantee.

- **Financial Return**

The initial 3-year term of the Energy Management Program saved Thompson School District \$557,000 in electric costs, \$267,117 in natural gas costs, and \$200,746 in treated water costs. Total savings in the initial 3-year term exceeded \$1,311,000.

- **Other Benefits**

The Energy Management Program funds the Resource Conservation Manager (RCM). The RCM seeks continual improvements at the facilities to maintain and enhance operational effectiveness.

Monitoring & Verifying Energy Savings

Initial savings from the performance contract were verified using the International Performance Measurement & Verification Protocol (IPMVP), and the additional operation savings are monitored and verified using EPA's Energy Performance Rating System.

Distinguishing Value

In addition to the energy savings, recognition from ENERGY STAR helped demonstrate the effort put forth and results achieved by the Thompson School District to both staff and the community. Two schools in the district have earned the ENERGY STAR label and two others received letters of recognition for excellent improvement in energy efficiency. Also, the added comfort from having a third party, especially the Environmental Protection Agency, verifying performance provides great value and gives an end user comfort in the analysis.

