

# Ann Arbor Schools



The mission of the Ann Arbor Public Schools is to ensure each student realizes his or her aspirations while advancing the common good, by creating a world-class system of innovative teaching and learning.

**“The Ann Arbor community recognizes that we all have a role to play in reducing energy waste and minimizing harmful emissions, so it only made sense that the children in this community learn the value of energy efficiency at a young age.”**

**- Emile Lauzzana, Executive Director of Physical Properties**

## Case study

Ann Arbor Public Schools (AAPS) serves the city of Ann Arbor and parts of eight surrounding townships covering 125 square miles (320 km<sup>2</sup>).

The district operates 19 elementary schools, 2 K-8 schools, 5 middle schools, 5 high schools, and a preschool. With over 640 acres (2.6 km<sup>2</sup>) of real estate and 3,500,000 square feet (310,000 m<sup>2</sup>) of building space, Ann Arbor Public Schools is the 4th largest school district in Michigan.

AAPS has been an active participant in DTE’s Energy Efficiency Program for Business. They have taken an active role in reducing energy waste by making improvements at many facilities over the last several years.

Their largest improvements include installing and upgrading the district’s Building Management Systems (BMS) at 27 locations, saving 2,741,742 KWH annually and receiving over \$92,000 in incentives from DTE Energy in 2019. In addition to installing BMS, AAPS has also recently updated their lighting and tuned up their chillers.

Other energy improvements at AAPS include LED streetlight upgrades, replacement of old chillers, and solar installations at a number of their locations.

# DTE

Energy Efficiency Program for Business

# Project summary

Projects included district-wide installation of upgraded Building Management System, tune up of chillers, and LED lighting upgrades. These projects had a focused approach of saving energy and public resources while improving the environmental impact of Ann Arbor Public Schools.

**DTE**

## Energy savings summary

The energy savings results of these measures are summarized as follows:

Quantity	Measure description	Annual energy savings	Unit	Total incentive
3	Chiller tune-up	69,097	kWh	\$10,357
2	Lighting	8,873	kWh	\$582
27	Building Management System	2,741,742	kWh	\$92,686

## About our program

The DTE Energy Efficiency Program for Business offers a comprehensive set of incentives for both electric and natural gas users designed to help you invest in energy efficient technologies. Here are three ways to save:

### Prescriptive

Prescriptive incentives are available for many common energy efficiency measures and typically average 20% to 50% of the incremental cost of the equipment or services provided. Incentives are based on predetermined energy savings.

### Custom

Custom incentives are offered for capital investment projects that are not eligible for a prescriptive incentive. Incentives are determined on a case-by-case basis and are paid per unit energy saved. Custom incentives are capped at 50% of project costs.

### New construction

New construction/major renovation incentives are available for new facilities, the renovation of existing facilities or a change of use project, such as converting a warehouse into an office complex. Incentives also are available for adding load.

\*Funds will be awarded on a first-come, first-served basis; program based on availability of funding and may end at any time; certain other conditions apply

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