

# Broome-Tioga BOCES

## Leslie F. Distin Education Center



Broome-Tioga BOCES

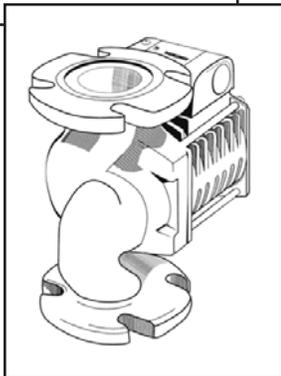
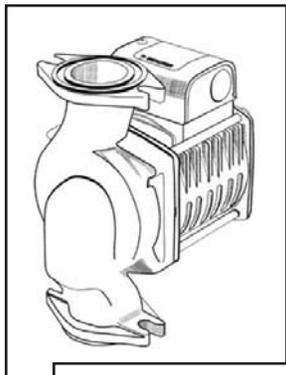
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### Broome-Tioga BOCES – Leslie F. Distin Education Center Binghamton, New York Broome and Tioga Counties

#### Background

The Broome-Tioga BOCES encompasses 15 school districts in Broome and Tioga Counties serving nearly 38,000 students. The construction project will add 48,000 sq. ft. to the Broome-Tioga BOCES Leslie F. Distin Education Center. The additional space will contain 25 classrooms and computer labs in a two story wing as well as an 8,250 sq. ft. gymnasium/multi-purpose room.

#### Recommendations

Science Applications International Corporation (SAIC) completed an evaluation of potential energy efficiency opportunities at Broome-Tioga BOCES through NYSERDA’s New Construction Program. Some of the opportunities included installing a geothermal heat pump system, a ventilation heat recovery system, and high-performance glazing.

SAIC created a preliminary design for implementing these energy efficiency measures. One of the recommended measures was to install Armstrong pumps, manufactured in North Tonawanda, New York, for the geothermal system.

#### Incentives and Savings

The total project cost, to implement all the recommended measures, will be **\$26,920**. The estimated annual cost savings will be \$3,610, which would result in a simple payback of 7.5 years. Broome-Tioga BOCES has the potential to save 33,427 kWh annually.

Through the New Construction program, Broome-Tioga BOCES will receive the following incentives:

Measure Category	Incentive
Estimated Geothermal Incentive	\$104,000
Total Custom Measure Incentive	\$18,844
<b>Total Recommended Incentive</b>	<b>\$122,844</b>

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