

# YMCA of Greater Buffalo

## Southtown YMCA Building



### YMCA of Greater Buffalo – Southtown YMCA Building

West Seneca, Erie County

#### Background

The YMCA of Greater Buffalo has served the area since 1852. Today, the YMCA of Greater Buffalo has seven branches, a resident camp, and serves more than 100,000 families and individuals. The organization has evolved from a “Young Men’s Christian Association” to a family focused health and human services organization.

The newest YMCA of Greater Buffalo, the Southtowns Family branch, is located in West Seneca and is a \$7.2 million state-of-the-art facility. The 70,000 square feet, two story brick veneer building contains a full and auxiliary gymnasium, a natatorium, an indoor running track, and a children’s day watch and adventure area.



In order to make this new structure as energy-efficient as possible, officials from the YMCA of Greater Buffalo contacted the New York State Energy Research and Development Authority (NYSERDA) to take part in the **New York Energy Smart<sup>SM</sup>** New Construction Program. Working with the architect/engineering firms of Fontanese, Folts, Aubrecht Architects of East Aurora and M/E Engineering, P.C. of Buffalo, the project was evaluated by Wendel Duchscherer, NYSERDA’s technical assistance contractor, in order to identify the energy efficiency measures.

#### Recommendations

Recommended measures from the evaluation included:

- Twelve Heating, Ventilation, Air Conditioning (HVAC) roof top units with full enthalpy control
- Carbon dioxide ventilation control for the HVAC units
- Direct Digital Control (DDC) lighting circuits

#### Incentives and Results

NYSERDA offered an incentive of **\$41,000** for installation of the above measures. As a result, 126,729 kWh/year reduction in energy consumption and a savings of \$14,000 per year in energy costs are anticipated. The estimated payback with the NYSERDA incentive is 1.27 years.

#### New York Energy Smart<sup>SM</sup>

All **New York Energy Smart<sup>SM</sup>** programs are funded by a System Benefits Charge (SBC) paid by electric distribution customers of Central Hudson, Con Edison, NYSEG, Niagara Mohawk, Orange and Rockland, and Rochester Gas and Electric. NYSERDA, a public benefit corporation established by law in 1975, administers SBC funds and programs under an agreement with the Public Service Commission.

**New York Energy Smart<sup>SM</sup>** programs are designed to lower electricity costs by encouraging energy efficiency as the State’s electric utilities move to competition. The programs are available to electric distribution customers (residential, commercial, institutional, and industrial) who pay into the SBC.



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