

Foothills Performing Arts Theater

Oneonta, New York



Novus Engineering, P.C. completed whole building energy modeling for the construction of the new 25,000 square foot addition to the existing Foothills Performing Arts Theater in Oneonta, NY. Technical analysis of the energy efficient design was completed as part of the New York State Energy and Research Development Authority (NYSERDA)



New Construction Program (NCP). As a part of the program, NYSERDA offered up-front cost sharing assistance to cover the cost of analysis, as well as incentives to help offset the incremental costs of energy efficient equipment.

The energy efficient building design included high efficiency lighting and controls, demand controlled ventilation, heat recovery ventilation, enhanced insulation, a high efficiency chiller, variable speed drives, and an energy management system. Novus' analysis estimated that the proposed design was 52% better than the baseline condition based on ASHRAE Standard 90.1-2004, qualifying the project for a

Work Completed: 2007-2009

NCP Incentive Received:
\$140,183

total incentive of over \$140,000.

In addition to providing modeling and technical assistance, Novus provided commissioning services for the project to verify the proper functioning of the energy efficient equipment. As a part of this process, Novus made a series of field visits to the site and provided considerable feedback on the process of setting up the building management controls (DDC system).

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