

# Warren County Human Services Building

## Lake George, New York



**Services Provided:** 2009 – 2010

**NCP Incentive:** \$137,517



### **Novus Engineering, P.C.**

completed whole building energy modeling and acted as the commissioning authority for the new office building in Lake George for Warren County Human Services. The three-story, 72,000 square foot building was constructed within the existing Warren County office complex and consists of offices, meeting rooms, interview spaces, and two auditoriums. The building is conditioned with multiple water source heat pumps supplied by a high efficiency boiler and evaporative cooling tower. Ventilation is provided by a central fresh air system utilizing heat recovery. All HVAC equipment is controlled with a Siemens energy management system.

The following energy conservation measures were evaluated for the whole building model as a part of

the New Construction Program:

- Enhanced wall and roof insulation
- Enhanced glazing
- High efficiency lighting design and controls
- High efficiency HVAC equipment and controls
- Heat recovery ventilation
- Variable frequency drives on pumps

The building is expected to perform 37% better than the baseline condition and will provide an annual savings of approximately 250,000 kWh.

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