New Construction Program

Orange County Choppers, World Headquarters

Orange County Choppers, World Headquarters

Montgomery, NY

Background

The Teutul Family of Orange County, New York has taken its custom motorcycle business and created a world famous bike shop, Orange County Choppers (OCC). The bikes created at the business are showcased on the Discovery Channel series, American Chopper. This fast-growing business has become so popular the original bike shop no longer fits the family's needs, so a new 92,000 sq. ft. building is being constructed. The new facility will include a production area as well as offices, showrooms, a workshop, and space for machinery. It is being designed to be eco-friendly, which in turn will contribute to the reduction of greenhouse gas emissions.

Recommendations

OCC is working with New York State Energy Research and Development Authority (NYSERDA) and SAIC, Inc., to incorporate energy-efficiency improvements that will reduce the building's annual energy use. Several energy saving technologies are recommended and, if implemented, the building could save as much as 50 percent from current building code requirements. These measures include:

- Efficient Rooftop HVAC equipment
- Energy-Efficient Lighting
- Exterior Glazing Upgrades
- Daylight Harvesting
- Variable Air Volume System
- Demand Based Garage Exhaust

Energy Savings

Through participation in the **New York Energy $mart**℠ New Construction Program, these energy-efficiency improvements were identified through a Whole Building Analysis. This approach looks at how the building systems and other improvements will work together to optimize the efficiency of the entire facility.

OCC will also use the **New York Energy $mart**℠ Loan Fund Program to receive a 4% interest rate reduction on the financing of $1.5 million of the recommended energy efficient measures.

When implemented, the Orange County Choppers will annually save an estimated:

- 652,630 kWh
- 7200 Therms
- more than 350 kW
- reduce Carbon Dioxide (CO_2) by 662,387 lbs.

NYSERDA
New York State Energy Research and Development Authority

For more information about these services, contact NYSERDA toll free 1-866-NYSERDA, locally (518) 862-1090, or e-mail: **info@nyserda.org**

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