

Lime Hollow Community Education Center

Cortland, New York



Lime Hollow Nature Center boasts **30,000 visitors a year**, and more than 430 acres of protected open space. The center offers over 12 miles of trails, public nature programs, and adventure day camps for youth.

The 5,000 SF net zero education center was **designed to maximize human interaction with nature** with a minimal impact on Lime Hollow's unique ecosystems. It includes outdoor/indoor classrooms, with gardening space to cultivate and study native plant species; a broad range of sustainable technologies that serve as educational tools, including **a 19kW solar array, passive air-conditioning and rainwater catchment**; an adaptable modular construction to meet the needs of individual programs and seasonal environment variations.

building size 5,000 SF

services provided design documents for mechanical, electrical, plumbing, and solar photovoltaic design; energy analysis and HVAC selection study; guided the decision making process to achieve net zero

completion 2015

contact Brian Buttner, Architect, Applied Design Research Associates, 607.844.4601

“Full solar, very small footprint, tight thermal envelope, being built by high school students for high school students. I don't know if there's another net-zero energy commercial building in Cortland county. That's a pretty high standard.”

—Glenn Reisweber, Executive Director, Lime Hollow

