



© Roy Gumpel Photography

Hillside

Two story contemporary net zero home in the hills of upstate New York.



Builder-Owner: Steve Bluestone
passivedwellings.com
Architect: Bruce Coldham, FAIA
candharchitects.com
Passive House Consultant: Jordan Dentz
LevyPartnership.com
Certification: PHIUS #1358

Walls: AAC Block + 3" Polyiso
Windows: Zola Triples, Casement and Fixed
Ceiling: 12" SIP with 9" FG Batts
Basement Floor: 3" of EPS below a 5" Slab
Heating/Cooling: 5-ton Mitsubishi ASHP
Domestic Hot Water: Stiebel Eltron Accelera
Ventilation: Zehnder ComfoAir350

Photovoltaics: 9.6kW Pole Mounted
Battery Backup: 8kW Sonnen
Cooktop: Thermador Induction
Dryer: Whirlpool Unvented Heat Pump Dryer
Drainwater Heat Recovery: PowerPipe

Source energy: 5,957kWh/Person-yr
Heating Demand: 7.16kBtu/ft²/yr*
Cooling Demand: 0.11kBtu/ft²/yr
Infiltration: 0.05 cfm/ft²
*PHIUS certified under previous standard

First Passive Building to employ AAC block as primary structure in the Americas. Fire-proof, pest-proof, air-tight, and rot-resistant. Passive Dwellings built to last.

