

LEED for Homes Source Energy Budget



Property

15 Longfellow Ave
 Mayville, NY 14757
 Model: Watters Residence

15 Longfellow Ave - 7-7-21 [JP]
 (2626)

Organization

Green Building Consulting
 Jason Puffenbarger

Builder

Chris Keefe Builders

Inspection Status

2021-07-07
 Rater ID (RTIN): 8763306
 RESNET Registered
 (Confirmed)

This home will consume 49% less source energy than the LEED Source Energy Budget limit.

Source Energy Consumption (MBtu / year)*

	LEED Reference	As Designed
Heating	177.5	147.4
Cooling	3.8	3.0
Hot Water	59.8	13.7
Lights and Appliances	106.6	92.8
Onsite Generation	0.0	-78.9
Total	347.7	178.1

*Source Energy is determined by multiplying site energy electric use by 3.2 and fossil fuel use by 1.05. Note that if there are major energy consumers not included in this energy rating (e.g. pool pumps), they must be included separately.

Home Feature Summary:

Home Type:	Single family detached
Model:	Watters Residence
Community:	N/A
Conditioned Floor Area:	4,862 ft ²
Number of Bedrooms:	6
Primary Heating System:	Air Source Heat Pump • Electric • 10.5 HSPF
Primary Cooling System:	Air Source Heat Pump • Electric • 16.9 SEER
Primary Water Heating:	Residential Water Heater • Electric • 3.605948 Energy Factor
House Tightness:	1029 CFM50 (1.18 ACH50)
Ventilation:	102 CFM • 10 Watts
Duct Leakage to Outside:	11 CFM @ 25Pa (0.5 / 100 ft ²)
Above Grade Walls:	R-35
Ceiling:	Attic, R-38
Window Type:	U-Value: 0.286, SHGC: 0.29
Foundation Walls:	R-35