

Eight-Year Performance Data

Trail Magic: Home of Carl and Mary McDaniel
495 E. College Street, Oberlin, OH 44074
Operating Energy, Water and Hot Water

Energy

Electricity:

A 3.12 kW PV system was operational for 8 years while a 2.10 kW PV system was operational for 6 years.

Made: 37,988 kWh; 4,749 kWh per year.

Used: 25,062 kWh; 3,133 kWh per year.

Beginning in April 2012 this included about 650 kWh per year for charging a 2012 Plugin Prius hybrid that provided about 25% of the annual miles driven.

Sent to grid: 12,926 kWh; 1,616 per year.

Wood:

Use varied from 0.5 to 1.0 cords of site-harvested hardwood.

Between one and two-dozen bare rooted seedlings were planted each year.

Water

House Water:

80,306 gallons; 10,038 gallons per year.

Hot Water:

20,620 gallons; 2,578 gallons per year.

Outside Water:

Roof water was collected in a 1,850-gallon cistern that provided water for outside use.