

GREEN HOMES OPEN HOUSE
THIS SATURDAY, MARCH 17

Refreshments & Info at Senior Center from 10 am to 11 am

Homes, open from 10 am to 1 pm, listed here from North to South

Steven Wisbaum – 245 Ten Stones Circle

Our **wood-heated** approx. 1,600 sq ft house has a wood frame with **straw bale walls**. This past year we hired Building Energy to install a **solar hot water system** with electric backup and a 7 KW net-metered photovoltaic system, some of which form an **adjustable awning** to provide shade in the summer and maximize solar gain.

Directions:

Ten Stones Circle is located on the west side of North Greenbush Rd. just before the Shelburne/Charlotte town line. Once past the mailboxes, stay to the right at the fork. Please observe our **10 mph** speed limit.

Sandy Steingard – 90 Sunset Road, off Ferry Road

We have **solar panels on our roof** for hot water. Since we do not have a south facing roof, they are installed on the roof that faces east but they are tilted so the panels face south. We also have a **All Earth solar tracker** that we lease to supplement our electricity.

Common Way Homes, Greenbush Road

Gordon Gieg – 21 Common Way

21 Common Way is the yellow house on the southwest end of the green. Relevant features of our home include: **3KW rooftop PV array** for electricity, flat plate panels for **solar hot water**, **super-insulated framing with R40 walls and R60 roof**, Tulikivi **masonry wood heater** which burns less than 2 cords of wood per year. No fossil fuel use. Annual electricity bill with GMP of minus \$70 per year past 3 years.

Joe Lasek – 16 Common Way

Our home is a timber framed 2-story home, which is framed with **Polystyrene Structured Insulated Panels (SIPS)**. We are powered by a **5 kilowatt roof mounted solar photovoltaic** system. We have a 3 flat-panel **solar hot water system**. Our hot water system is supplemented by a high-efficiency propane fired hot water heater. Our home is heated and cooled by a well-fed **geothermal system**. We supplement our heat with a 30,000 BTU zero-clearance fireplace. We also have large south facing windows which provide some **passive solar heating** as well.

Guest parking in our community is to the left of our mailboxes after driving up Common Way and hitting the fork in the road. To get to our home, walk south past the yurt and the townhomes on your left. Our home is the dark green home about 200 yards down on the left. We're #16.

Wolfger Schneider – 18 Common Way

The house is not built in the traditional Vermont way but more in the European way. The 800 sq ft. structure is based on **insulated concrete forms ICFs** and represents a highly energy efficient and wind and humidity leak proof house design. It is all electric with **concrete floor heating** and **solar PV energy** capture. Hot water is provided with instant electrical heating of floor pre-warmed community water. The house's total energy consumption last year, before adding the solar PV and a wood stove, was 5816 kWh. This year I expect to break even, electrically speaking, with the 5.2 kWh PV energy production and a little wood fire boost on very cold days. More [detail on the house](http://wolfgershouse2.blogspot.com/) can be seen at <http://wolfgershouse2.blogspot.com/>

Roel Boumans and Tiny Sikkes – 4685 Greenbush Road

Our house is the only **locally-grown straw-bale home** in Vermont that is build with organic straw from Charlotte that was grown by Tom Kenyon. The framing and windows are all from **recycled materials**. After 9 years of building we still have not used a waste container to ship away building surplus. We have installed **composting toilets** for the sawdust produced, and the cut-off wood is used to heat the house. The house is designed to be part of the homestead, with a **root cellar**, a wine cellar and a processing kitchen in the basement for canning and preserving the vegetables. It is not completely done yet because we are building it as we go (no mortgage). If you like you can extend your visit to our barn and see the cheese room, cows and goat. Features you will not see yet are the green house on the south side that we have already cut the black locust lumber for. The green house will also carry the solar panels to, eventually together with our wind generator, get us of the grid.

Sue Smith - 5166 Lake Road

Solar hot water installed in 1978 and **solar voltaic** (18 fixed panels) installed 2011. Old greenhouse, garden and passive solar house with **wood cook stove**.

Mark Boudreau – 772 Long Point Road, North Ferrisburgh

Originally built as a schoolhouse in the 1830's, this home received an addition in the 1930's by the owners Helen and Louis Laflam. Three barns were built and the farm was widely recognized as one of the foremost poultry farms for the time. The Laflams held ownership until the 1990's.

A full ground-floor green-renovation was undertaken in 2006-2007. Updated function with an open floor plan, preservation and sustainability were the key goals. Most materials were reused with **detailed cost analysis of new windows, insulation and finishes** undertaken, to ensure maximum return on investment and comfort. High performance insulation assemblies were installed, **extensive spray foam insulation** was added with a centrally located woodstove integrated into the original fireplace design for primary heating. The old main barn has been 80% repurposed to be a spacious and inspiring workshop/artist studio. **Landscaping** was not forgotten in the sustainability picture with planting of a healthy **fruit orchard**, extensive berry bushes and herb/vegetable gardens.