



Ross Biological Reserve

Purdue University



Thank you for your support of the Ross Biological Reserve. Strong teaching, outreach, and research continue, including the experiment in energy efficiency that is the caretaker's cabin. Total energy demands are about a quarter of those of an average US home. Geothermal and photovoltaic systems, with ample insulation and energy-efficient appliances, keep it comfortable without combustion (zero emissions).

Since metering began in April 2018, the new building has produced 2603 kiloWatt-hours more than it has used, sufficient to power the rest of the Reserve in summer. In 2019, it produced a surplus 1864kWh. This demonstrates sustainable housing that saves money over 20 years.

