

INSIDE THE NET-ZERO & ECO FRIENDLY HOME

Veggie-based insulation:

Carpets made from corn, paint made from soy and Forrest Stewardship Council-certified lumber and farming materials make up the insulation of the walls, floor roof and basement.

High-performance thermal windows, doors: Reduces heat loss, increases daylight and passive solar heating

Solar thermal heating system: Mounted on the roof, solar collectors heat water used for radiant heating inside the home

Gray water recovery: Sink, shower and washing machine water is collected and used for toilet flushing and for watering the landscape

Large opening doors & Windows
Get fresh air to circulate your home

Surrounding Land: During land cleaning, all trees that are removed are chopped for mulch, and all excavated materials are used for road base, backfill and topsoil.

High-efficiency heat pump: indoor heat warms incoming air with pump.

Solar panels: Convert sunlight into electricity

Wind power system
Wind turbines on the roof provide energy inside the home

Shading and Eaves
Cools the house during hot summer days.

Low-flow water fixtures: Reduce hot water usage.

Home energy manager: A control panel inside the home that allows homeowners to manage energy consumption

Energy - efficient Lighting: High-efficiency CFL, LED and OLED lighting throughout the home

Demand-response appliances: High-efficiency kitchen appliances load from the grid

Geothermal heating and cooling system: To avoid heat being lost, this system uses stable ground temperatures to regulate the heating and cooling of the home. it provides daytime heating and nighttime cooling.

