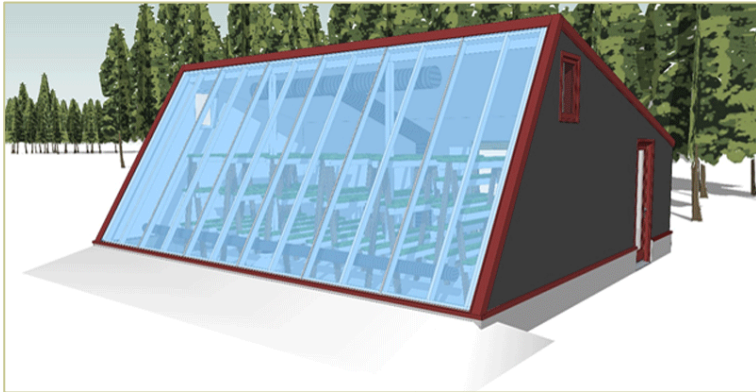


# The Northwest Regional Sustainable Development Partnership, Bemidji Community Food Shelf, and the Sustainable Farming Association

Invite you to a public OPEN HOUSE: Passive solar Deep Winter Greenhouse  
Bemidji, Minnesota: Saturday September 30, 2017 1:00 – 4:00 PM



## Passive solar Deep Winter Greenhouses... from prototype to reality

The U of M Extension Regional Sustainable Development Partnerships have been working with producers and community groups throughout Minnesota to field test a prototype design of a passive solar greenhouse that enables farmers to produce crops all winter long.

This structure contains a south-facing steeply angled glazing wall specifically designed to capture the maximum amount of solar energy possible. That heat is stored in an underground rock bed in a heavily insulated foundation. At night, that heat dissipates into the ambient air above creating an environment particularly well-suited to grow crops that thrive in low-light and low-heat conditions. This Deep Winter Greenhouse enables small- and mid-scale farmers to grow crops for customers year-round.

The Regional Sustainable Development Partnerships have collaborated with pioneering Deep Winter Greenhouse producers to better understand their systems, strengthen the design elements through research, and conduct outreach to help others learn how to build and produce in these greenhouses. The result is a publicly available prototype design, future research, and production programming.

Join us for an open house and ribbon cutting commemorating the opening of the DWG in Bemidji!

### Location:

1260 Exchange Street  
Bemidji, Minnesota 56601

1:00 – DWG Presentations

1:30 – Ribbon Cutting and Tour

2:00 – Self guided tours and Q&A

### Contacts for more information:

Hannah Klemm 218-444-6580

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**RSVP with SFA at [z.umn.edu/DWG\\_RSVP](http://z.umn.edu/DWG_RSVP) so we can contact you with updates or changes**

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