

The Eco Village Project
A Sustainable Community Development
River Falls, Wisconsin

- **Create a community that is safe, sustainable and affordable.**
- **Strive for net zero energy and carbon negative impacts by using best construction practices and innovative materials and methods.**

St. Croix Valley Habitat for Humanity

Sustainability

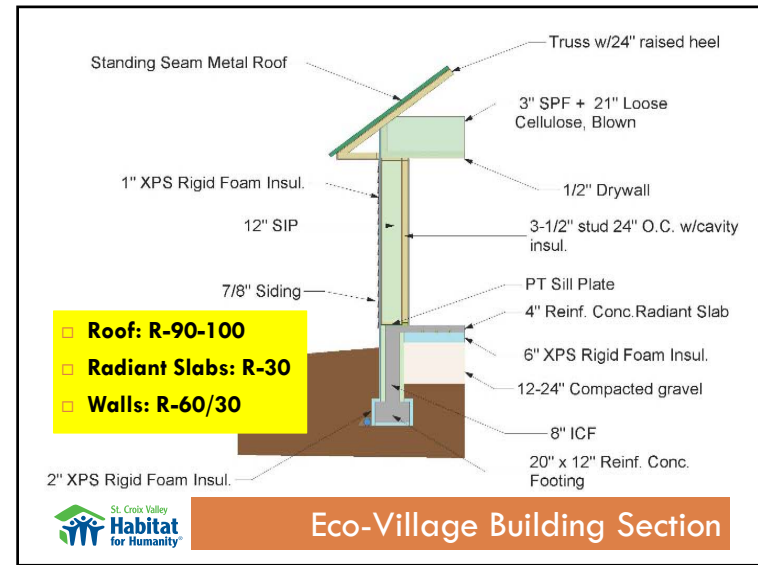
- **Net zero**
- **Carbon neutral**
- **Renewable Energy**
- **Non-potable water for landscaping**
- **Recycled/Renewable building materials**
- **Low maintenance exteriors**
- **Permeable pavement**

Energy

Water

Materials

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Heating, Cooling & Ventilation

- **Primary Heating & Cooling**
 - Fujitsu 12RLS minisplit heat pump
- **Backup Heat**
 - Electro-Industries 2.5/4.5 KW mini-boiler
 - Cove Heat
- **Ventilation**
 - Zehnder ComfoAir 350 ERV
 - In-line fan



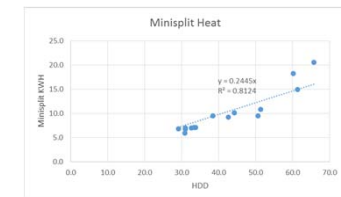
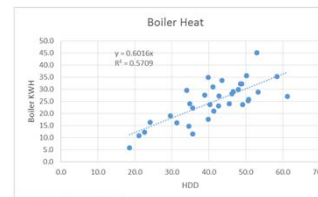
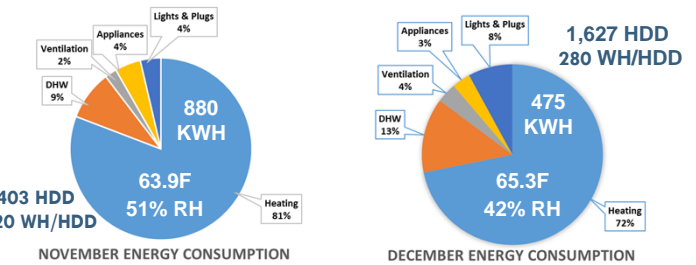
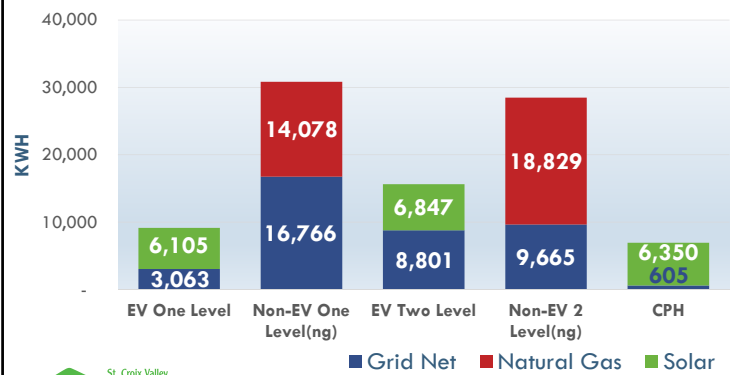
Performance Monitoring

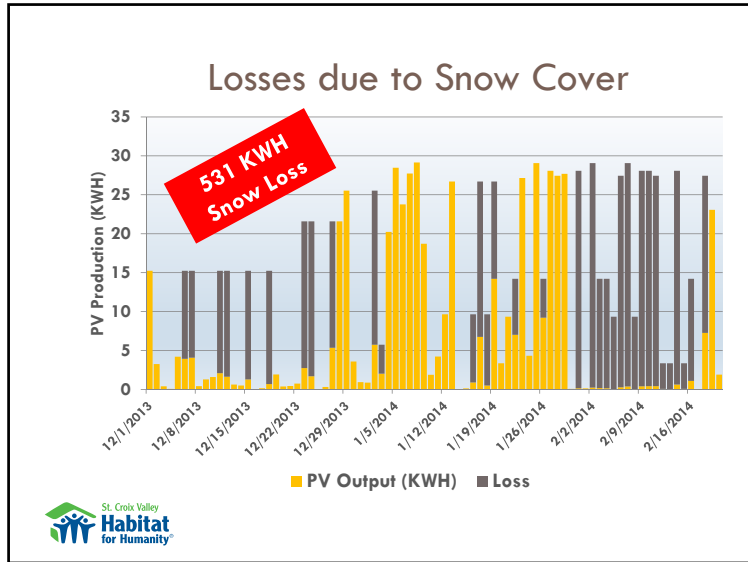
Monitoring Easement in HOA Covenants

- **Energy**
- **Water**
- **Interior Temperatures**
- **Relative Humidity**



Energy Performance





St Croix Valley Habitat for Humanity

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