



9121 County Road 23, Brainerd, MN 56401-Phone: 218-764-2321

Winkelman's Environmentally Responsible Construction

WERC Services

OUR MISSION is to design and build long-lasting, efficient buildings and energy generation systems that conserve natural resources and reduce pollution. As a result, we create good returns on investments that build a more environmentally sustainable economy.

Project Pre-plan Consulting

Design phase consulting, includes site planning, feasibility research, cost-payback projections of green technologies, sustainable building products, energy systems and resources for installers/builders. Ranges: \$1000 to \$4000 for an average home, \$2000 to \$10,000 for a small commercial project. This WERC is done partially with spreadsheets and design software, such as:

- Energy 10
- RET Screen
- Geothermal Loop Design
- Auto CAD
- Chief Architect



Design and Blueprint Services

This WERC includes the above services, plus architectural renderings, schematic drawings, building specifications, shop drawings, blueprint services, photo-realistic designs, 3-D walk-throughs, with detailed estimates of costs, benefits and paybacks.

Construction Project Management Services

Complete project management and renewable energy systems installation services, priced per project.

Earth WERC Land/Water Management Services

Earth WERCs with land managers, and scientists to help you understand how to mimic natural ecosystems to make our waterways, forests, gardens, lawns, orchards and farm land healthier, stabile, resilient and productive.



David Winkelman,
WERC Founder,
RE Designer, Project
Manager, Speaker



LuAnn Nelson,
Certified Energy
Engineer, LEED AP,
Designer, Consultant



Rick Lewandowski,
Solar Engineer,
Founder: SunWize &
Prism Solar, Speaker



Angela Demonte,
LEED AP, EP Certified
Green Building Design,
Product Sourcing,
Consultant



Doug Wogstad,
Engineer, Designer,
Consultant, Speaker



Mario Monesterio,
RE Designer, Energy
10 Teacher, Solar
Installer, Consultant

Also:

- Paul Hunt, Inventor, Bio-Chemist, Physicist.
- Brian Sakry, Mechanical, Controls Engineer
- Jason Edens, RE Designer, Installer
- Allen Cibuzar, Bio-Chemist, Water Research
- Jim Chamberlain, Forester, Water, Soils
- Darryl Thayer: RE Designer, NABCEP Installer,

Over 100 years of combined experience as engineers, designers and installers.

THE WERC TEAM CONDUCTS

Installation and Planning for:

- Wind Turbines • Solar Electric/Heat • Sustainable Buildings • Geothermal • Hydronics

Simple or In-Depth Energy Audits of Existing Buildings.

- Lighting • Building Materials • Ventilation • Insulation • Thermal Imaging
- Blower Doors • Controls • Appliances • EnergyScaping™ • HVAC

Comprehensive Water Planning

- Storm Water • Grey Water • Process Water • Water Plans • Water Gardens • Waterless Toilets

OTHER CONSERVATION SERVICES FOR CONSTRUCTION

Community-Based, Commercial and Residential: Project Lifecycle Costs Analysis, Speakers on Renewable Energy, Green Buildings, Workshops for Solar, Wind, Biofuels, Energy Efficiency, Preferred Contractor Referrals, Resources for Renewable Energy Technologies, Projects, Internet Locator Services, Project Management, Computer Assisted Design Services, Site Planning tools and services.

BUILDING PROJECTS

- Kennedy Community School, St. Joseph, MN
- Apple Valley School of Environmental Studies
- Bay Pointe on Pelican Lake
- Dodge Nature Center
- Eco-Domes™ Conservation Campus
- Hunt Utility Group - Wind Turbine
- Prairie Woods Environmental Learning Center
- Winkelman Building Corporation Solar Roof
- White Bear Lake Racquet & Swim Club

If you'd like to visit one of our Commercial, Public, Community or Residential Development Projects, please call 218-764-2321 for location.



AWARDS

- National Home Center Institute (for Energy Education)
- Minnesota Waste Wize (Pollution Prevention Award)
- MN Governors Award for Green Building of the Year
- National Retail Hardware Association - (Award for Environmental Excellence and an Award for Outstanding Achievement)

PROFESSIONAL ASSOCIATIONS

- American Solar Energy Society
- American Wind Energy Association
- US EPA Energy Star
- Home Center Institute
- International Ground Source Heat Pump Assoc.
- Minnesota Waste Wize
- Minnesota Office of Environmental Assistance
- Minnesota Pollution Control Agency
- National Renewable Energy Lab (NREL)
- National Retail Hardware Assoc.(NRHA)
- Green Architect Association (SBIC)

CONSERVATION TECHNOLOGY AFFILIATIONS

- US Green Building Council-LEED
- Int'l Ground Source Heat Pump Assn.-IGSPHA
- N. Amer. Board of Cert. Energy Practitioners-NABCEP
- Sustainable Buildings Industry Council-SBIC
- Energy Star Builder and Energy Star Products
- Energy 10 (Building Life-Cycle Energy Analysis)
- Photo-Voltaic Installer Certification (Uni-Solar)
- Wind Turbine Industries Corporation (Jacobs)
- National Home Builders Association

WERC A Service of The Eco-Domes LLC 9121 County Road 23, Brainerd, MN 56401

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