

Lowry Lodge

- Offset 2"x 4"s with fiberglass batting insulation
- Low flow aerators and showerheads
- Lighting upgrade of 13w CFLs to 7 w LEDs
- Programmable thermostats
- Lamp wraps and tube lights reduced from 32w to 25w
- Weather stripping around Bremer door
- Off-peak electric brick heating in Bremer Classroom
- Energy Star rated refrigerator and water dispenser



Schwyzer Lodge

- Fireplace insert increases efficiency by >60%. Fireplaces are - 10% energy sink
- 8" Blown cellulose into attics and crawlspaces
- Vapor barrier and spray foam open dirt floor basement
- Replaced 65w flood light with 11w LED
- Electronic, programmable thermostats
- Low-flow aerators and showerheads
- Window refurbishing re-glazing panes, adding weather stripping, sealing jambs, and new period fitting wooden storms and screen windows

Wildlife Barn

- New Vapor barrier, 3" foam insulation, corrugated fiber board siding around exterior
- Same for roof with oriented strand board and shingles
- Electronic, programmable thermostats in Climbing Loft and Wildlife Barn
- .5 gpm aerators in bathrooms
- Passive solar heating and lighting with south facing windows
- 4' x 10' Solar Air Heat Panel
- Redone lighting in loft, system reduction from 995 watts to 360 watts
- 8 watt LED bulbs in main ground floor room



Osprey Wilds has made it a top priority to "practice what we preach". Through grants, creative thinking and generous help and teamwork, we have implemented a variety of renewable energy sources including a geo-thermal heat pump system, solar PV arrays, solar hot water heating, solar air heat, and a wind generator. With these changes, the Center has drastically reduced its dependence of fossil fuel sources of energy and proudly sets an example of what can be done to lessen our human impact of this earth.

We take a leadership role promoting, demonstrating, and educating about our energy choices and sustainable future.

Energy Conservation & Renewable Energy Systems at Osprey Wilds

Committed to environmental stewardship and reducing our carbon footprint

Our Mission:

To instill a connection and commitment to the environment in people of all communities through experiential learning.

Our Vision:

A healthy planet where all people live in balance with the Earth.

To find out more about our sustainable energy commitment, visit our website at www.ospreywilds.org and click on "Stewardship".



Osprey Wilds

Environmental Learning Center

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Building by Building Energy Conservation Improvements

Dining Hall/Office:

- Switch from 32w fluorescent tube lights to 25 w
- High-efficiency cooler fans for walk-in cooler and freezer
- High Pressure, low water dish sprayer
- Motion light sensors in hallways and bathrooms
- Hand dryers as opposed to cloth or paper towels
- High-efficiency hand dryers
- LED lights in display cabinets (replacing 20 watt with 4 watt)
- Foam sealant around fireplace, wall joints, piping penetrations
- Passive Lighting in Dining Hall
- Receives surplus electricity from Crosby Dormitory
- 7 SW facing domestic solar hot water panels for kitchen and sinks
- Rain Garden and Rain Barrel



Both Buildings

- 65 ton, 30 wells @ 206 feet deep Geothermal Ground Source Heat Pumps
- Variable Speed Drive for Geothermal pumps
- Automatic geothermal shutoff for outside air temp between 65 -75F
- Air Handler Exchangers control shutoff with manual override for 4 areas
- 31.2 kw of grid-tied Solar PV system feeding into Dorm and Dining Hall
- Exterior lighting switched from 13 w CFLs to 9 w LEDs
- .5 gpm aerators on hand washing sinks
- Weather stripping along exterior doorways
- Insulation of 16" blown cellulose in attic and eaves
- Foam sealant around fireplace, wall joints, piping penetrations



Crosby Lodge:

- 20 southwest & 2 southeast facing domestic solar hot water for showers/sinks
- Bedroom thermostats that can be regulated from computer, with 8 F adjustment range by participant
- Low-flow shower heads 1.25 gpm
- LED bulbs for reading lamps
- 3.7 kw wind turbine
- Parking Lot Shoebox 400 w, replaced with 80w induction light
- Rain Barrel

