



Sustainability & Transference

Presentation Flow

- What is NOLS?
- The birth of our sustainability initiative
- First steps in formalizing our initiative
- Sustainability initiative goals
 - Climate protection goals
- Leave No Trace & Transference
- NOLS Rocky Mountain facility: past, present and future

NOLS Background

- 14 locations worldwide
- International headquarters in Lander, Wyoming
- > 10,000 students each year
- Wilderness Medicine Institute
- NOLS Professional Training
- \$1 million in scholarships each year
- > 600 field staff
- \$22 million revenue

What do we teach?

- NOLS has a three prong curriculum:
 - Leadership
 - Environmental Studies
 - Includes Leave No Trace (LNT) ethics
 - Outdoor Skills

NOLS Sustainability Initiative Goals

- Conservation and Reduction: Lay the groundwork
- Education: Energize our communities
- Outreach: Spread the word

NOLS Sustainability Initiative

Goal #1

- Conservation and Reduction: Lay the Groundwork

Goal #2

- Education: Energize our Communities

Strategies

- Conserve and reduce energy use
- Facility based conservation
- Responsible procurement
- Curriculum
- Resources: web, books, newsletters, displays, etc.

NOLS Sustainability Initiative

Goal #3

- Outreach: Spread the Word

Strategies

- Integrate sustainability into the NOLS culture
- Communication and transparency
- Communities
- Suppliers and providers
- Outdoor industry and partnerships



Creating a Climate for Change

[Creating a Climate for Change](#)

[The NOLS Bus](#)

[What We're Doing](#)
[Headquarters](#)

[Alaska](#)

[Australasia](#)

[Mexico](#)

[Pacific Northwest](#)

[Patagonia](#)

[Rocky Mountain](#)

[Southwest](#)

[Teton Valley](#)

[Yukon](#)

[Sustainability and NOLS](#)

[Contact Us](#)

Here at NOLS we have developed leaders and adventurers who are passionate about wilderness stewardship. As an educational institution founded with strong environmental ethics, we recognize the need for sustainable practices and positive changes.

On this site we want to offer helpful ideas for making sustainable choices and encourage you to take a look at the steps NOLS is taking toward running a greener operation.



Google Custom Search

Email this page

NOLS >>> ONLINE
Live Support
Click here to chat with a real person

Course Finder
Find the right expedition

Location...

Skill Learned...

NOLS: Creating a Climate for Change Website

Climate Protection Goals

- Adopt the 2% Solution: reduce school-wide carbon emissions 2% annually until 2050, for an overall reduction of greater than 80%
- Interim Goals: 10% reduction by 2010. 30% reduction by 2020

Leave No Trace & Transference

- What does it mean?
- What does it mean to NOLS?
- How did it start?
- How do we formalize and synthesize information?
- How do we bring it from the wilderness setting to the front country setting?

NOLS Rocky Mountain facility

- What we have done:
 - Resource conservation practices (paper, cleaning, fertilizers, composter, 3 R's)
 - Energy efficiency (lighting ballasts, CFL's, windows, fans, human)
 - Renewable energy (solar!)
 - Education



Sustainability steps in all sizes



Employee engagement



NOLS RM Solar Unveiling

NOLS employees, Rocky Mountain Power,
community members, media, local government



Interactive solar educational display

NOLS Rocky Mountain Solar System Live Stats:

VIEW **Simple** Detail

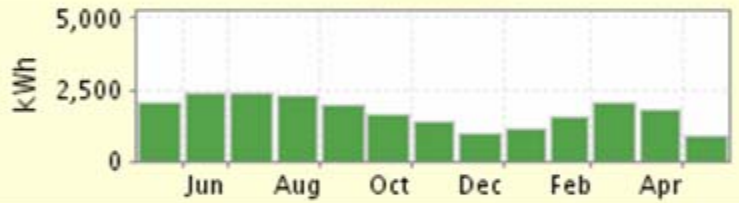
As of: 9:40 AM May 12, 2009 System Size: 14.3 kW DC

Generating 4 kW 



Historical Today Week Month **Year** Lifetime

Generated 22,864 kWh 



Greenhouse Gases Avoided Since installation Feb 19, 2008 i

CO₂ 37,545 lbs.
Average household CO₂ output is 22,750 lbs./yr.

Equivalent to:



The energy to power 602 homes for one day.



The pollution an average passenger car emits over 1,371 days.



What do the stats tell us?
May 2008-2009



NOLS Rocky Mountain Solar System Live Stats:

VIEW **Simple** Detail

As of: 9:40 AM May 12, 2009


System Size: 14.3 kW DC

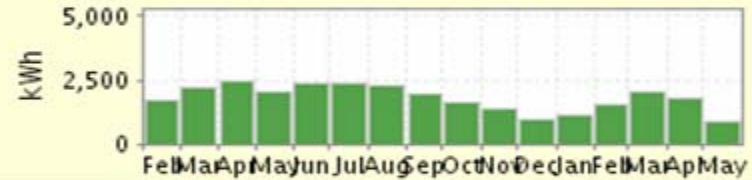
Generating 4 kW 



Local Weather

Historical Today Week Month Year Lifetime

Generated 30,181 kWh 



Greenhouse Gases Avoided Since Installation Feb 19, 2008 i

CO₂ 37,545 lbs.
Average household CO₂ output is 22,750 lbs./yr.



Equivalent to:

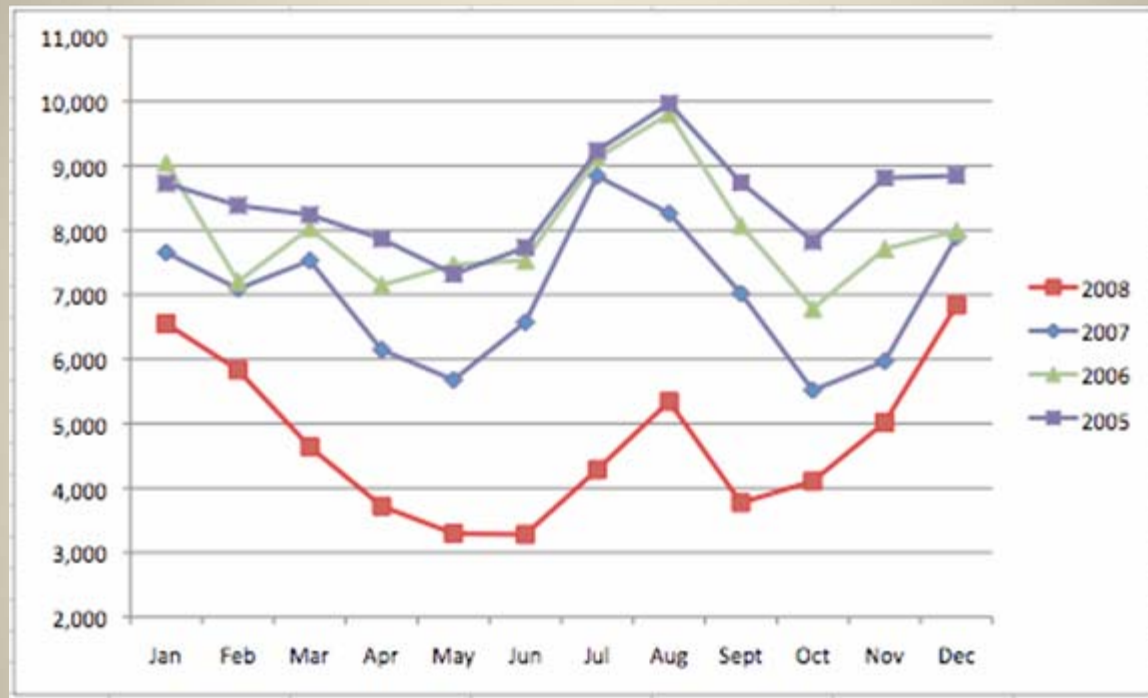
The energy to power 602 homes for one day.



The pollution an average passenger car emits over 1,371 days.

Powered by **Fat Spaniel** TECHNOLOGIES 

What do the stats tell us?
Year to date



Electricity usage 2004 - 2008

What's on the horizon for NOLS RM?

- Further energy reduction and conservation (efficiencies, behavioral changes, education)
- Focused curriculum for students and staff
- Renewables (Noble Hotel)
- Garden
- And more!

Questions?



Thank you!