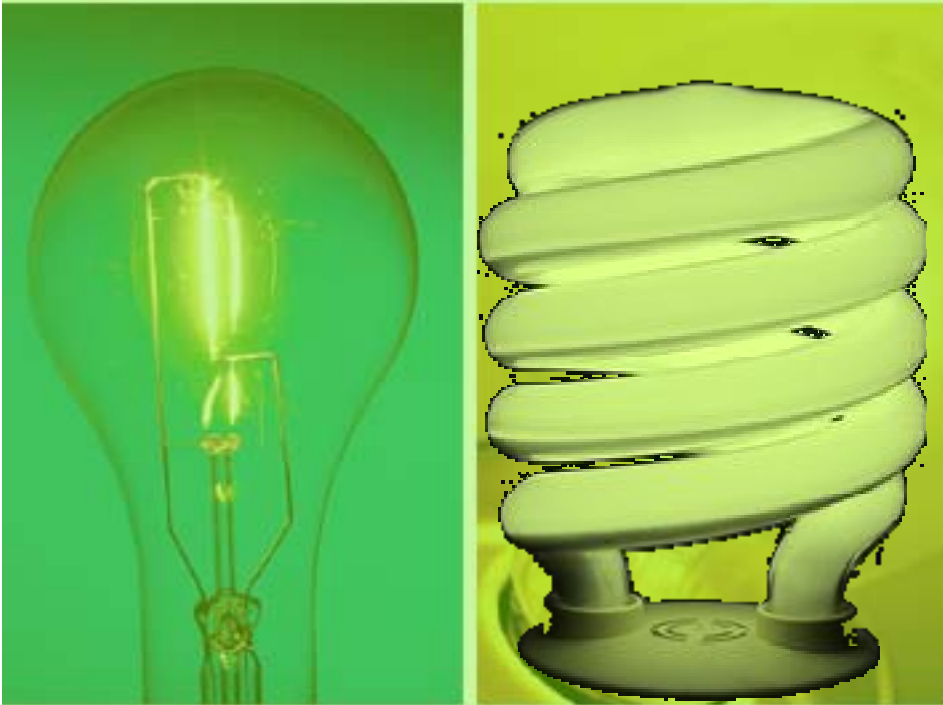
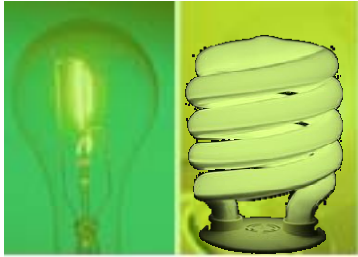


Taking it Home



Berea College
Green Living Workshop

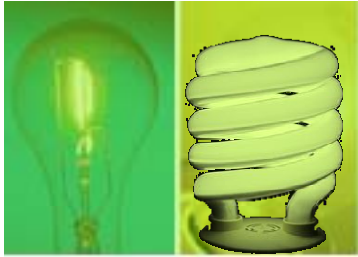
Sponsored by the Ecological Sustainability Education (ESE) Program
and the Year of the Ecovillage



Workshop Overview

- **Berea College Ecovillage Model**
 - Simple Things You Can Do in Your Own Home
- **Net-metering Info**
- **Other Incentive Programs**
- **Self-evaluation Tools**
- **Relevant Reading**
- **Relevant Events**
- **Other Resources**



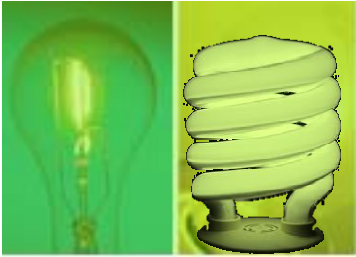


Ecovillage Model: Lighting

- Daylighting/Passive Solar
 - Use sunlight instead of turning on lights during the day
 - Let sunshine set the mood!



- Compact fluorescent light bulbs
 - 20-watt produces the same light as 60-watt incandescent
 - Use up to 66% less energy than incandescent
 - Last 6 to 10 times longer

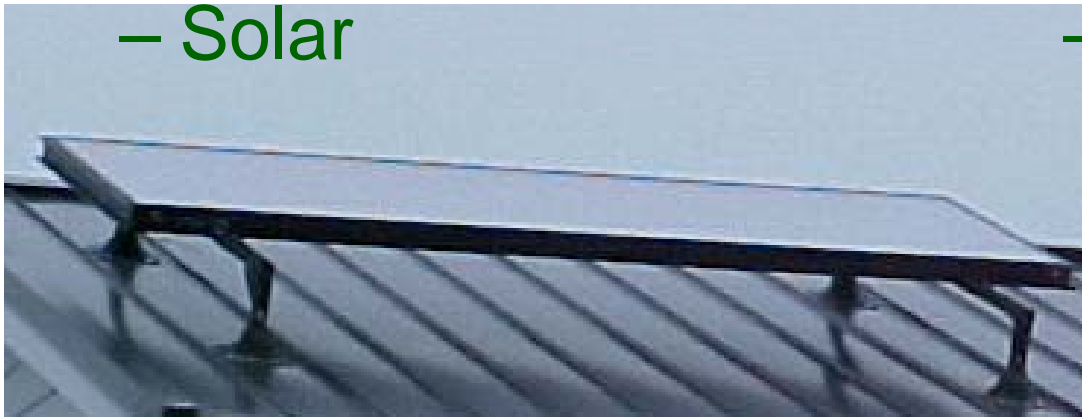


Ecovillage Model: Water

- Low-flow showerheads
 - Save about 50%
 - Cost about \$30
- Low-flush toilet: DIY!
- Water heating

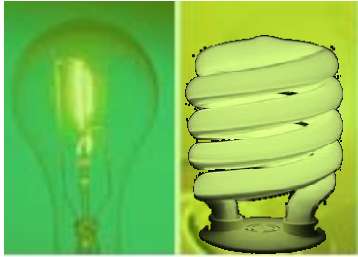


– Solar



– Tank-less on-demand
(propane or natural gas)



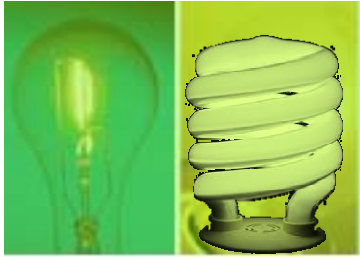


Ecovillage Model: Air Quality

- Insulation/weather-stripping
 - Save up to 20-35% a year
- Low-VOC paints/carpets
 - Reduce toxins associated with allergies and chemical sensitivities
 - Reduce landfill & groundwater contaminants



- Green cleaning supplies
 - Reduce eye & skin irritation, risk of poisoning
 - Reduce toxins associated with allergies and chemical sensitivities
 - Reduce landfill & groundwater contaminants

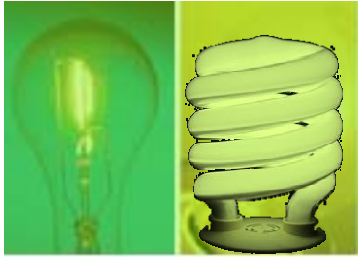


Ecovillage Model: Recycling

There are several ways to  what's unneeded...

- **Recycle**
 - Make individual bins for paper, plastic, aluminum, etc.
- **Compost**
 - Use kitchen scraps & yard waste for organic matter
- **Freecycle**
 - Exchange unwanted goods instead of money
- **Donate!**
 - Christian Appalachian Project
 - Goodwill

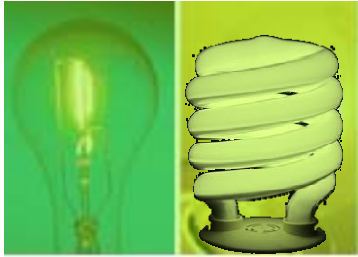




Ecovillage Model: Food/Goods

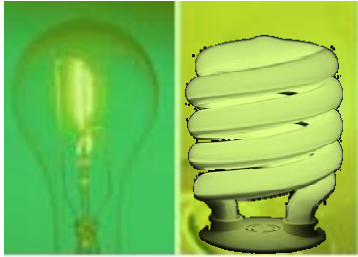
- Local Food
 - Home gardening
 - Farmers' markets
 - Home preservation
- Understanding “Green” Consumer Labels
 - What are you buying?
 - What are you *not* buying?
 - What is the difference?





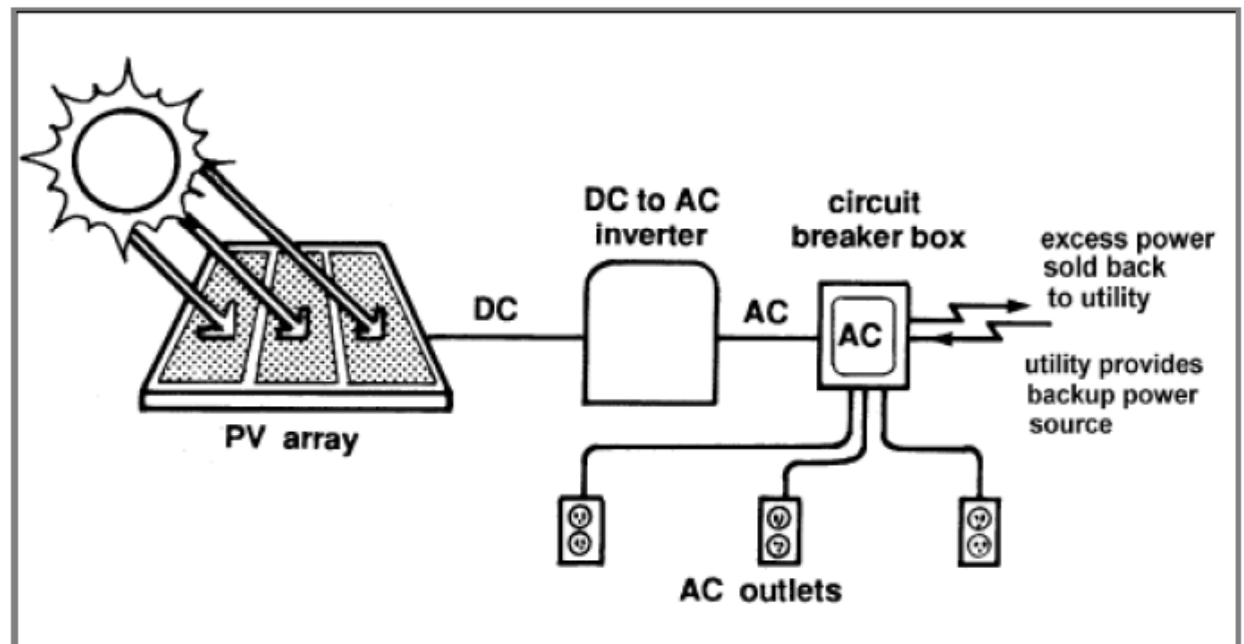
Basic Conservation Tips

- Turn off water when brushing teeth and washing hands
- Turn off lights and appliances when not in use
- Plug appliances into a power strip to eliminate “phantom” load that continues drawing power even when equipment is turned off
- Unplug chargers when not in use
- In winter, lock windows but open shades to let in sunlight
- In summer, close blinds to block direct sun
- Use small oscillating and/or ceiling fans instead of A/C
- Whatever the weather, dress in layers to add and remove as necessary
- Hang clothes out to dry when possible

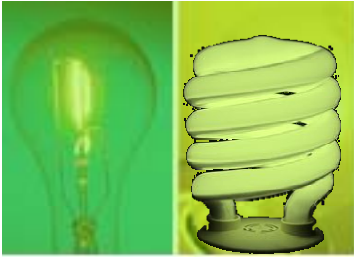


Net-metering Information

- Kentucky law allows net metering for solar electric systems of 15 kilowatts or less
- Grid-intertied systems cost about 20% less than stand-alone
- Net-metering:
 - Maximizes power production
 - Benefits utilities company when demand is highest



Information from the *Kentucky Solar Energy Guide*, published by Appalachia-Science in the Public Interest and Kentucky Solar Partnership



More Net-metering Information

KSP

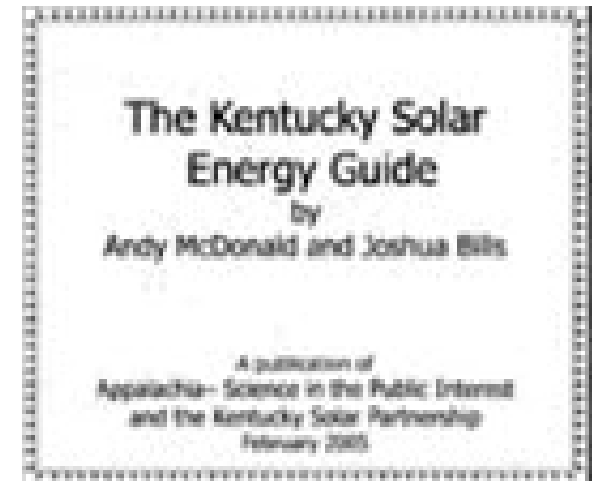


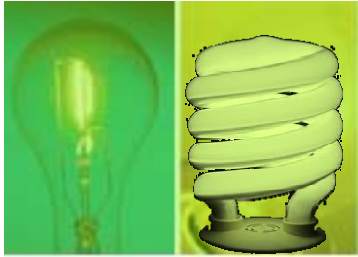
The Kentucky Solar Partnership

A Project of Appalachia - Science in the Public Interest



- <http://www.kysolar.org/>
 - *Kentucky Solar Energy Guide: Chapters 3 & 13*
- House Bill 382 (Word document)
 - <http://www.lrc.state.ky.us/RECORD/03RS/HB382/bill.doc>





Other Incentive Programs

Solar Water Heater Program

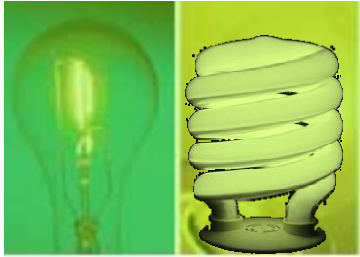
- Loans
- Rebates

Tax Incentive Information

- Federal tax credits for 30% of cost up to \$2000 for photovoltaic and/or solar hot water systems

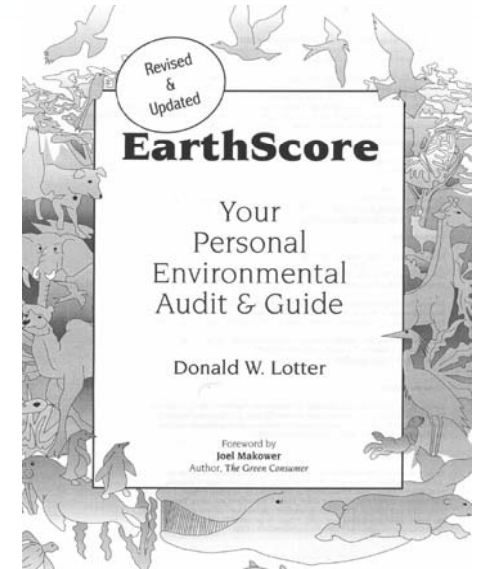
Energy Efficient Mortgage (EEM)

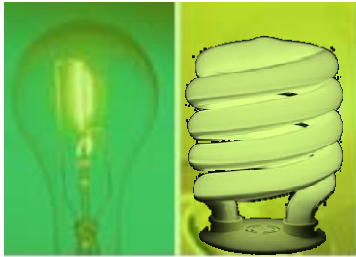
- Finance energy efficiency improvement projects
- Fannie Mae – learn more about EEMs and other programs associated with the Housing and Environment Initiative



Self-evaluation Tools

- EarthScore: Personal Environmental Audit & Guide
- Ecological Footprint Exercise
- Energy Calculators
- Home Energy Tune-up
- Solar Estimator





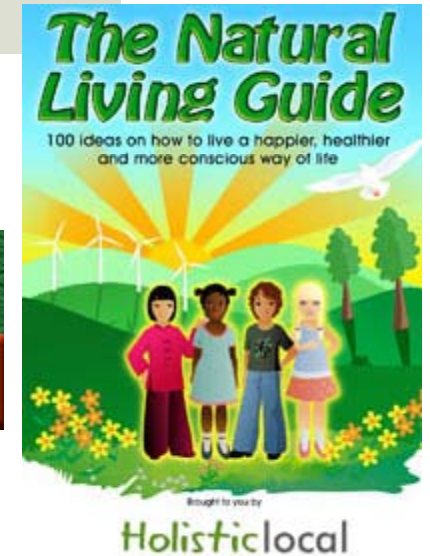
Learn More by Reading:

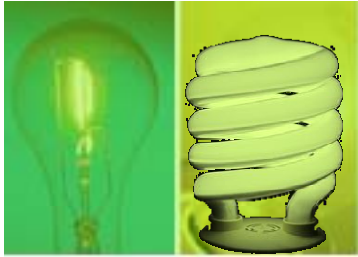


natural
home&garden



green*light





Learn More by Attending:

Berea College Ecovillage Tours

- Every Thursday at 1:30 p.m.
- Every Saturday at 10:30 a.m.



Bluegrass Energy & Green Living Expo

- Saturday, October 6, 10:00am - 6:00pm
- Sunday, October 7, 11:00am - 5:00pm

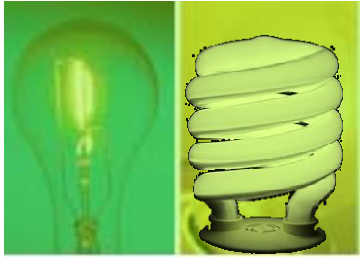


Kentucky Solar Building Tour

- Saturday, October 6, 2007



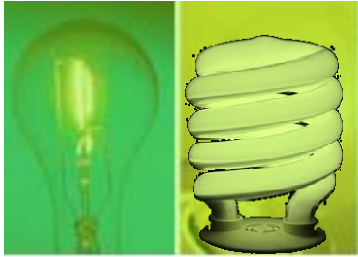
All events are **FREE** and **OPEN TO THE PUBLIC**



Other Resources

- Berea College Firewood
- Kentucky Solar Living
- Lehman's Non-electric
- Real Goods
- Parts Plus
- Habitat for Humanity "ReStore"





Be a Role Model!



- Sign the “Green Steps” sustainability pledge and “Take it Home”
- Create a checklist for your family to carry out regular responsibilities
- Share best practices and new ideas with friends and neighbors
- Organize a community clean-up
- Learn from mistakes and ...
- Celebrate accomplishments!

