

February 14, 2008

Dear friends,

As we announced a few weeks ago, during 2008 the Holy Cross International Justice Office will focus on global warming and climate change. One of the services we will provide is bi-weekly "Green Tips" suggesting ways we can live more sustainably. The first of these is included below.

We hope that you will find these Green Tips informative and helpful - and that you will also forward to us any ideas you would like to share with the Holy Cross family for reducing our collective ecological footprint.

Green Tip #1: Use Energy-Efficient Light Bulbs

Cost factor: Medium

Energy savings: High

Technical difficulty: Low

Standard incandescent light bulbs waste 90 percent of their electricity on heat. In contrast, compact fluorescent light bulbs (CFLs) are 75 percent more efficient. Switching to CFL bulbs is one of the simplest and most effective ways we can impact energy usage.

Look for bulbs with the brightest light (measured in "lumens") with the lowest energy consumption (measured in "watts"). The chart below, taken from the *Environmental Defense Fund* website, shows lumen levels to look for when replacing a standard incandescent bulb. It also indicates the cost and carbon dioxide savings CFL bulbs bring.

| Incandescent | CFL | Lumens | Cost Savings (\$.10(US)/kWh) | Cost Savings (\$.20(US)/kWh) | CO₂ Savings |
|---------------------|------------|---------------|--|--|-------------------------------|
| 40W | 11-14W | > 490 | \$39-\$44 | \$78-\$88 | 507-572 lbs. |
| 60W | 15-19W | > 900 | \$62-\$68 | \$124-\$136 | 806-884 lbs. |
| 75W | 20-25W | > 1,200 | \$76-\$83 | \$152-\$166 | 988-1,079 lbs. |
| 100W | 26-29W | > 1,750 | \$107-\$112 | \$214-\$224 | 1,391-1,456 lbs. |
| 150W | 38-42W | > 2,600 | \$163-\$169 | \$326-\$338 | 2,119-2,197 lbs. |

CFLs are now available with a variety of color characteristics (e.g. warm vs. cool) and in multiple styles. To learn more and find the bulbs that best meet your needs, go to *How to Pick a Better Bulb* at www.environmentaldefense.org/page.cfm?tagid=608.

In peace,
Mary

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