



## Projects to test solar at Lahaina Civic Center

MECO will team with the County of Maui Department of Parks and Recreation to use a renewable energy technology called Building Integrated Photovoltaics (BIPV) in two projects at the Lahaina Civic Center.



MECO President Ed Reinhardt holds a sample BIPV panel like those to be used on the Lahaina gymnasium entryway project while Mayor James "Kimo" Apana gets set up for the Maui Invitational basketball tournament to be held at the gymnasium in November.

What is BIPV technology? BIPV panels not only produce electricity from the sun, they also replace portions of traditional roofing or window walls. By fulfilling two functions, BIPV panels have the potential to be more cost effective and, therefore, more widely used.

In addition to adding value as a demonstration project, the proposed BIPV systems will provide useful structural additions to the Civic Center that will produce an average of 10 to 12 kilowatt hours of electricity each day to offset the Center's daily electricity consumption.

The projects include:

- The construction of a shade structure over the gym's entrance and ticket sales area. The roof will consist solely of BIPV modules that will help to power the building.
- The addition of an event announcement board. A protective BIPV roof will charge batteries to illuminate the announcement board at night, and eliminate the need to connect the sign to the gym's electrical system.

The projects are scheduled for completion in early 2003.



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## Planning your dream home?

MECO, American Savings Bank and Graham Builders are teaming up to sponsor more "Build Your Dream Home" seminars. Come learn how to select a homebuilder and find out how solar water heating can provide energy savings and financing options for your new home.



The Graham brothers, Scott (standing), operations manager, and Danny, president of Graham Builders, can help with your dream home.

The next two seminars will take place in the MECO auditorium, **210 West Kamehameha Avenue, Kahului.**

**Wednesday, October 16, 2002 5:30 p.m.**

**Wednesday, November 20, 2002 5:30 p.m.**



## Bright lights, big savings

If you think fluorescent lights mean harsh, glaring lighting, think again. Compact fluorescent light bulbs (CFs) have come a long way.



Some CF facts:

- **Last longer, save more.** Compact fluorescents use less energy than standard incandescent bulbs and last up to 10 times longer. Over the life of one CF, you can avoid replacing up to nine incandescent bulbs and save at least \$25 in energy costs.
- **Cooler.** Only 10% of the energy used by standard incandescent bulbs contributes to light, the other 90% is wasted as heat. **Energy Star** qualified CFs provide the same high-quality light as standard incandescent bulbs but operate at temperatures of less than 100 degrees and have lower wattage ratings because they use less energy. A typical halogen bulb burns at 1,000°F and can cause burns or fires.
- **Versatile.** Unlike traditional long tube fluorescent lights, new CFs are smaller, more versatile and fit into almost any conventional lamp or lighting fixture.
- **Warm light.** Improved phosphors, the illuminating material in the bulbs, provide warmer, more natural lighting in contrast to the harsh white light of the older fluorescent lamps. Look for a color temperature in the range of 2700K to 3000K on the box.
- **Quick starting.** **Energy Star** CFs use electronic ballasts and have quicker start or strike time and don't flicker or hum like the old fluorescent bulbs.
- **Low price.** Best of all, prices for CFs have never been lower. Recent CFs improvements and a greater awareness and acceptance of the benefits of energy-efficient lighting have resulted in higher CFs production and lower costs.

*TIP: To get the most savings, use CFs in fixtures that are on for at least three hours a day. Porch lights, kitchens, family rooms and study areas may be good locations (check with your lighting dealer for advice on using CFs outdoors).*

To learn more about the new **Energy Star** CFs and how they can offer economic and environmental savings for your home or business, call **871-8461**. **Energy Star** compact fluorescent bulbs are widely available at local hardware and retail stores.



**NEW CHANNEL AND TIMES FOR THE ELECTRIC KITCHEN**

**Oceanic Time Warner Cable of Hawaii Channel 16**

- + Sunday at 9:30 a.m.
- + Monday at 8:00 p.m.
- + Tuesday at 6:00 p.m.
- + Thursday at 6:00 p.m.



### RECIPE OF THE MONTH

## APPLE CARTWHEELS



- 4 medium red delicious apples
- 1/4 cup creamy peanut butter
- 1 1/2 teaspoons honey
- 1/2 cup miniature chocolate chips
- 2 tablespoons raisins

Core each apple 1-inch in diameter. In a bowl, combine peanut butter and honey; fold in the chocolate chips and raisins. Fill the center of apples with peanut butter mixture. Refrigerate for at least one hour. Cut into 1/2-inch rings. Makes about 2 dozen cartwheels.

