



## **MEEP Quarterly Report**

**October 1, 2009 – December 31, 2009**

### **Introduction**

This quarter, MEEP staff saw a total of 3,431 students and 206 teachers. That number is on par with the 3,375 students seen at this time last year but far greater than the 2,290 seen in the Fall of 2007. This quarter's most popular presentations were Electricity & the Environment and My Light.

### **Presentations**

#### **Energy & the Environment**

- Electricity & the Environment - 70 presentations in 32 schools/camps to 1,181 students (Palmer Putnam, Apple Battery, Mini Wind Turbine and PV Fan. Extension: Energy Icebreaker.)
- KidWind - 7 presentations in 5 schools to 114 students (students build their own wind turbine blades. This is usually done in conjunction with the Mini Wind Turbine activity.)
- My Light - 32 presentations in 12 schools to 519 students (reading of My Light by Molly Bang, Mini Wind Turbine, PV Fan.)
- Global Energy Game – 2 presentations to 28 students in 2 schools (students act as the ruling body of an imaginary island called Argyle. They make energy choices for the island while trying to balance the three E's: energy, environment, and economy.)
- Great Energy Debate – 26 presentations to 414 students in 8 schools (students discuss the pros and cons of various energy sources in a team-based debate format.)

#### **Climate Change**

- Climate Change 101 – 17 presentations to 285 students in 9 schools (soda bottle experiment, CO<sub>2</sub> Tag Game or CO<sub>2</sub> Board Game, testing human breath and car exhaust for CO<sub>2</sub>.)
- Climate Change 201 – 3 presentations to 72 students in 2 schools (Climate Time Machine: students graph the climate of the past 20,000 years based on simulated pollen samples from lake sediment cores.)
- Climate Change 301 – 9 presentations to 132 students in 7 schools (HOBO Energy Experiment, PowerPoint, Carbon Footprint. Extension: Carbon Footprint Journaling.)

## **Green Schools**

- Energy Patrol – 17 patrols started in 4 schools with 66 students (Electric Meter, Light Meter, Electric Nameplate, Kill-A-Watt, Energy Patrol Skit.)
- Vending Miser Challenge – 4 projects started in 4 schools with 71 students (students use a Kill A Watt meter to test how much electricity a vending machine uses before and after installing a Vending Miser.)
- School Energy Efficiency Investigation - 15 skills training in 8 schools to 374 students (Kill-A-Watt, Light Meter, IR Thermometer, HOBO.)
- Home Energy Efficiency Investigation – 2 skills trainings to 13 students in 2 schools (Kill A Watt, IR Thermometer.)

## **Transportation & the Environment**

- Alternative Fuels – 7 presentations in 3 schools to 119 students (NOVA Video, Fuel Cell Cars, Jeopardy.)

## **Outreach Efforts**

3-October: Green Energy Open House, Southern Maine

9-October: MSTA Conference, Gardiner

24-October: Earth's ECO (350.org), University of New England

24-October: 350.org, Oxford Hills

28-October: Middle School Wind Turbine Design Challenge Workshop, Portland

4-November: Middle School Wind Turbine Design Challenge Workshop, Newport

13-15-November: Maine Solar Energy Assn. Workshop, Standish

20-22-November: Junior Solar Sprint Coordinator's Workshop, Massachusetts

12-December: FIRST LEGO League Competition, Augusta

15-December: 4-H Power of the Wind Teacher's Workshop, Turner

## **Professional Development**

2-December: Maine Math & Science Alliance Literacy Workshop (Peter)

11-December: Grantsmanship, United Way, Bath (Stefany)

## **Financial Report**

Federal Dollars Spent: \$6,500.00

Non-Federal Dollars Spent: \$ 31,798.60