



MEEP Quarterly Report

January 1, 2009 – March 31, 2009

Introduction

This quarter, MEEP staff saw a total of 3,385 students and 190 teachers. Electricity & the Environment continues to be a popular activity. My Light is also gaining in popularity as word spreads that we now work with younger students. School Energy Efficiency Audits and Climate Change 301 are still very popular offerings.

Presentations

Energy & the Environment

- ❑ Electricity & the Environment - 79 presentations in 40 schools to 1,495 students (Palmer Putnam, Apple Battery, Mini Wind Turbine and PV Fan. Extension: Energy Icebreaker.)
- ❑ Full-day Workshop - 14 workshops in 14 schools to 558 students (Energy Icebreaker, Debate, Electricity & the Environment, Jeopardy.)
- ❑ KidWind - 2 presentations at 2 schools to 39 students (students build their own wind turbine blades. This is usually done in conjunction with the Mini Wind Turbine activity.)
- ❑ My Light - 19 presentations in 7 schools to 250 students (reading of My Light by Molly Bang, Mini Wind Turbine, PV Fan.)
- ❑ Global Energy Game – 6 presentations at 3 schools to 121 students (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.)

Climate Change

- ❑ Climate Change 101 – 17 presentations in 12 schools to 264 students (soda bottle experiment, CO₂ Tag Game or CO₂ Board Game, testing human breath and car exhaust for CO₂.)
- ❑ Climate Change 201 – 7 presentations at 2 middle schools to 109 students (Climate Time Machine.)
- ❑ Climate Change 301 – 14 presentations in 7 schools to 250 students (HOBOT Energy Experiment, PowerPoint, Carbon Footprint. Extension: Carbon Footprint Journaling.)

Green Schools

Energy Patrol – 2 patrols started at 2 schools with 28 students (Electric Meter, Light Meter, Electric Nameplate, Kill-A-Watt, Energy Patrol Skit.)

School Energy Efficiency Audit - 28 skills trainings at 19 schools to 558 students (PowerPoint, Kill-A-Watt, Light Meter, IR Thermometer, HOBOT.)

Kill A Watt Challenge – 5 skills trainings at 2 schools to 94 students (students learn how to use a Kill A Watt meter to seek out phantom loads and inefficient appliances.)

Transportation & the Environment

Clean Air Zone Workshop – 2 Clean Air Zone workshops for 66 students at Bath Middle School (poster-based scavenger hunt, a community mapping activity, Clean Air Game, a human graphing activity based on lung capacity, Eco-Detective skit.)

Alternative Fuels – 3 presentations at 3 schools to 21 students (hydrogen fuel cell DVD, Alt Fuels Jeopardy and model fuel cell cars.)

Junior Solar Sprint – 2 mentor workshops serving 12 teachers from around the state.

Professional Development

Stefany took a website design course through Wiscasset Adult Education online. Stef and Tony attended the Maine Environmental Education Association Conference on March 27th. Beth is currently attending the Building Operator Certification course offered through Efficiency Maine.

Outreach Efforts

- February 7: Judging for First LEGO League Robotics competition (focus on climate change) at Bonny Eagle HS
- February 21: Interactive display at Engineering Expo (USM); dozens of students and parents came by
- March 27: Presentation on MEEP offerings to 4 teachers at the Tri-District Workshop in Searsport; another session for a group of 20 or so adults on energy conservation in the home
- March 27: Presented Climate Change 101 at the MEEA conference in Wiscasset

Financial Report

SEP: \$6,500

Matching Funds: \$ 23,617.89

