



MEEP Quarterly Report to Maine Public Utilities Commission

April 1, 2008 – June 30, 2008

Introduction

This spring, MEEP staff saw a total of 2,815 students and 346 teachers. Some of their presentations took the form of full-day workshops including one or more classes. Other times, the more basic Electricity & the Environment was presented. There has been a great increase in the number of Climate Change activities requested for middle and high schools. Transportation & the Environment activities, particularly the Junior Solar Sprint, were also a cornerstone of MEEP's work this spring.

Workshops

This quarter, MEEP completed 7 in-school workshops for grades 4-6 and one "regional" workshop at the Schoodic Education and Research Center. The content of the in-school workshop is the same as the regional workshop (Icebreaker, Palmer Putnam, Great Energy Debate, Electricity & the Environment and Energy Jeopardy).

Presentations

Energy & the Environment

- ❑ Electricity & the Environment - 59 presentations in 26 schools to 1,025 students (Palmer Putnam, Apple Battery, Mini Wind Turbine and PV Fan. Extension: Energy Icebreaker.)
- ❑ KidWind - 4 presentations in 2 schools to 96 students (students build their own wind turbine blades.) *NEW!
- ❑ My Light - 5 presentations in 3 schools to 83 students (reading of My Light by Molly Bang, Mini Wind Turbine, PV Fan.)

Climate Change

- ❑ Climate Change 101 – 5 presentations in 4 schools to 85 students; grades 5-HS (Soda bottle experiment, CO₂ Tag Game or CO₂ Board Game, testing human breath and car exhaust for CO₂.)
- ❑ Climate Change 301 – 16 presentations in 6 schools to 264 students; grades 6-HS (HOB0 Energy Experiment, PowerPoint, Carbon Footprint. Extension: Carbon Footprint Journaling.)

- Climate Change 401 – 1 presentation in 1 school to 34 students; HS (Global Energy Game.)
- Climate Change 501 – 2 presentations in 2 schools to 39 students; grades 5-HS (Maine Plant Watch Research Project.)

Green Schools

Energy Patrol - 1 skills training in 1 school to 19 students; grades 4-6 (Electric Meter, Electric Nameplate, Light Meter, Energy Patrol Training. Extension: Kill-A-Watt Meter.)

Vending MISER Challenge - 6 skills trainings in 4 schools to 97 students; grades 5-8 (Electric Nameplate, Kill-A-Watt Meter, Vending MISER Training.)

School Energy Efficiency Audit - 2 skills trainings in 2 schools to 21 students; grades 7-8 (PowerPoint, Kill-A-Watt, Light Meter, IR Thermometer, HOBO.)

Transportation & the Environment

Alternative Fuels - 5 presentations in 4 schools to 50 students; grades 6-HS (Fuel Cell video, fuel cell cars, Transportation Jeopardy.)

Teen Driver Car Maintenance 101 - 2 presentations in 1 school to 26 students; HS (Driving Softly video, car ownership stations, quiz game.)

Starch Sleuths/Cellulosic Ethanol - 3 presentations in 1 school to 22 students; 7th grade (Testing various materials for starch content.) *NEW!

Junior Solar Sprint - 9 qualifying races at 9 schools for 588 students. State finals: 125 students. Regional finals: 6 student teams from Maine; grades 5-8. 2 mentor trainings with 8 participants.

Electrathon – 1 competition with 18 students; HS.

Fundraising

CFL Fundraiser – MEEP contributed 90 CFLs to CHIP (Community Housing Improvement Program) at the Mid Coast Greens Energy Expo in Damariscotta in April.

Outreach

MEEP set up interactive displays at 10 conferences/events. All in all, they reached over 500 children and adults. They also presented at 2 of the events, with a total of 3 presentations to 33 people. Peter presented Alternative Fuels 5 times at a school in Stratham, NH. There were 100 students total.