

Summary of Benefits from *Efficiency Maine* Program

(from 2005 Annual Report to Legislature)

- ✓ Electricity bills have been reduced by \$2.8 million, an overall increased savings of 65% more than last year. The business program alone experienced a 45% increase in savings. These savings are equal to the amount of electricity used by 4,000 average Maine households
- ✓ Estimated reduction in emissions: 17,620 tons of carbon dioxide, 56,449 lbs of sulfur dioxide, and 20,453 lbs. of nitrogen oxides.
- ✓ Promotional efforts coupled with rising energy prices have increased participation rates despite the program's capped budget.
- ✓ Conducted first program evaluation which showed that the program is well received and overwhelmingly cost effective.
- ✓ Overall: the program has seen steady gains in energy efficiency achieved for each year over the past three years.

Business Program

- ✓ 116 manufacturers, wholesalers, retailers, professionals and contractors who work with Efficiency Maine to promote, install and service energy efficient equipment have been added to the existing 341 since last year's report.
- ✓ The Program provided \$1,598,980 in financial incentives to 315 Maine businesses and schools and it has helped them save more than 13 million kWh of electricity. The estimated reduction in annual operating costs is more than \$1,400,000.
- ✓ The Business Program is cost effective with a Benefit to Cost Ratio of 2.4 to 1.

Residential Lighting Program

- ✓ 166 retail partners have been trained on the benefits of energy efficient lighting; 31 events at retail locations demonstrated the value of face-to-face sales by promoting the sale of 4,385 bulbs.
- ✓ Due to successful promotion efforts, sales of efficient lighting have doubled from the program's first year and the number of participating retailers and web site hits are all increasing.
- ✓ Program benefits exceeded costs by 1.6 to 1.

Low Income Appliance Replacement Program

- ✓ Program delivered to low income customers over 1,500 refrigerators (twice as many as 2004) and more than 18,000 efficient compact fluorescent lamps (three times as many as 2004).
- ✓ Consumers have saved an average of \$190 per year on their electricity bills.
- ✓ The program is cost effective with a benefit to cost ratio of 1.8 to 1.

Building Operator Certification Program

- ✓ An evaluation of the program documented average energy cost savings in municipal buildings of \$15,114 per year through improved maintenance practices taught in the course.
- ✓ Facilities operated by the 2005 graduates are expected to save 5,637 MWh per year.
- ✓ The program is highly cost effective with a benefit to cost ratio of 5.8 to 1.

Maine High Performance School Programs

- ✓ All 17 schools currently eligible for public funding have signed on to the program.
- ✓ A second group of schools identified by the Maine Dept. of Education will be required by law to be 20% more energy-efficient than the current commercial building energy code.

State Building Programs

- ✓ As a result of program funding, a number of lighting upgrades in multiple buildings were accomplished and a major upgrade to the Governor Baxter School for the Deaf was made more efficient.
- ✓ The program is working on a third-party contract for five buildings in the Augusta area. Preliminary indications are that a \$780,000 investment will yield a 17% reduction in energy consumption and \$123,000 per year in reduced operating costs.

School Energy Education Program

- ✓ During 2005, the Maine Energy Education Program provided classroom presentations to 102 schools across the state.
- ✓ The Maine Public Service Company program conducted 59 educational presentations and reached over 1,410 students.