

GREENHOUSE GAS EMISSIONS REDUCTION FUND

Final Report

Program title: Energy audit of town buildings of Warner, New Hampshire.

Program type: Energy audit

Summary of work completed during final reporting period:

The Town purchased 2 data logging devices to establish benchmark data and ongoing monitoring of those data. These devices are part of our proposal and Cost: \$421. These devices will be put into use as the recommendations contained in the energy audit report are implemented. When the recommendations for the Old Graded School are done, they will indirectly benefit low income residents to the extent that the Town will have a sustainable building to house non-profit organizations serving the community.

Summary of overall project completed:

Task 1: Energy audits on thirteen (13) town buildings:

Subtask 1.1: Blower door and infrared camera inspections.

Subtask 1.2: Other diagnostics that may include combustion analysis, measuring exhaust fan air flow, analysis of utility bills, moisture content of materials, and visual site inspection.

Task 2: Request reports on energy audit findings that will serve as building manuals with detailed descriptions of specific issues that need to be addressed and best practices for improving them.

Task 3: Prepare a power point presentation for the Warner Selectmen to help in their process of making decisions about strategies for improving the buildings.

Task 4: Prepare a proposal for EECBG grant to implement the recommended envelope upgrades as contained in the Warner Energy Audit report (Task 2). Grant request was not approved.

Task 5: Purchase 2 data logging devices to establish benchmark data for temperature and humidity and then monitor those data as energy audit recommendations are implemented.

All tasks completed as contained in our proposal for \$10,281 actual vs. \$11,150 approved grant.

Jobs created: no jobs were created as a result of the audits

Obstacles encountered / milestones not reached: none

Beyond the contract:

1. The envelope upgrade recommendations for the Old Graded School formed the basis for our EECBG proposal. We used some of our grant funds earmarked for additional consultation to obtain confirming cost estimates for the upgrades from Bruss Construction Company in Bradford, NH.
2. Some of the envelope upgrades recommended in the audit report will be completed this year using our building maintenance budgets. This will also take place in 2011. We will also propose funds be set aside as part of the capital budget at the next Town Meeting.

Materials:

Energy Audit Report – Part A & B (attached)

Energy Audit Presentation Poster – January 7, 2010 (attached)

Budget vs. Actual Expenditures:

Line Item	Original Grant	Revised Grant	Actual through June 30, 2010
1. Energy Audit & Report	\$7,650	\$7,650	\$7,650
2. Additional Consultation: EECBG proposal support	\$1,500	\$2,210	\$2,210
3. Data Loggers	\$2,000	\$1,290	\$421
Total	\$11,150	\$11,150	\$10,281

Press activities planned: none at this time.