

CITY OF [REDACTED]

P.O. DRAWER B * [REDACTED], ALASKA 99 [REDACTED]

Phone: (907) [REDACTED] Fax: (907) [REDACTED]

August 2, 2007

RurAL CAP Foundation
Attn: David Hardenbergh
Executive Director
P.O. Box 200908
Anchorage, AK
99520-0908

To: RurAL CAP Foundation Board of Directors

Our City of [REDACTED] is considered by all standards to be a rural economically distressed community. We are only accessible by water or air. For this reason, the cost of energy can be difficult for most of the community to pay and at times fuel is unattainable during inclement weather (since it is brought by barge). We are engaging in an effort to develop a community wide profile of energy usage, giving us the means to decide how to best reach the goal of lower energy usage. Many members have also expressed a desire to learn how to reduce their home energy bills and so we are planning an Energy Science Fair. The fair will include presenters from local energy companies and alternative energy advocates (I have already worked to obtain these groups' commitments to attend the energy fair).

The Energy Fair activity for which we are requesting funding would take place over a period of four months and would help create a residential profile of energy usage with the aid of the local school and community residents. During the four-month period, our local school would work with all interested students to conduct an adult-supervised home energy assessment effort. Students would be loaned a kit with the tools necessary to evaluate their own homes' energy usage. It is estimated that it would take approximately 1-2 days for a student to do an evaluation of their own home. Once the evaluation was done, the students would submit their findings and the kit would be loaned to the next student. It is estimated that six kits would be needed in order for all students to participate in the exercise. The kits would include a wattmeter (to measure energy usage of household appliances), a humidity meter, and a camera to take pictures of trouble areas (such as ice or water condensation on inside windows or walls), as well as a data sheet to use to record the information that they gather.

The data will then be compiled in aggregate and will be used to inform participants of their energy usage and ways to lower their energy consumption (guidelines will be of that set by nationally recognized Energy conservation authorities). These reports will then be given out at the Energy Science Fair to the participants.

The project is expected to give students and their family members a real understanding of energy efficiency and a clear understanding of the actions they can personally take. Additionally, the information will provide a profile that can be used to seek out other avenues for reducing energy usage, such as alternate renewable energy sources for the City of [REDACTED].

