

Renewable Energy Alaska Project Weather Education Program Application

I. Applicant Information

Name: _____ Community: _____

School(s) or school partner: _____

Organization name (optional): _____

Address: _____

Community population: _____ School population: _____

Subject(s) taught: _____

Grade(s) taught: _____ Teaching experience (years): _____

Number of students reached annually: _____

Contact phone: _____ Contact email: _____

II. Project Scope

In order of priority, please list one or more questions you and your students plan on exploring using the weather station that will address a local energy issue.

Essential Question: How can we address an energy issue in our school and/or community using the weather station data?

Examples:

- How viable is wind and/or solar as an alternative energy solution for our school or community?
- How does the number of annual heating degree days (HDD) for my community relate to the amount of energy required to heat my school?

Please describe the energy burdens or challenges in your community.

What value will the development of a project using the weather station bring to your school and/or community?

How will you help your students engage and maintain engagement in this project over the course of multiple school years?

How will you and/or your students engage the community in this project?

What, if any, potential partnerships will you explore in using this weather station? How could your project benefit from such partnerships? (Examples: GLOBE Citizen Science, Alaska Center for Energy and Power (ACEP), local community council, etc.)¹

Where is the location at your school/site where the weather station can be safely placed? Please describe and include a photo of an approved location.

¹ REAP will provide support in forming partnerships if necessary

Please check the box to indicate your understanding of the following statements:

- I will submit short quarterly progress reports with REAP on project status, with a photo of the weather station included.
- I will put a good faith effort in maintaining the safety and security of the weather station while it is at my school.
- I will help the students develop an annual report to share data collected and important findings with another group. Examples: science fair project, presentation to local community council, participation in [GLOBE virtual student science symposium](#), presentation at [Alaska Forum on the Environment](#), etc. I will submit reporting documentation to REAP.
- I will inform REAP with any changes that hinders my ability to maintain the responsibility of the weather station and/or oversee student research for the project duration.
- I understand that any photos or materials that I send to REAP may be used for promotional materials.
- I have access to reliable internet on a regular basis to view and analyze the data.

List the contact information of one other person at the school who will help you in your efforts to develop and oversee this project. This person can be another educator or administrator.

Name: _____ Occupation: _____

Contact number: _____ Contact email: _____

Is there any additional information you'd like us to know? (Extra credentials, success in leading prior student projects, particular need of your school/community not already stated, etc.)

Optional: You may submit any supporting documentation you feel is necessary, such as documentation of a past student project or letter of support from a community council.

Submission:

Submit applications and questions to:

Tyler Katzmar

tkatzmar@realaska.org

907-313-4728