The POWER PLEDGE CHALLENGE

OBJECTIVE

The objective of the Power Pledge Challenge is to teach students about energy efficiency and conservation. More specifically, it is to give youth a better awareness of how they use energy and the importance of taking measures to use energy wisely both at home and school.

OVERVIEW

This project is co-hosted by Chugach Electric Association, Inc. (Chugach) and Renewable Energy Alaska Project (REAP).

Seventh grade science classrooms throughout the Chugach service territory are invited to participate in the Power Pledge Challenge. Each participating class will represent a competing team in the challenge. Students earn points for their team through pledging to complete energy efficiency measures in their own homes. Teams will be judged based on the greatest amount of pledged savings.

Provided by Chugach and REAP Staff	Role of Participating Teacher
1) One 45 minute class presentation, including: a. Presentation on energy efficiency and conservation b. Hands-on classroom activity with associated materials c. A Power Pledge Challenge Packet – for both teachers and students 2) Prizes for the challenge winners!	1) Support for students during the two week challenge period by providing reminders for them to complete their home energy audit and fill out their pledge sheets at home. 2) Collection of the Power Pledges for each of their participating classes.

WHAT'S IN IT FOR YOU?

- A new and fun way to fulfill Alaska Science Content Standards.
- The three classrooms with the most pledged savings will receive a prize courtesy of Chugach Electric Association.

1st Place A pizza party for the winning team plus a LED light bulb for each student on the team. The teacher of the winning team will receive their choice of a National Energy Education Development (NEED) science energy kit, up to $1000.

2nd Place Each student on the second place team will receive a LED light bulb. The teacher of the second place team will receive their choice of a NEED science energy kit, up to $750.

3rd Place Each student on the third place team will receive a LED light bulb. The teacher of the third place team will receive their choice of a NEED science energy kit, up to $500.

HOW TO GET STARTED

- **Before September 15, teachers need to schedule a classroom visit between the dates of October 27, 2014 and November 7, 2014.**
- **To schedule a classroom visit contact Kate Ayers at Chugach Electric at kate_ayers@chugachelectric.com or 907.762.4323.**
- **All requests are scheduled on a first come, first served basis so contact us today!**

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ALASKA STANDARDS

The lesson provided during your class presentation is standards based!

Science Performance Standards

- [7] SA1.1 asking questions, predicting, observing, describing, measuring, classifying, making generalizations, inferring, and communicating
- [7] SB2.1 explaining that energy (i.e., heat, light, chemical, electrical, mechanical) can change form

Alaska English Language Arts and Mathematics Standards

- RST.KI.6-8.3 Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
- RST.CS.6-8.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6-8 texts and topics.
- M.RP.6-7.2 Understand the concept of a unit rate (a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of a ratio relationship) and apply it to solve real world problems