Thank you for contacting Nueces Electric Cooperative about a field trip! As a community partner, we want to help you educate your student about electricity, resources, and how electricity is made. We would like to split classes into two-three groups. Each group will go on the field trip on a different day, and no more than 30 kids will be in each group. We will provide a $250 stipend for transportation costs, and we will be providing lunch.

NEC will host one field trip on any given day between the hours of 9:30 a.m.- 2:00 p.m. A typical field trip consists of:

- Classroom education and videos on energy, generation renewable energy and Co-op's
- Demonstrations: Lineman, Electrical Safety, Energy Efficiency, Renewable Energy
- Pizza lunch

School Name: ________________________________________________________________
Grade Level: ________________________________________________________________
Contact Name: ______________________________________________________________
E-Mail: ________________________________________________________________
School Phone: ______________________________________________________________
Cell Phone: ______________________________________________________________
Requested Date of Field Trip: ________________________________
Time Frame: ______________________________________________________________
Number of students: _________________________________________________________

Select modules to fit your time frame...

or select them all!

(include a 1-hour lunch in your time plan)

**Energy Classroom:** (45 mins) This module will teach students what energy is, the types of resources, how electricity is generated and how it gets to their home.

**Co-op Tour and Lineman Demonstration:** (1 hour) Your students will be taken on a guided tour of the electrical Co-op to help them understand how an electric company operates. Students will meet a lineman who will show them the gear they use in the field as well as demonstrate how lineman physically climb power poles. Students will be shown a bucket truck and the bucket truck will be raised to take a picture of the student group below, which will be given to the teacher to take back to the school to commemorate the SEE Trip.

**Safety & Efficiency Classroom:** (1 hour) Students will experience an interactive safety demonstration and participate in an interactive safety challenge. Additionally, Students will become energy detectives while learning how they can conserve electricity.

**Renewable Energy Demonstration:** (2 hours) Students will view and learn about the Co-op's renewable energy project and the five main types of renewable energy (what they are and how they work). Students will participate in a craft to create their own

Return form to: communications@nueceselectric.org
Fax: 361-933-1178
Questions? Call 361-767-7321
General Agenda: Note: this can be shortened as needed to accommodate time frames

I. 9:30 a.m. Welcome and Classroom: What is energy, types of resources and how it gets to your home.

II. 10:20 a.m. Electrical Safety Demonstration

III. 11:00 a.m. Renewable Demonstration Co-op Facility tour

IV. 11:45 a.m. Lunch

V. 12:30 a.m. Lineman Demonstration

VI. 1:30 p.m. Final fun quiz and prizes

VII. 2:00 p.m. Thank you for coming!

TEKS Objective:

Nueces Electric Field Trips can cover several areas of TEKS.

➢ Students will be able to identify sources of renewable energy.
➢ Students will be able to identify sources of non-renewable energy.
➢ Students will understand how the different sources create energy.
➢ Students will understand how electricity is generated and gets to their home.
➢ Students will learn how the Co-op utilizes circuits to deliver electricity.
➢ Students will learn about Co-op's, how they work, their universally shared principles, and the member-board of director - employee cycle.
➢ Students will tour the facility to understand how an electric co-op operates and employment opportunities for skilled and educated workforce.
➢ Students will meet a Lineman who will demonstrate lineman skills and the safety materials they utilize.
➢ Students will understand how they can be safe around electricity.
➢ Students will understand how they can conserve energy.