



## **ELECTRI International Foundation**

### **Green Energy Challenge**

#### **2019 National Competition for NECA Student Chapters**

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## **2019 NECA Student Chapter Competition: The Green Energy Challenge**

ELECTRI International and the National Electrical Contractors Association (NECA) are pleased to announce the **11th Annual ELECTRI International/NECA Student Chapter Competition**. The Green Energy Challenge competition provides university students and faculty advisors with an engaging and fulfilling annual event that helps foster meaningful interaction between students, their community, and NECA member companies.

For the technical portion of the competition, each student team simulates all of the details of a project proposal for an organization/entity within their community. It is not a competition in which the actual construction work is performed by the winning team.

The team must create a volunteer plan of interaction with the client organization and demonstrate – in the proposal – the activity and number of hours the student team volunteered towards the mission of the organization. If the team plans to continue its volunteer service to the organization beyond submitting the Green Energy Challenge proposal (for example, to the end of the semester), that should also be noted.

### **Competition Goals**

- Engage NECA Student Chapters members in a rewarding educational and community service experience.
- Challenge Chapter teams to develop technical skills vital to careers in electrical construction and professional skills in time management and oral/written communication.
- Foster an interest among NECA Student Chapter teams in providing meaningful volunteer services to their community, specifically the facility selected for the Challenge project.
- Provide a mechanism for NECA Student Chapters to create enthusiasm at their university about chapter membership and eventual careers in the electrical construction industry.

### **Competition Format**

Using their surrounding area, teams are challenged to design an energy upgrade for a facility that provides community services to others. Examples would include a homeless shelter, food pantry, daycare center, library, house of worship, etc.

Teams are required to prepare a proposal showing how their chosen facility can decrease its energy consumption by incorporating energy saving measures and distributed energy resources. Teams are advised to emphasize detailed technical solutions for proposed systems, including lighting and integrated window treatments/controls, and the re-design of an energy efficiency program that responds to the unique needs of the building and climate.

Teams will be expected to develop a relationship with the beneficiaries of their chosen community organization through volunteer efforts prior to submitting the GEC proposal.

Each team’s written proposal will be judged by NECA contractor members and industry allies to determine the finalist teams. Finalist teams will each make a 15-minute oral presentation followed by a 10-minute question/answer session at the Annual NECA Convention to determine the overall Green Energy Challenge winner.

Every team entering the Challenge competition is required to create a 3-minute video that profiles their team’s project and volunteer experience. All videos will be shown at the Convention. The video presentation winner will be selected by a vote of contractors in attendance.

## 2019 Competition Schedule

Nov 12	Competition Rules and Regulations delivered to NECA Student Chapter Advisors
March 18	Registration deadline for NECA Student Chapter Teams (11:59 PM—each time zone)
<b>April 29</b>	<b>Submission deadline for final PDF proposals (11:59 PM – each time zone)</b>
May-July	Proposal review by the Green Energy Challenge jury
July 29	Notification of review results and selection of finalists
<b>Sept 14</b>	<b>Oral presentations at NECA Convention and Award Ceremony, Las Vegas, NV</b> Top three teams: 15-minute oral presentations + 10-minute Q/A

## 2019 ELECTRI GEC Competition Scoring

The top three teams (based on written proposal scoring) will be invited to the NECA Convention in Las Vegas to give an oral presentation on their GEC proposal. The winner of the 2019 ELECTRI GEC Competition will be the team with the highest **composite** written proposal and oral presentation score. The written proposal score and the oral presentation score will each represent 50% of the team’s final score. The three finalist team’s written proposal score will be published prior to the oral presentation segment of the competition.

**Example:**

	<u>Team A</u>	<u>Team B</u>	<u>Team C</u>
Written Proposal Score	48	47	44
Oral Presentation Score	45	47	48
<b>Final GEC Score</b>	<b>93</b>	<b>94</b>	<b>92</b>

**Team B** is the 2019 ELECTRI GEC Competition winner.

**Awards**

The three finalist teams will receive a financial award for their respective university program, a plaque, and \$2,000 in travel support from ELECTRI International to attend the NECA Convention. The award for the Best Presenter goes directly to the student winning this category.

All members of each finalist team will also receive complimentary registration to the NECA Convention. Each team's faculty advisor will receive a discounted registration.

Team Presentation

1 <sup>st</sup> place	\$4,000
2 <sup>nd</sup> place	\$3,000
3 <sup>rd</sup> place	\$2,000
Best Presenter	\$500

## 2019 ELECTRI GEC Video Competition

In lieu of the poster competition, ELECTRI will now host a video competition at the National Convention. Your GEC team is encouraged to digitally document your GEC proposal preparation, interactions with NECA contractors, and community service events. The video that you submit for the 2019 ELECTRI GEC Video Competition will be a compilation of the highlights of your team's effort and positive experiences putting together your GEC proposal. The video can be set to music and/or narrated. **The more creative the better!** Your video shall have a maximum duration of 3 minutes. All videos will be shown during the Green Energy Challenge oral competition at the NECA Convention and some of the videos will be posted to the ELECTRI website. The videos will be scored by contractors in attendance. The teams with the top three scores will receive awards.

Video Competition

1 <sup>st</sup> Place Video	\$1,000
2 <sup>nd</sup> place Video	\$ 750
3 <sup>rd</sup> Place Video	\$ 500