



2019 Camp Summary

As the demand for energy continues to change, people need to have the ability to understand and adapt. *Energizing Our World* provides students the opportunity to gain interest and knowledge about a variety of STEM topics surrounding renewable energy, which will cultivate an interest in unique energy careers, thus helping to supply the STEM Pipeline. Strong partnerships to make this event possible.

The Regional Math and Science Center welcomed 46 middle school students from surrounding schools to participate in a four-day summer camp. *Energizing Our World Camp* took place primarily in the Seymour and Esther Padnos Hall of Science. Students participated in four days of interactive sessions. The 2019 camp expanded the students' use of the Design Thinking process as well as expanded participation in a renewable energy career fair. As a culminating event, students designed a project that utilized some of the topics discussed in the camp sessions. The projects ranged in variety from self-sustaining communities to solar powered autonomous vehicles. The event was facilitated through a collaboration of the Regional Math and Science Center, Physics Department, Geology Department, Chemistry Department, the Office of Sustainable Practices, Holland Board of Public Works, the Michigan Space Grant Consortium, the National Defense Industrial Association, as well as Consumers Energy.

Students attended this event from various local school districts. The breakdown of participant demographics are in Table 1. Table 2 displays the participant gender. This year more female students were accepted than male as females are underrepresented in the STEM fields. A goal of this project is to provide underrepresented groups the opportunity to engage in hands-on STEM activities in hopes that they will pursue a career in the STEM field.



Table 1

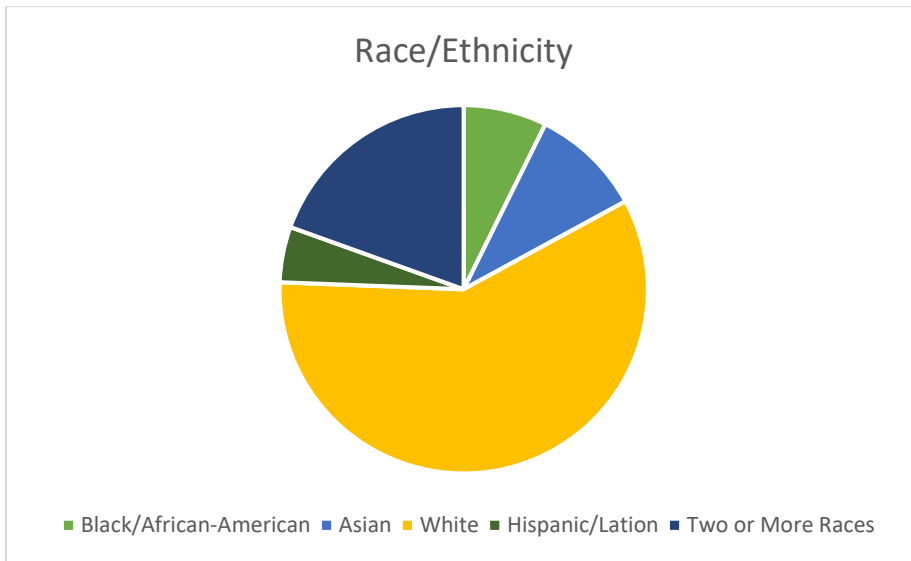


Table 2

