



2020 Michigan 4-H Renewable Energy Camp
July 6 – July 10, 2020 at Michigan State University Campus and Beyond!
Applications are due April 15, 2020

The **Advanced 4-H Renewable Energy Camp** is a five-day pre-college program held at Michigan State University (MSU) that explores ideas, research and opportunities around renewable energy. In **2020** youth will work with Extension Educator at MSU while engaging in a variety of experiences and explorations focused on **solar energy**.

Experiences may include:

- HomeWorks Tri-County Electric Cooperative
- MSU solar research sites
- Harvest Energy Solutions Solar Project
- Grand Valley Farm – solar thermal energy
- Dunklee Family Farm

Explorations:

- How solar radiation is converted to direct current and utilized by a load.
- How to minimize electricity use and understand an electric bill.
- Design and develop a solar array model that will power their home
- Design challenge – modify their home array to meet the expanded needs of a farm, small business, or electric vehicle charging station

Youth will visit labs that are conducting cutting edge renewable energy research, renewable energy companies that think outside the box, and farms that are using renewable energy to remain profitable. This interactive camp will engage youth in experiments, questions and conversation focused on the application of solar radiation into electricity. Camp will culminate with teams of youth designing solutions for incorporating solar energy into real-life applications

Cost:

4-H youth \$280 other youth \$300; the registration fee includes all meals, lodging and materials.

Who Should Attend:

Youth, 13 to 15 years of age (as of Jan. 1, 2020) with basic knowledge of electricity and who are interested in exploring the application, research and opportunities in the field of solar energy.

Where and When:

Camp begins with check-in on Monday, July 6, 2020, from noon to 1 p.m. and ends on Friday, July 10, 2020 at 12:30 p.m. Lodging is at Shaw Hall on the campus of Michigan State University. The camp will take place both on and off campus

Application and Registration Deadlines:

- Application process is online. Applications must be received by April 15, 2020.
- Youth will be notified of acceptance by April 23, 2020. The link to register will be sent to the email you provide in your application.
- On-line registration and payment are due by June 1, 2020.

Apply for Camp using this link:

<https://forms.gle/HGCqajtMnmqLsT4r6>

Cancellation Policy:

Once the selection process has been completed, the cancellation policy for all participants is as follows:

- No refunds will be given after June 3, 2020.

Selection Process:

Space is limited to up to 18 youth and 2-3 adult chaperones. Selection is based on:

- Responses to short-answer questions
- Fully completed applications
- Regional representation of the state

Questions contact Beth Wood at woodbet1@msu or 989-724-6478.