

Solar Design and Installation Hands-On Workshop

Nebraska Extension in partnership with Dixon Power Systems

Dates:

July 17-19

9:00 a.m. – 5:00 p.m.

Cost:

\$300

Registration:

Registration Link: regonline.com/solardesign2019

F. John Hay | jhay2@unl.edu | (402) 472-0408

Registration is Due by Monday July 8th

Location:

Workshop Location:

Lincoln, NE

Work Site Location:

Denton, NE

Who Should Attend:

This workshop is open to the public. People interested in hands-on experience with solar PV design and installation. Want to experience the design and installation of a residential solar PV array (see photos below). People interested in learning more about economics and modeling of residential and business applications for solar electric systems

Workshop Outline:**Wednesday**

July 17

Classroom teaching and shop time including the design aspects, tips, tricks, and techniques of solar installation.

Thursday

July 18

Will be at the worksite where the group will install the residential solar array.

Friday

July 19

Workshop Content:

- Introduction to Solar PV electronics and components
- Electrical calculations and safety
- Solar siting - where to locate the panels, sun angles
- Capabilities and limitations of solar PV
- Economics, state and federal policy, tax credits
- Building a rack, attaching inverters and other components
- Grounding and other wiring
- Wire management and final appearance
- Working with your utility and electrical inspector to complete grid interconnection



Left: Sept 2015 workshop installed a 6.24 kW Solar PV array

Right: July 2018 workshop installed a 14 kW Solar PV array

