

The SRTC Electrical Wiring program is interested in expanding their training to include solar photovoltaic training. We would like to seek a grant from Generac to install a solar power system that would ultimately offset some of the power used by SHS/SRTC. Students would complete the install under Electrical Wiring Instructor Tim Fecteau's direction and the grant, and other possible donations, would cover materials. We are working collaboratively with Jay Desmond, an Electrician and Clean Energy Specialist with Northeast Electric, who is generously donating his expertise to assist us in learning this new technology.

The plan is to install a dual function photovoltaic system on the field house at the Alumni Stadium of Sanford High School and Technical Center. This system will be an active grid tied system with a training section. The system is designed as 18 panels on the field house and 6 panels on a manually adjustable mount. This system will have a ground mount that, under a supervised trainer, they will be deactivating and practicing the process of mounting and wiring the panels. When this training mount is active, the students will be adjusting the angles and orientation of the panels and measuring and monitoring the change to the PV production. This install will be part of the curriculum for students in the 2022/2023 school year moving forward.

The hope is that this project can be completed with donations from the electrical market and industry that the students will be serving. The only cost to the district would be permitting, although we are also seeking donations to cover this expense. Pending approval from the school board, cash or in-kind donations over \$8000 will be recognized with a sign on the field house. Other recognition includes, but is not limited to, recognition in print/online from the school and approval of the use of the project in the donors' PR, regardless of donation. Donations are being requested to offset the material cost of the project and any additional donations will go directly to the electrical program at SRVC.