



## Project Highlight

# Tri-County Career Center, OH

AMERESCO 

Innovative Solar Project Delivers  
Energy Savings and Hands-on  
Learning Experience for Students

### Technology Type:

Roof-integrated Solar PV

### Facility Size

**~149,000** square feet

### Solar Capacity

**185** kW DC

### Annual Carbon Savings

**161** metric tons

### Annual Energy Demand Offset

**19%**



## Summary

Located in Appalachian “coal country,” the Tri-County Career Center (TCCC) in Nelsonville, Ohio, provides career education for high school students and adults. The project replaced an aging roof and incorporate solar generation on an existing campus building. TCCC selected Ameresco to implement a 185 kW DC solar PV project. As part of the project, students in TCCC’s Electrical Trades Program had the opportunity to assist in installing 343 solar panels.



## Solution

Looking to replace an aging roof and reduce energy costs, The Tri-County Career Center (TCCC) sought a sustainable solution. TCCC chose Ameresco to develop a roof-integrated solar system using a reflective membrane and bi-facial solar panels. This project incorporates experiential learning, where students from the Electrical Trades Program worked side-by-side with the team and helped carry materials, build racking, and install panels during the three-week installation period. Additionally, Ameresco is leveraging tax credits that would potentially cover 50% of the system's cost through Federal incentives.

- Designed and installed roof-integrated 185 kW DC solar PV system
- Supported education efforts
- Maximized tax credits by combining the roof replacement and solar projects

**Ameresco not only managed this project smoothly from start to finish, but they also made sure that the installation process would meet the school's mission to 'inspire, challenge, and prepare students to reach their career potential.' We were thrilled to see our students gain true on-the-job experience with Ameresco.**

Connie Altier  
*Superintendent, Tri-County Career Center*



## Benefits

Through the collaborative efforts of Ameresco, this project is helping create a more sustainable future, easing financial strain on the community, cutting carbon emissions, and giving students valuable hands-on experience in the field. Some additional key benefits include:

- Offsets nearly 20% of annual energy demand
- Avoids the equivalent of 161 metric tons of CO<sub>2</sub> annually
- Provided on-the-job training for students through working side by side with Ameresco to install the panels
- Reduces energy burden in a community already impacted by coal plant closures

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

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