



Ameresco. Your Gateway to Remote Power.

Green. Clean. Sustainable.



AMERESCO  **SOLAR**

an independent energy solutions company





What can Ameresco Solar do for the Railroad industry?

Who is Ameresco Solar?

At Ameresco Solar, our staff of Railroad experts understands the unique needs of this industry—from AREMA design criteria to rail equipment loads to safety and compliance. Together, our people bring to the job a combined 45 years of experience in the railroad industry and can give you knowledgeable advice on how renewable energy can fit seamlessly into your business.

We provide off-the-shelf systems for:

- Wayside Signaling
- Positive Train Control (PTC)
- Pole Line Elimination
- Broken Rail Protection

Applications include:

- Intermediate Signals • Switch Machines
- Hot Box Detectors • 2-Volt Track Circuits
- Slide Fences • Repeaters
- Dragging Equipment Detectors
- Grade Crossings • Telecom Sites

Our service offerings include:

- Engineering Design Assistance
- Site Surveys • Training
- Field Service for Troubleshooting
- Installation Assistance

We serve these Railroad segments:

- Signal
- Communication
- Track
- Rail Car
- OEMs
- Contractors
- Engineering Consulting Firms

Why solar for railroads?

Reliable systems.

Solar power provides cost effective, highly reliable support and generally comes with 20-25 year warranties. Because photovoltaic (PV) power supplies have no moving parts, there are lower maintenance costs. Ameresco Solar deals only in modules and components with the highest international standards, such as Underwriter's Laboratory (UL) and Factory Mutual Research (FMR) listings in the U.S.

Fits remote locations.

Running power lines and conventional energy sources out to the remote areas where railroads need it is inefficient and labor-intensive. Solar power resolves that issue. With Ameresco Solar's photovoltaic power supplies, you get free-standing power systems that eliminate the need for conventional lines and the high maintenance costs that come with them.



Why Ameresco Solar?

Contact info:

Transportation Products Sales Company
84 Hubble Drive Suite 500
O'Fallon, MO 63368
1.866.211.1754
info@tpscrail.com

AMERESCO Solar
2202 West Medtronic Way Suite 101
Tempe, AZ 85281
1.480.760.2500

Quick turnaround.

We stock components for immediate shipment, so we can do one of the quickest turnaround times in the business. That means that you get a turnkey solution when you need it, as well as custom solutions for more involved projects.

Who is Ameresco?

As the largest independent energy solutions company in North America, Ameresco provides all of the services required to develop and deliver energy-related initiatives. For over 30 years, we have overseen the design, development, and implementation of over \$4 billion in successful energy projects.

Our goal is to create real and sustained economic benefit for the communities, organizations, and corporations who turn to us for cost-effective energy solutions. From consultation and planning through construction and ongoing operations, we help our customers reduce operating expenses, stabilize energy costs, improve occupancy comfort levels, and increase energy reliability.

Our services include:

- Cost-effective Energy Analysis
- Cogeneration Facilities
- Energy Procurement
- Power Plant Development
- Construction
- Energy Savings Performance Contracts
- Renewable Energy Sources
- Risk Management
- Financing
- Operations

Our renewable expertise includes:

- Solar (PV and Thermal)
- Wind
- Geothermal
- Hydroelectric
- Biomass
- Biogas
- Landfill Gas



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