



Bi-State Facility is a sister-company of Twin Lake Trucking, a family-owned and operated company since 1967. Bi-State offers tractor services, DOT inspections, engine work, and more, always with the goal to be cost-effective and efficient for everyone involved. They carried this goal on to their energy requirements, installing solar to achieve decades-long efficiencies and cost-savings.

## **INSTALLATION DETAILS**

The solar array, comprised of Axitec 370W 72 Cell Monocrystalline Modules, is secured to the flat roof at a tilt with Unirac Racking. Utilizing the roof for the array allows Bi-State to save valuable real estate on the ground. The energy offset is at 111 percent, making this building net positive.



# Bi-State Facility

## PROJECT DETAILS

<b>Building Size:</b>	55,800 sq. ft.
<b>Solar Equipment:</b>	DC System Size: 67.34 kW AC System Size: 52.20 kW Modules: 182 Axitec 370W 72-Cell Monocrystalline Inverters: 1 SolarEdge 43.2kW 208 V-AC RSD Primary, 2 SolarEdge Commercial AC RSD Secondary Inverters, 1 SolarEdge 9.9kW Inverter Uni-Rac RM-10 flat roof racking
<b>Energy offset:</b>	111%
<b>Estimated annual production:</b>	90,463 kW
<b>Contractor / Installer:</b>	O'Fallon Electric
<b>Utility Company:</b>	Ameren Illinois
<b>Savings:</b>	Average Monthly Savings: \$874 Average Monthly Bill Offset: 86%

 CONSTRUCTION TYPE  
**Retrofit**

 POWER PRODUCTION  
**90,463 kW**

