

lightsource bp

Johnson Corner
Solar Project

SOLAR POWER FOR KANSAS

Sunflower Electric Power Corporation and Lightsource bp



JOHNSON CORNER SOLAR PROJECT

The largest solar farm in Kansas

Providing affordable, local, clean energy for electric cooperative members across Kansas, while mitigating costly transmission upgrades

Project Details

- Project capacity:** 20 megawatts (AC) / 27.5 megawatts (DC)
- Electricity production:** More than 55,000 megawatt-hours per year
- Owner and operator:** Lightsource bp
- Power purchaser:** Sunflower Electric Power Corporation
- Total project investment:** \$37 million by Lightsource bp and its investors
- Total size:** 144 acres
- # of solar panels:** 75,000
- Location:** 2 miles from Johnson City in Stanton County, Kansas
- Contract:** 25-year power purchase agreement (PPA)
- Homes powered:** 4,900 homes



27.5MW

POWER

Producing 55,000 megawatt-hours annually



\$37M

PRIVATE INVESTMENT

Lightsource bp and project partners have invested \$37 million in energy infrastructure for Kansas



200

JOBS CREATED

Created 200 local jobs during the 6-month construction period



39,000MT

ABATED GHG

Lowering greenhouse gas emissions (GHG) by 39,000 metric tons/year, the equivalent of taking 8,280 cars off the road



4,900

HOMES POWERED

Powering over 4,900 homes across central and western Kansas each year



COMMUNITY IMPACT

Energizing a clean and healthy community,
while helping provide affordable energy



The project provides a positive impact on keeping rates low to electric cooperative members due to value derived from energy, capacity, and transmission savings. It also provides a hedge against the market price of energy.



The Johnson Corner Solar project created over 200 construction jobs during the 6-month installation of the project.



In addition to providing clean on-peak energy, Johnson Corner Solar will reduce loading on a transmission line that is nearing capacity, saving costs by deferring or ultimately canceling the requirement for costly infrastructure upgrades.



The project delivers an affordable solution for electric co-op members who want solar energy without the financial and operational risk of owning and maintaining residential panels.



Solar farms such as these provide vital, reliable revenue for local farmers and landowners.



Partnership Facts

Alliance formed by a shared mission: providing our communities with a clean, renewable, reliable and economic source of electric power while driving local economic development.

- Lightsource bp developed, financed, constructed, owns and operates the project and sells 100% of the energy from the project to Sunflower Electric Power Corp. over a 25-year period.
- Sunflower receives and owns the energy from the project and delivers it to their rural electric cooperative Member-Owners across central and western Kansas.
- The project was collaboratively developed with the National Renewables Cooperative Organization (NRCO).

About Mid-Kansas and Sunflower

Sunflower Electric Power Corp., headquartered in Hays, Kansas, is a not-for-profit electric utility providing wholesale generation and transmission services to six member-owners serving in central and western Kansas.

About Lightsource bp

Founded in 2010, Lightsource BP is one of the largest utility-scale solar developers and operators in the world, active across 13 countries with US headquarters in San Francisco and development hubs in Denver, Philadelphia, Atlanta and Houston.

“*Harnessing the power of the sun is not a new concept. The economics are what have changed; the decreasing cost of photovoltaic technology, along with other industry dynamics, makes it the right time to bring solar energy into our generation mix.*”

- Steve Epperson, Mid-Kansas Chairman of the Board