

Solar

Lightsource bp, our business for developing and operating solar assets, fully owns eight US projects, holds stakes in 23 more through a joint venture, and operates two that are owned by a third party.



Integrated energy in action

Lightsource bp is a global leader in developing and operating utility-scale solar. We intend to continue growing Lightsource bp and creating additional value by applying our complementary capabilities and strengths – including in financing and trading – to the business.

Delivering solar success

Lightsource bp has developed more than 4.1 gigawatts of US solar projects – enough to power more than 713,000 homes each year.

The Arche Solar project in Ohio began commercial operation in 2024, and Peacock Solar in Texas came online that same year. Both projects are clear examples of how we can provide lower carbon energy to industrial customers.

In Indiana, the Bellflower Solar project, owned by our joint venture, is among more than 15 US sites Lightsource bp developed where sheep grazing takes place between solar panels. This makes the business a pioneer in the field of agrivoltaics – the dual use of land for agriculture and solar energy production.



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US solar projects in
AL, AR, CA, CO, IN, KS,
LA, NM, OH, PA, TX

713,000

homes: renewable electricity
capacity of solar projects in
operation or construction