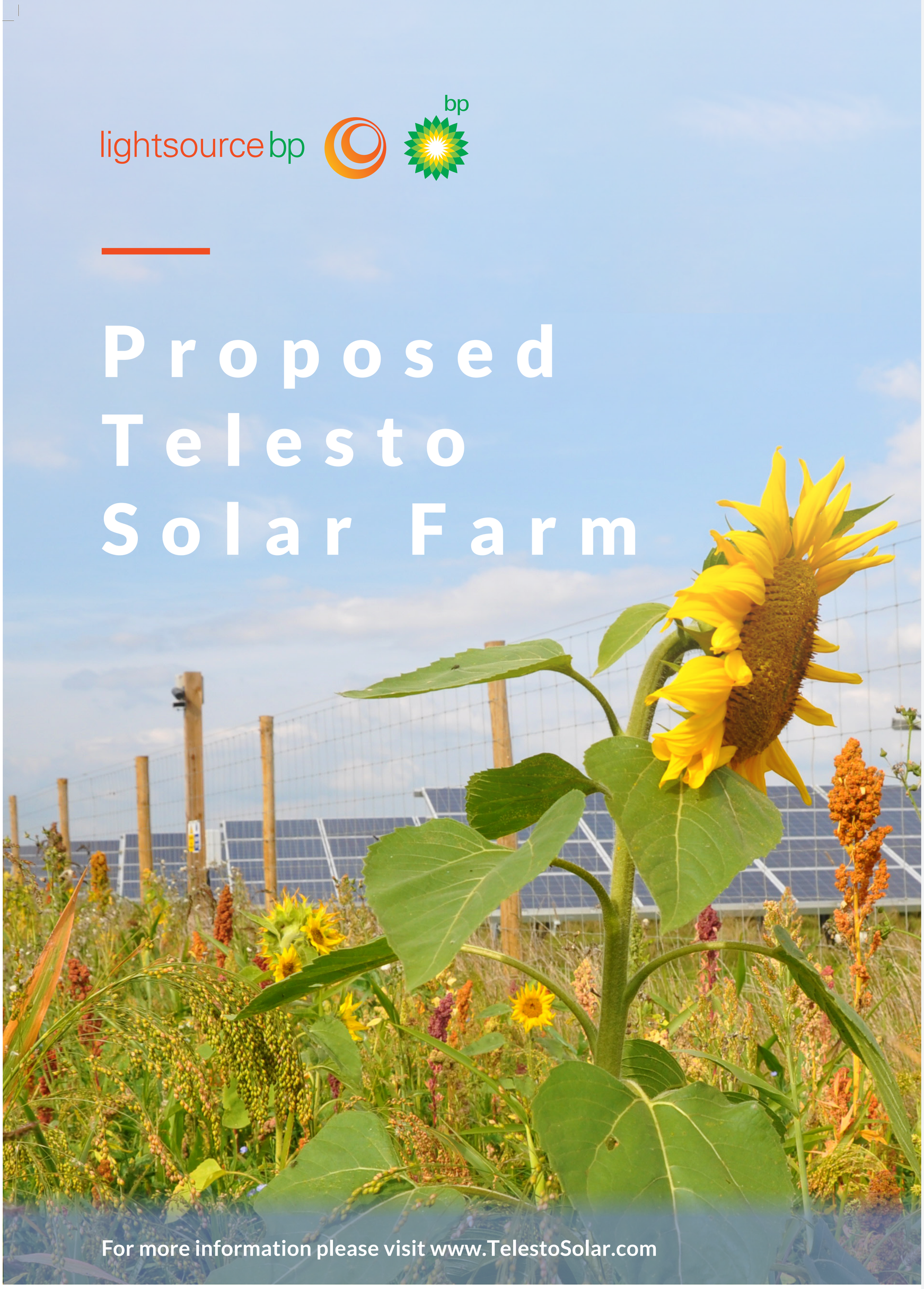
lightsource bp

bp

Proposed Telesto Solar Farm



Lightsource bp is in the process of developing the Telesto Solar farm in Kentucky. We are proposing to build and operate a privately funded $140 million solar farm on ~570 acres of fenced land in the West Urban Area of Hardin County.

The project would do more than generate affordable, clean energy and reduce harmful greenhouse gas emissions. Construction would provide approximately 150-200 construction jobs for a 10 to 12-month period, with the majority local workers.

It would also provide a more than $7 million dollar boost to government agencies in revenue over the next 35 years without a tax increase on its citizens, which will have a large and positive economic impact.

In developing the project, we are adhering to the ordinance and other development guidelines adopted by Hardin County that provides local regulatory control over solar farms. Key elements of the ordinance and additional guidelines, which complement our best practices for solar farm development, include:

- adding buffer zones of greenspace with trees and shrubs between the solar panels and public view,
- addressing maintenance and upkeep of the facility, making sure appropriate drainage and traffic mitigation are provided, and
- stipulating how the site would be decommissioned at its end of life.

A long-term land maintenance plan for the site will be shared with the community to guarantee the highest productivity from the farm, and to ensure it blends with the aesthetic character of the area.

Note: Numbers provided may be adjusted as system design is inalized

Clean electricity

locally generated renewable power

127MWDC

contributing to Kentucky's energy security

146,622MT

of CO2 reduced each year

New revenue

to government agencies without a tax increase on its citizens, or penalty to school state funding

$430K

first year

$7M

over project life

Jobs

created by the project for the community

150-200

direct jobs during peak of construction, with the majority local labor

Local investment

new energy infrastructure privately funded

$140M

private capital will fully fund this project

$1.4M

annual operations and maintenance budget primarily spent in the region

lightsource bp

Solar energy: creating a growing industry with good-paying jobs to help power America

According to the National Solar Jobs Census 2020[1], the U.S. solar industry employed **231,474 workers in 2020**.

The report finds that to meet our country's clean energy goals, the solar workforce will need to grow to **900,000 American workers by 2035**.

The report shows that the U.S. solar industry has a unionization rate of 10.3%, which is comparable to the economy-wide rate.

The solar industry also continues to outpace the rest of the economy in its employment of veterans, which represent 8.7% of the solar workforce, compared to 5.7% in the overall economy.

At Telesto Solar, we're a part of the growing solar industry helping power Kentucky

150 - 200

direct jobs during 10-12 months construction

Majority

of in-state labor

$1.4M

annual operations impact across Kentucky

[1]The National Solar Jobs Census 2020 released by the Solar Energy Industries Association (SEIA), The Solar Foundation, the Interstate Renewable Energy Council (IREC), and BW Research

lightsource bp

Long term land maintenance plans

Land maintenance plans

In developing the project, we are adhering to the ordinance and other development guidelines adopted by Hardin County that provide local regulatory control over solar farms. A key element of the ordinance and additional guidlines, which complements our best practices for solar farm development, includes addressing maintenance and upkeep of the facility.

A long-term land maintenance plan for the Telesto Solar farm will be shared with the community to guarantee the highest productivity from the farm, and to ensure it blends with the aesthetic character of the area.

Environmental management plans

Once a solar farm is built, it becomes a nature haven that's undisturbed for many years. We have seen plant and wildlife habitats increase at our solar farms, and our goal is to create plans that will increase local biodiversity.

Local Benefits

Energy infrastructure for Kentucky

Lightsource bp and project partners will invest an estimated $140 million of private capital into building this new clean energy infrastructure in Kentucky, helping diversify the state's energy portfolio and increase security with locally generated power.

Jobs

The Telesto solar project will create approximately 150-200 jobs during the 10-12 month construction period, hiring local contractors and recruiting from the local labor pool.

New annual revenue to local agencies

More than $7 million dollars in new revenue will flow to government agencies over the next 35 years without a tax increase on its citizens, or penalty to state funding for its schools.

Educational opportunities

The solar farm will provide educational opportunities for local schools and universities.

Clean, local energy

The Telesto solar farm will abate 146,622 metric tons of CO_2 emissions, enhancing air quality by helping to mitigate the health effects of harmful air pollutants.

Philanthropic commitments

Lightsource bp is committed to supporting philanthropic activities and charitable donations to local organizations.

Enhanced biodiversity

We're committed to minimizing the effect of the solar farm to the ecosystem as well as improving soil health, fostering biodiversity and pollinators, and creating wildlife habitats wherever possible.

Preliminary layout, Telesto Solar Farm

Seeding

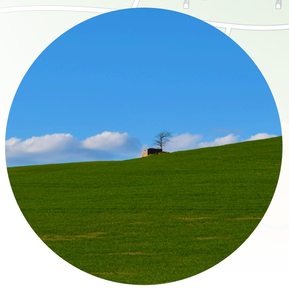
Our solar farms can be seeded with a site-specific mix designed to feed and support local wildlife and boost biodiversity.

Empowered local participation

It's important to us that the local community is informed of our plans. We offer transparency and the ability for public input.

Preserving existing vegetation

Part of our planting plan involves an assessment of the vegetation already in place on each site. Where possible, we seek to preserve as much of the existing vegetation as we can.



End of life decommissioning

At the end of the project the installation will be dismantled, removed and recycled without harming the land – we make sure that the land is returned to its original state, or better.

Setbacks

Buffer zones will include a setback of not less than 100 feet from any adjacent public roadway, along with a setback of at least 500 feet from any residence, 50 feet from any jurisdictional waters, and at least 100 feet from all properties around the project perimeter. It also avoids all floodplain.

Green open spaces

The installation will be designed to leave wide spaces around the site boundaries and between the row of panels to avoid shading the panels, which will leave the majority of the fenced solar array area as undisturbed or revegetated land.

Long-term operation & maintenance

During a solar farm's operational life, our top priorities are ensuring all equipment is functioning properly and safely, as well as carefully maintaining the land. Our solar sites are regularly mowed and maintained by ground maintenance experts. We undertake regular vegetation management and upkeep, including trimming trees and hedges, replanting any damaged plants, weed control and more.

St John Road
West Urban Area
City of Elizabethtown
West Urban Area
West Urban Area
Bethlehem Academy Road
Cecilia Rural Village
U.S. Highway 62

GET THE "SCOOP"

Stop by for Dewster's ice cream and information about the proposed solar project by

lightsource bp

bp

June 16 | 7 - 8:30 p.m.

Tent will be set up at the end of Canton Road

Lightsource bp team members will be on hand to answer questions for Ashton Park residents. Drop-in format, no formal schedule.

SCAN ME

GET THE "SCOOP"

Stop by for Dewster's ice cream and information about the proposed solar project by

lightsource bp

bp

June 14 | 7 - 8:30 p.m.

Tent will be set up at 11 Damson Trail

Lightsource bp team members will be on hand to answer questions for The Orchard residents. Drop-in format, no formal schedule.

SCAN ME

lightsource bp

INFORMATION SHEET

Proposed Telesto Solar Farm

Lightsource bp is developing the 110-megawatt ac Telesto Solar project on 650 acres of land in the West Urban Area in Hardin County, Kentucky. If approved, the project will generate new tax revenue for the local community, provide long-term stable income for landowners, create new jobs during construction and operations, and will provide renewable energy to the electrical grid.

Lightsource bp has an approach to project development known as Responsible Solar, which ensures that the project is a net positive for the community, from installation to decommissioning.

- Telesto Solar will include minimum 100-foot road setbacks and 500-foot minimum home setbacks.
- Over 1,450 evergreen trees and other landscaping will be planted for screening and to provide habitat for local wildlife.
- An agricultural style fence with wooden posts, consistent with the local aesthetic of the area, will be installed around the project, as opposed to industry-standard chain link fencing.

CLEAN ELECTRICITY

locally generated renewable energy

110MWAC
contributing to Kentucky's energy security

146,662 MT
of CO_2 reduced each year

NEW TAX REVENUE

from project to benefit local schools & other public services

~$430k
first year

$6.8M
over life of the project

JOBS

created by the project for the community, with a majority of in-state labor

175
direct jobs during construction

LOCAL WAGES

to Kentucky workers

$50M
in wages for direct and indirect jobs during construction

$460,000/yr.
in wages during operational phase

Questions?

Visit our website at **www.TelestoSolar.com** or email us at **Telestosolar@lightsourcebp.com**

PROJECT DETAILS

Economic benefits

- Throughout the life of the project, $6.8 million in new tax revenue is expected to be generated, which will go toward local school systems, emergency services departments, soil conservation and many other services – without an increase in taxes to local residents.
- 175 jobs will be created during peak construction of the project, the majority of which will be filled by members of the local labor force.
- About $50 million in wages resulting from direct and indirect construction jobs will go to Kentucky workers during the construction phase, which is expected to drive over $10 million in increased economic activity.

Environmental due diligence and stewardship

- Over 1,450 additional trees will be planted to screen the project from neighbors' views and provide additional habitat.
- A long-term land management plan will establish habitats to increase biodiversity through creation of pollinator habitat and natural undergrowth below the panels which helps to manage water runoff and drainage.
- Sheep grazing may be introduced to maintain the land within the project site and to provide continued income opportunities for local farmers.
- Prior to construction, the site will be seeded to help stabilize the soil, reduce runoff, provide wildlife-benefitting pollinators and nutritious forage material.

Aesthetics

- Minimum 100-foot road setbacks and 500-foot minimum home setbacks will be adhered to.
- Evergreen trees and other landscaping will be planted for screening and to provide habitat for local wildlife.
- An agricultural style fence with wooden posts, consistent with the local aesthetic of the area, will be installed around the project, as opposed to industry-standard chain link fencing.

Long-term management

- $1.6 million per year economic impact during operations maintaining the facility and the land, and induced spending across Kentucky.
- Land Management and Biodiversity Plans are created for all projects in our portfolio to document the results of site-specific environmental studies, best management practices, regulatory compliance, and biodiversity initiatives.

Decommissioning and recycling

- A full Decommissioning Plan, complete with a financial assurance, will be submitted to Hardin County. The plan will ensure that the project will be dismantled, removed and recycled at the end of its life and that the land can be used for agricultural activities or another use as deemed appropriate by the next generation.
- Lightsource bp will recycle all solar panels used at the project - damaged or non-performing panels during construction and operations, and at end of life/decommissioning.

A flock of sheep grazes at a Lightsource bp solar farm in Pennsylvania

We have seen plant and bird habitats increase at our solar farms

Solar panels are mounted on posts, enabling growth of vegetation underneath that allows for natural drainage and the interception of storm water

Rich ecosystem under and around solar panels shown at Lightsource bp solar farm in Texas

As they follow the sun during the day, solar panels reach a maximum height similar to a field of corn