

FACTS ABOUT SOLAR

THE BENEFITS OF SOLAR POWER



ENVIRONMENTAL

Solar power is the cleanest energy source. There are no harmful emissions, toxic byproducts, or noise associated with the operation of a solar farm.



HEALTH

Solar power results in fewer cases of respiratory and cardiovascular problems as compared to other energy sources that release toxic emissions.



ECONOMIC

Investments in solar benefit customers by ensuring steady energy prices and injecting tax revenue into local communities.



LAND

There are no long-term effects on land used for solar, which can be returned to its original use after decommissioning.



PANEL SAFETY

A photovoltaic (PV) panel has a lifecycle of 25-30 years and 95% of the solar panel can be recycled at the end of its lifecycle.



LANDOWNERS

On average, landowners earn ten times more revenue from leasing their land for solar than they would for farming.

THE IMPACTS OF A 20MW SOLAR FARM



16,100

tons of CO₂ displaced



2,400

homes powered



200

workers hired

DID YOU KNOW?

30% OF OUR FOOD RELIES ON INSECTS FOR POLLINATION



PLANTING NATIVE GRASSES ON SOLAR FARMS CREATES NATURAL HABITATS FOR POLLINATORS.

SOLAR DOES NOT DEplete OUR NATURAL RESOURCES



WATER USED BY POWER PLANTS FOR THERMOELECTRIC ENERGY PRODUCTION IS THE LARGEST CAUSE OF FRESHWATER DEPLETION IN THE UNITED STATES¹.

SHEEP CAN REDUCE THE NEED FOR MECHANICAL MOWING AND HERBICIDES



SHEEP CAN GRAZE UNDER PANELS MORE EASILY AND EFFECTIVELY THAN MOWING.

Sources
NC Clean Energy Technology Center: Health and Safety Impacts of Solar Photovoltaics
NC Sustainable Energy Association: North Carolina Solar and Agriculture
1. North Carolina Solar and Agriculture, p.5

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