



BERKS COUNTY
COMMUNITY
FOUNDATION

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NEWS RELEASE

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SOLARFLUX FOCUS PARABOLIC DISH CONCENTRATOR DEMONSTRATES 72% SOLAR-TO-THERMAL EFFICIENCY

READING, PA (August 9, 2021) – Solarflux Energy Technologies, Inc. of Bern Township near Reading has announced the results of an independent report reviewing performance test results for the Solarflux FOCUS parabolic dish concentrator, demonstrating solar-to-thermal conversion efficiency of 72%. That is, the tests show that 72% of the solar energy arriving at the FOCUS is converted into usable heat.

This solar-to-thermal conversion efficiency is comparable to best-in-class solar-to-thermal conversion performance from alternative concentrating solar power (CSP) systems such as parabolic trough. However, unlike alternative CSP technologies, the FOCUS is a full two-axis tracking device. As such, it maintains perfect alignment with the sun from sunrise to sunset at all latitudes, thereby delivering maximum conversion efficiency throughout the day, and year-round.

As a result, the annual energy yield from the FOCUS is significantly above that of alternative solar energy systems, outperforming parabolic trough by up to 50% or more, depending on the system's peak capacity and site location.

Prepared by Lehigh University's Energy Research Center, the report independently reviews testing of solar-to-thermal conversion efficiency in close accordance with the methods outlined in the ASTM 905-87 industry standard relating to solar concentrators.

“This report provides independent confirmation of what we have long known – that the low-cost FOCUS solar parabolic dish concentrator is the highest performing solar technology out there.” – Naoise Irwin, Solarflux CEO

The FOCUS offers a low-cost, low-maintenance, zero-emission, modular thermal energy solution for a variety of use cases, including industrial process heat, water desalination and purification, space heating and cooling, hot water, and remote power generation.

Solarflux was founded in 2019 by a team dedicated to developing innovative technologies to help sustainably meet the growing energy demands of modern human civilization. The Solarflux team believes that parabolic dish concentrators offer unique potential to bring clean, inexpensive energy to a wide range of underserved market segments, particularly in regions of the world with an abundance of direct sunlight. The [Met-Ed Penelec Sustainable Energy Fund](#) of Berks County Community Foundation [awarded a grant of \\$340,000](#) for the development of the dish. Other supporters of the project include Ben Franklin Technology Partners of Northeastern Pennsylvania and private investors.

For more information, please email contact@solarflux.co or visit www.solarflux.co.



Met-Ed / Penelec Sustainable Energy Fund

The Metropolitan Edison Company Sustainable Energy Fund of Berks County Community Foundation and the Pennsylvania Electric Company Sustainable Energy Fund of the Community Foundation for the Alleghenies distribute money in the form of grants and investments for a variety of projects within the territories originally served by the two electric companies. The two funds share an advisory committee and are known in the singular as the Met-Ed / Penelec Sustainable Energy Fund.

More information, as well as maps and zip codes of areas serviced by Met-Ed and Penelec, is available at www.bccf.org/sustainable-energy-fund/.

The mission of the fund is to support:

- the development and use of renewable energy and clean energy technologies.
- energy conservation and efficiency.
- sustainable energy businesses.

- projects that improve the environment in the companies' service territories, as defined by their relationship to the companies' transmission and distribution facilities.

The Metropolitan Edison Company/Pennsylvania Electric Company
SUSTAINABLE ENERGY FUND 

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Berks County Community Foundation is a nonprofit corporation that serves as a civic leader for our region by developing, managing and distributing charitable funds aimed at improving the quality of life in Berks County. More information is available at www.bccf.org.