

What is shines & how does it work?

SHINES is part of the Energy Department's Grid Modernization Initiative, which aims to accelerate the strategic modernization of the U.S. electric power grid and solve the challenges of integrating conventional and renewable sources, while ensuring a resilient energy system combining energy storage with central and distributed generation.

What is the Austin shines project?

Project Description: The goal of the Austin SHINES project is to demonstrate a solution adaptable to any region and market structure that offers a credible pathway to a LCOE of 14¢/kWh for solar energy when augmented by storage and other distributed energy resource management options.

How will storage solutions impact solar grid integration?

The widespread adoption of storage solutions will be a transformative influence on the current state-of-the-art of solar grid integration and will significantly contribute to an economically viable pathway toward energy efficient and sustainable integration of solar generation at much higher penetration levels than currently possible today.

What are the shines goals?

Achieving the SHINES goals is a critical step in the pathway towards enabling hundreds of gigawatts of solar to be integrated reliably and cost-effectively onto the electric grid.

Administered by the U.S. Department of Energy (DOE), the Sustainable and Holistic Integration of Energy Storage and Solar Photovoltaic (SHINES) Program develops and demonstrates ...

The Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) and Solar Energy Industries Association (SEIA) launched a joint initiative aimed at boosting ...

The Sustainable and Holistic Integration of Energy Storage and Solar Photovoltaic project, or SHINES, is developing a robust electric power delivery network that combines the benefits ...

The SunDial Project is a 3-year, \$7.5M project funded by the Department of Energy's Solar Energy Technologies Office's (SETO) Sustainable and Holistic Integration of Energy Storage ...

SHINES & SunDial The U.S. Department of Energy has selected a Fraunhofer USA-led team to carry out a \$3.5M, three-year research project to design, develop, and demonstrate an ...

Fraunhofer CSE leads one of the U.S. Department of Energy's SHINES Program awards for a three-year \$3.5M research project that addresses these challenges. The project team is working together to ...

Sustainable and Holistic Integration of Energy Storage and Solar PV (SHINES): The SunShot Initiative (SunShot) is a national collaborative effort to make solar energy cost-competitive with other forms of ...

The Sustainable and Holistic Integration of Energy Storage and Solar PV (SHINES) solution as envisioned by SunShot will have the following features: Be grid-connected Consist of the ...

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