



District rooftop photovoltaic support project

Does solar rooftop photovoltaic deployment inequity exist in non-residential buildings?

Through assessment of satellite imagery data, research offers a glimpse into solar rooftop photovoltaics deployment inequity in non-residential buildings in the US, revealing challenges and opportunities ahead for a just energy transition.

Can solar rooftop PV support DACS?

Non-residential buildings considered include buildings with commercial, industrial, educational, and government use, as well as community solar in multifamily buildings. These are explored to assess how solar rooftop PV can support DACs by meeting shares of their electricity needs or providing resilience support.

What is a rooftop solar energy system?

Rooftop solar energy systems produce power locally, keeping power production and the economic opportunities that solar energy generates within the community. SETO funds research that helps maximize the value of rooftop solar systems for their owners.

Are rooftop solar photovoltaics equitable?

Provided by the Springer Nature SharedIt content-sharing initiative Ensuring rooftop solar photovoltaics are deployed equitably requires understanding who installs, where, and when.

What is distributed solar photovoltaics (PV)?

Distributed solar photovoltaics (PV) are systems that typically are sited on rooftops, but have less than 1 megawatt of capacity. This solution replaces conventional electricity-generating technologies such as coal, oil, and natural gas power plants. In a PV system, a solar cell turns energy from the sun into electricity.

What is solar rooftop potential?

Solar rooftop potential for the entire country is the number of rooftops that would be suitable for solar power, depending on size, shading, direction, and location. Rooftop potential is not equivalent to the economic or market potential for rooftop solar--it doesn't consider availability or cost.



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