

Does the local government grant PV subsidies to poor households?

The local government encourages poor households to obtain labor income from PV revenue through labor work. Therefore, we believe that the changes in household energy use behavior do not have a reverse causal effect on whether the government grants PV subsidies to poor households.

Can solar photovoltaic projects help alleviate poverty in rural areas?

Nature Communications 11, Article number: 1969 (2020) Cite this article Since 2013, China has implemented a large-scale initiative to systematically deploy solar photovoltaic (PV) projects to alleviate poverty in rural areas.

Are low-quality solar panels a problem for rural residents?

However, rural residents are at a disadvantage in these communications. Their education levels tend to be lower and they have less access to information. Therefore, when solar installation companies use low-quality PV panels, households often cannot identify the problem. The low-quality panels reduce the power generation and income.

Does community management influence household adoption of rooftop solar photovoltaics in rural China?

This paper examines inequality in household adoption of rooftop solar photovoltaics in rural China through a qualitative study of three villages. The Chinese government promotes distributed solar to drive low-carbon development. However, community management and China's institutional system influence unequal access.

Do local authorities play a role in household rooftop photovoltaic adoption?

The research revealed salient geographic disparities in household rooftop photovoltaic adoption, closely associated with the role of local authorities (particularly village committees) in new energy promotion schemes.

Does PV revenue affect income growth in rural households?

Given that the amount of PV revenue distributed to rural households can influence income growth, we use the logarithm of the accumulated PPAP funds received by rural households for the year as an additional policy variable for PPAP. The results are presented in Table 5.

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