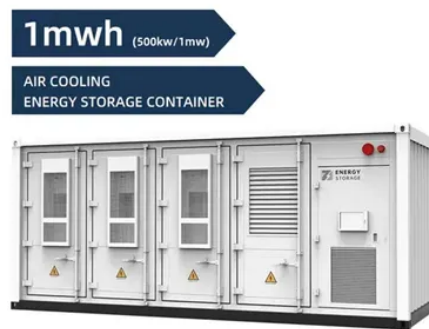


Solar Photovoltaic Poverty Alleviation

Contact Information



Overview

PV deployment for poverty alleviation is intended to reduce the burden of energy expenditures by offsetting household energy expenditures in rural communities. The pilot counties selected for PV poverty. We construct a panel dataset of yearly observations from 2013 to 2016 at the individual. Among the 211 PV counties, 175 are national poverty-stricken counties. Supplementary Table 2 in the Supplementary Information shows that the average per capita. First, the correlation analysis of variables was carried out and the results are in Supplementary Table 3 in the Supplementary Information. The correlation coefficient between. A requirement for unbiased DID estimation result is to satisfy the parallel trend assumption. This requirement means the treatment and control groups should have the same trend. b. First, we use PSM to obtain a comparable control group, and the various county level characteristics are used as the matching criteria. Counties that have not implemented the.



Article Content

Can Solar Photovoltaic Poverty Alleviation Policies Reduce ...

As a momentous energy policy innovation endowed with the highest level of political support in China, the solar PV poverty alleviation project (PPAP) combines the development of clean energy with ...

A scientometric review of global research on solar photovoltaics ...

Solar energy holds significant potential for alleviating poverty, tackling climate change and providing affordable clean energy, contributing to multiple United Nations Sustainable Development Goals. However, limited research has systematically reviewed the progress in the field of solar photovoltaics and poverty (PV-PO). To address this gap, this paper aims to reveal ...

Impact of photovoltaic power generation on poverty alleviation in ...

The photovoltaic poverty alleviation project, part of the “Ten Major Precise Poverty Alleviation Projects” implemented by the Poverty Alleviation Office of the ... Contact; Editorial Board; Editorial Advisory Board; Editorial Policies; Journal Development Team; Skip Nav Destination. Close navigation menu. ... Benefits of solar photovoltaic ...

Solar Energy Is Key in the Fight to End Extreme Poverty

The use of solar energy has proven to be effective as a method of alleviating poverty in the past. In China, solar energy has provided power to more than 800,000 families living in poverty, and in one county, solar installations provided families with an additional annual income of over \$400, according to Nature.

Chinese photovoltaic poverty alleviation: Geographic distribution ...

Of ten poverty alleviation measures, photovoltaic poverty alleviation is the one with main objectives to make use of regional solar energy resource endowments to increase income in residents (Yang and Zhao, 2018). From the results in this work, it is obvious that the GDP per capita and household savings per capita in most provinces are lower than in the ...

Social impact assessment of photovoltaic poverty alleviation ...

As one of the “Top Ten Precision Poverty Alleviation Projects” identified by the State Council's Poverty Alleviation Office in 2015, photovoltaic poverty alleviation targeted poor ...

Process analysis of poverty eradication in China: A case study on ...

Since the establishment of the People's Republic of China, poverty alleviation has been one of the priorities on the government's agenda. On February 25, 2021, President Xi Jinping solemnly declared at the National Conference of Poverty Alleviation Summary and Commendation held in Beijing that "Victory in the battle against poverty is complete, and China ...

Governance Challenges and Solutions of the Solar Energy for Poverty ...

This paper discusses one of China's targeted poverty alleviation programs, namely the Solar Energy for Poverty Alleviation Program (SEPAP). SEPAP is an important and innovative policy that enables ...

Do the photovoltaic poverty alleviation programs alleviate local ...

As an innovation of the Chinese government energy policy, solar photovoltaic poverty alleviation projects (PPAPs) play a positive role in solving energy shortages and poverty reduction. However, there is limited research on energy poverty in China's PPAP areas. This study has proposed a three-dimensional theoretical model for energy poverty, evaluated the ...

Policy evaluation and optimization for photovoltaic poverty alleviation ...

To synergize climate mitigation with poverty alleviation, China has implemented photovoltaic poverty alleviation (PVPA) projects since 2014, with Anhui Province being among the initial pilot regions.

Impact pathways of photovoltaic poverty alleviation in China: ...

Photovoltaic poverty alleviation (PVPA), proposed by the Chinese government, is an innovative policy combining poverty alleviation with renewable energy, which aims to achieve poverty alleviation and low-carbon development through PV power generation by creating income for poor households and communities (Lo and Broto, 2019).The initial reason for developing ...

Solar photovoltaic interventions have reduced rural poverty in ...

In 2016, the National Development and Reform Commission, the State Council Leading Group for Poverty Alleviation and Development, the National Energy Administration, the China Development Bank, and the Agricultural Development Bank of China jointly issued the Opinions of Photovoltaic Poverty Alleviation Work File, stipulated that by 2020, specifically in ...

Photovoltaic Solar Photovoltaic Application in Jilin: Subsidies for ...

Three is to encourage multi-channel development jobs on the spot or in the vicinity. Strengthen supervise, strengthen organization and leadership, to carry out the principal responsibility, make work plan, coordinate technical force, guide and help funding completes the pv power plant operations management for poverty alleviation, timely solve the problem of fault, to ensure that ...

Cognition process and influencing factors of rural residents" ...

Photovoltaic poverty alleviation projects (PV-PAPs) are not only an exploration by the Chinese government to achieve the United Nations Sustainable Development Goals (SDGs), but also one of the industrial poverty alleviation (PA) measures in the targeted poverty alleviation strategy (TPA), which brings revenues to the rural poor through systematic ...

Chinese photovoltaic poverty alleviation: Geographic distribution ...

As a part of an environmentally concerned development strategy, the photovoltaic poverty alleviation in China is adopted to lift households above the rural extreme poverty line by the end of 2020. With the detailed project-level data in 534 counties, 22 provinces, this systematic assessment on Chinese photovoltaic power projects identifies geographic distribution, ...

The effect of large scale photovoltaic-based projects on poverty ...

Poverty alleviation projects related to solar PV have long been regarded as a model for combining clean energy production with poverty reduction. Therefore, we introduce ...

Solar photovoltaic interventions have reduced rural poverty in China

Solar photovoltaic interventions have reduced rural poverty in China Huiming Zhang 1, Kai Wu 2, Yueming Qiu 3, ... PV poverty alleviation effect is stronger in poorer regions, particularly in ...

Evaluation of Environmental and Economic Integrated Benefits of ...

A review of photovoltaic poverty alleviation projects in China: Current status, challenge and policy recommendations. Renew. Sustain. Energy Rev. 2018, 94, 214–223. [Google Scholar] Geall, S.; Shen, W. Gongbuzeren Solar energy for poverty alleviation in China: State ambitions, bureaucratic interests, and local realities.

A Total of 572 Mw Shaanxi Public Photovoltaic Poverty Alleviation ...

Solar photovoltaic net news: according to the poverty relief office of the State Council, the National Energy Administration on the relevant information submitted to the stock of photovoltaic poverty alleviation project notice (The set up department hair no. 35) Requirements, in various cities, county, City, area) However, on the basis of statistics, province poverty relief office ...

What is the anti-poverty effect of solar PV poverty alleviation ...

Therefore, it is necessary to assess the anti-poverty effects of the existing solar PV projects used for poverty alleviation to provide a reference for the development of more ...

Social impact assessment of photovoltaic poverty alleviation program in ...

Currently, there is no commonly accepted methodology for social impact assessment (Khan, 2020; Terrapon-Pfaff et al., 2017) 2013, UNEP/SETAC (The United Nations Environment Program/Society of Environmental Toxicology and Chemistry) issued a note on S-LCA (social lifecycle assessment) indicators, which are considered to be an important ...

Social benefit evaluation of China's photovoltaic poverty alleviation ...

As a development strategy related to the environment and economy, photovoltaic poverty alleviation (PVPA) program was chosen by China . The program will help give full play to the advantages of rich solar resources in poor areas, and promote the increase of photovoltaic scale while promoting regional economic development, so as to achieve a win-win situation for ...

A look at China's PV poverty alleviation policy

The Chinese government aims to install more than 10 GW of PV capacity under its solar energy for poverty alleviation program (SEPAP), especially in the poorest parts of eastern China, to...

What is the anti-poverty effect of solar PV poverty alleviation ...

China's photovoltaic poverty alleviation projects (PPAPs) aim to help alleviate poverty by using the new energy power generation. In recent years, the PPAPs have flourished with the strong support of the Chinese government, becoming an integral strategy for the support of rural industries.

Solar power dawns light of prosperity in China's impoverished areas

Solar photovoltaic (PV) power project, one of the major targeted poverty alleviation programs in China, has contributed greatly to the country's poverty reduction efforts, ...

Photovoltaics can reduce economic poverty by 4.5

Researchers assessed the effect of solar energy projects on poverty in China and determined that PV systems can play a role in reducing multiple dimensions of poverty while also...

How do photovoltaic poverty alleviation projects relieve household ...

Energy poverty is a serious problem worldwide and has attracted the attention of policymakers. As a type of social welfare project, photovoltaic poverty alleviation projects (PPAPs) are expected to achieve high-quality poverty alleviation and an energy transformation in China. By the end of 2019, in China, the task of PPAP construction had been fully completed, with 26.36 ...

Solar photovoltaic interventions have reduced rural poverty in

The PV poverty alleviation effect is stronger in poorer regions, particularly in Eastern China. Our results are robust to alternative specifications and variable definitions. We ...

Impact pathways of photovoltaic poverty alleviation in China: ...

Photovoltaic poverty alleviation (PVPA), an innovative and unique policy in China aiming at green development and poverty alleviation, has attracted increasing attention from both the public and government is therefore useful to provide a comprehensive understanding of the impacts of PVPA and its policy implication. By means of a systematic review, this study ...

Has solar PV achieved the national poverty alleviation goals?

As a momentous energy policy innovation endowed with the highest level of political support in China, the solar PV poverty alleviation project (PPAP) combines the development of clean energy with ...

Evaluation of energy and environmental performances of Solar ...

Solar Photovoltaic-based Targeted Poverty Alleviation (PV-PA) projects aim to broaden the income channels and improve the electricity supply of the rural poor. By selling the electricity generated by solar PV systems, each household that implements PV-PA project earns >3000 yuan per year after the removal of loads and taxes (Wu, Ke, Wang, Li, & Lin, 2019 ; ...

Can authoritarian regimes achieve just energy transition?

Evidence from China's solar photovoltaic poverty alleviation initiative. Kevin Lo. Research output: Contribution to journal › Journal article › peer-review. 43 Citations (Scopus) Overview; Fingerprint; Abstract. Energy justice is an important concept drawing attention to fairness and equity in the transition to clean energy. Recently, a ...

Impact of photovoltaic power generation on poverty alleviation in ...

The photovoltaic poverty alleviation project, part of the “Ten Major Precise Poverty Alleviation Projects” implemented by the Poverty Alleviation Office of the State ...

A review on China's current situation and prospects of poverty ...

China is one of the countries with abundant solar energy resources and also has rapid development in the photovoltaic (PV) industry. Since 2014, the Chinese government has ...

What is the anti-poverty effect of solar PV poverty alleviation ...

Downloadable (with restrictions)! Since 2014, China's photovoltaic poverty alleviation projects (PPAPs) have developed rapidly with the strong support of the Chinese government. Nevertheless, empirical evidence on the contribution of PPAPs in improving the livelihoods of poor rural families is lacking. In order to overcome this knowledge gap, this study adopted a quasi ...

Has solar PV achieved the national poverty alleviation goals? Empirical ...

The six poverty alleviation models have made positive contributions to poverty alleviation in 52 sample villages, and their contribution ranks from high to low as follows: The Whole Village Approach (0.7247) > Social Security Poverty Alleviation (0.6754) > Other Industry-based Poverty Alleviation (0.6536) > Micro-financing or Interest Subsidized Loans (0.6393) > ...

Solar PV and poverty alleviation in China: Rhetoric and reality

The solar energy for poverty alleviation programme (SEPAP) initiative aims to add over 10 GW capacity and benefit more than 2 million households from around 35,000 villages across the country by 2020. This working paper traces the emergence and implementation of the initiative through discourse analysis of policy documents.

A review on China's current situation and prospects of poverty ...

China is one of the countries with abundant solar energy resources and also has rapid development in the photovoltaic (PV) industry. Since 2014, the Chinese government has begun to implement the PV power generation for poverty alleviation, which not only was in line with the concept of green development but also accelerated the pace of poverty alleviation in ...

Solar photovoltaic interventions have reduced rural poverty in

Since 2013, China has implemented a large-scale initiative to systematically deploy solar photovoltaic (PV) projects to alleviate poverty in rural areas. To provide new understanding of China's targeted poverty alleviation strategy, we use a panel dataset of 211 pilot counties that received targeted ...

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