

# **Policies for farmers to install photovoltaic panels**



LIQUID/AIR COOLING

PROTECTION IP54/IP55

PCS EMS

BATTERY /6000 CYCLES



## Overview

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This toolkit provides examples of farmland solar policy issues by topic, including state and local authority over solar, permitting, interconnection, compensation for solar energy, clean electricity goals, and current use taxation. Farmers can benefit from solar energy in several ways—by leasing farmland for solar; installing a solar system on a house, barn, or other building; or through agrivoltaics. Agrivoltaics is defined as agriculture, such as crop production, livestock grazing, and pollinator habitat, located underneath. One government grant program for solar panels on farms is called the Rural Energy for America Program (REAP). But first, what's this about “photovoltaic” initiatives?

A photovoltaic system (PV system) is a more scientific word for the typical solar panel (or PV module) system we think of when we. Subsidized solar farms have made it more difficult for farmers to access farmland by making it more expensive and less available. Within the last 30 years, Tennessee alone has lost over 1.2 million acres of farmland and is expected to lose 2 million acres by 2027. American Farmland Trust's (AFT) Farms Under Threat 2040 solar modeling projects that, without policy intervention, 83% of new solar development is expected to occur on farmland and ranchland (agricultural land), with almost half on America. By harnessing the power of the sun, farmers can reduce their energy costs, increase their sustainability, and improve their overall profitability. However, the initial investment in solar technology can be significant.

## Policies for farmers to install photovoltaic panels

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### **Agrivoltaics Fact Sheet , National Caucus of Environmental Legislators**



States are leading the way in allowing for agrivoltaics through a variety of policies. Utilizing land for agrivoltaics systems has the potential to increase farm productivity by 35-73%. (Colorado State University Extension)

### **Secretary Rollins Blocks Taxpayer Dollars for Solar Panels on Prime**

USDA is taking decisive action which complements policies I supported in the One Big Beautiful Bill Act, ending the misuse of taxpayer dollars and upholding our national security interests in energy

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### **Farm Solar Panel & Energy Grants: A Guide to ...**

Solar panels on your farm can lower operational costs. Learn how to secure federal funding for solar energy on your farm or ranch.



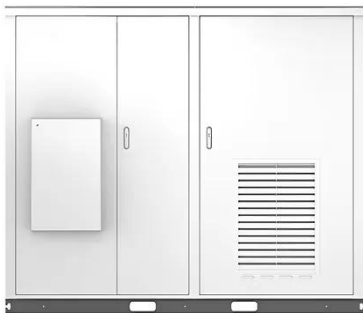
### **Farmer's Guide to Going Solar ,**

## Department of Energy

Farmers can benefit from solar energy in several ways--by leasing farmland for solar; installing a solar system on a house, barn, or other building; or through agrivoltaics.



Solar



### USDA REAP Solar Grant Changes 2025: Who Still Qualifies?

USDA has changed REAP solar grant rules for 2025. Learn which farm & rural business projects still qualify for 50% grants + 30% tax credit.

## Agrivoltaics Pathway

Permits can have a large impact on the timing of solar installation, so familiarize yourself with local regulations, permits, and zoning requirements for solar development on agricultural land. Check if there are any ...



### Farmland Solar Policy Design Toolkit

This toolkit provides examples of farmland solar policy issues by topic, including state and local authority over solar, permitting, interconnection,

compensation for solar energy, clean electricity goals, and current use ...



## American Farmland Trust makes policy

Solar and farming in the same land area can retain functional use of farmland while adding emissions-free power generation. In the United States, up to 83% of new solar development by 2040 is ...



## Solar Tax Credits for Farmers: Eligibility, Benefits, and How to Apply

If you're a farmer considering solar energy, it's essential to understand the various solar tax credits available to farmers. This guide will provide you with valuable information on eligibility, benefits, and ...

## Policy Recommendations to Increase Agrivoltaic Development

An agrivoltaic system is defined as a

ground-mounted photovoltaic solar energy system that:



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