

'Sharing the Sun' market report details expansive growth, recent trends in community solar

October 20 2021



Flowers grow along some of the rows at Jack's Solar Garden in Longmont, Colorado, to attract pollinators such as honeybees, bumblebees, and butterflies. Jack's is a 1.2-MW, five-acre community solar farm and is the largest agrivoltaic research project in the U.S. The solar project was designed and built by Namasté Solar. Credit: Werner Slocum, NREL

More and more Americans are gaining access to clean energy through community solar. On Oct. 26 at 12 p.m., the authors of a new market

report, [Sharing the Sun: Community Solar Deployment, Subscription Savings, and Energy Burden Reduction](#), will discuss policy changes, recent market trends, subscriber value proposition, and how a handful of states are leading the charge when it comes to the tremendous growth seen in community solar projects over the past decade.

Community solar allows customers within a geographic area to benefit from [solar energy](#), even if they are unable to install solar in their individual residences or businesses. Most often, community solar customers subscribe to an off-site array and then receive credits on their electric utility bill for a portion of the [energy](#) generated.

Community solar can be a great option for people who are unable to install [solar panels](#) on their roofs because they do not own their homes; have insufficient solar resources or roof conditions to support a rooftop PV system due to shading, roof size, or other factors; or face financial/other reasons.

Co-authored by researchers from the National Renewable Energy Laboratory and the University of Minnesota, the new report shows the tremendous growth of community solar over the past decade, which now consists of about 1,600 projects in the United States exceeding 3.2 gigawatts in capacity.

According to the report, cumulative community solar capacity has grown by about 121 percent year over year since 2010, more than doubling in capacity on average.

During the webinar, the authors will discuss the financial value that community solar brings to its subscribers and the potential for community solar to reduce consumers' energy burden. Community solar can lead to substantial bill savings—from 5 percent to as much as 25 percent. According to the report, the bill savings from community solar

can also help reduce households' energy burden, or the share of gross household income spent on energy costs such as electricity and heating fuel. In Washington, D.C., for example, community solar subscriptions provided through the Solar for All program reduced energy burdens for the lowest income households from 13.5 percent to 8.8 percent.

The webinar will also review the policy and deployment status of programs targeting low- and moderate-income (LMI) subscribers.

The U.S. Department of Energy (DOE) recently announced a goal to expand community solar to power the equivalent of 5 million households by 2025 and create \$1 billion in energy bill savings through the National Community Solar Partnership (NCSP). The NCSP is a coalition of community solar stakeholders working to expand access to affordable community solar to every American household. A key aspect of meeting the \$1 billion DOE target will be to ensure that those savings reach those who need them most. More information can be found in a related [fact sheet on equitable access to community solar](#).

Provided by National Renewable Energy Laboratory

Citation: 'Sharing the Sun' market report details expansive growth, recent trends in community solar (2021, October 20) retrieved 10 December 2023 from <https://techxplore.com/news/2021-10-sun-expansive-growth-trends-solar.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.