

# Rural solar power generation rate



## Overview

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Department of Energy research projects solar energy to rise from 4% of our nation's total energy production to 45% by 2050, potentially requiring nearly 10.4 million acres of land in solar production (an area about 30% larger than the state of Maryland).

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### [Chesterfield County, Virginia detailed profile](#)

Chesterfield County, Virginia (VA) County population in 2024: 389,793 (92% urban, 8% rural); it was 259,903 in 2000 County owner-occupied with a mortgage or a loan houses and condos in 2020:

### Short-Term Energy Outlook

We recently revised our method for short-term forecasts for small-scale solar capacity to account for different growth rates and policies in key



### [Buckeye, Arizona \(AZ\) profile: population, maps, real estate, averages](#)

Buckeye, Arizona detailed profile Mean prices in 2024: all housing units: \$593,009; detached houses: \$640,661; townhouses or other attached units: \$428,400; in 2-unit structures: \$374,132; in 3-to-4-unit

### [Ozark, Alabama \(AL 36360\) profile: population, maps, real estate](#)

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### Santa Ana, California



### **Miami-Dade County, Florida (FL)**

Miami-Dade County, Florida (FL) County population in 2023: 2,686,867 (99% urban, 1% rural); it was 2,253,362 in 2000 County owner-occupied with a mortgage or a loan houses and condos in 2020:



[Rural Valley, Pennsylvania \(PA 16249\) profile: population, maps, real](#)

Tornado activity: Rural Valley-area historical tornado activity is near Pennsylvania state average. It is 21% smaller than the overall U.S. average. On 1980-06-03, a category F4 (max. wind speeds 207



Santa Ana, California detailed profile Mean prices in 2024: all housing units: \$736,416; detached houses: \$883,286; townhouses or other attached units: \$569,037; in 2-unit structures: \$523,546; in 3



### **Solar energy implementation in rural communities and its contributions**

The adoption of solar energy in rural areas has become a pivotal approach for promoting progress across various Sustainable Development Goals (SDGs). Rural areas, particularly in



[Harvesting the Sun-Twice: Agrivoltaics and Rural Land](#)

As shown in Map 1, roughly 18% of ground-mounted PV facilities in the U.S. were installed between 2021 and 2023, with a notable portion of these

### [Solar Energy Expansion in Rural Communities . Focus](#)

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### [Hamilton, Montana \(MT 59840\) profile: population, maps, real estate](#)

Hamilton, Montana detailed profile Median real estate property taxes paid for housing units with mortgages in 2024: \$2,611 (0.7%) Median real estate property taxes

### [Illinois Very Small Towns and Villages \(fewer than 1000 residents\)](#)

Explore detailed profiles of Illinois' very small towns and villages with fewer than 1000 residents, including demographics, housing, income, and more.



### **Battle Creek, Michigan**

Battle Creek, Michigan detailed profile Mean prices in 2024: all housing units: \$169,707; detached houses: \$172,382; townhouses or other attached units: \$206,021; in 2-unit structures: \$177,276; in 3

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