

ESTIMATED SOLAR INSTALLATION POTENTIAL

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Overall

Total estimated size and solar electricity production of viable roofs for Santa Rosa County, FL



Per roof

Median estimated system size and solar electricity production per viable roof for Santa Rosa County, FL

Roofs

83%

Roofs

30.1K

Roof space

934
sq ft

Capacity

13.3
kW DC

Electricity

16.9K
kWh AC per yr

Roof space

38M
sq ft

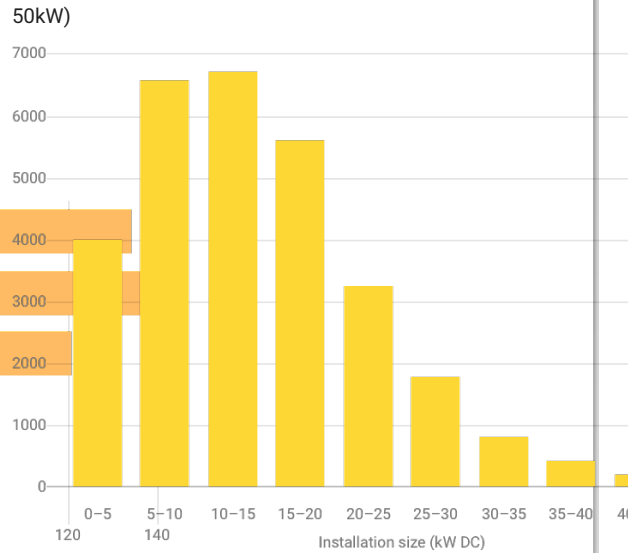
Capacity

539
MW DC

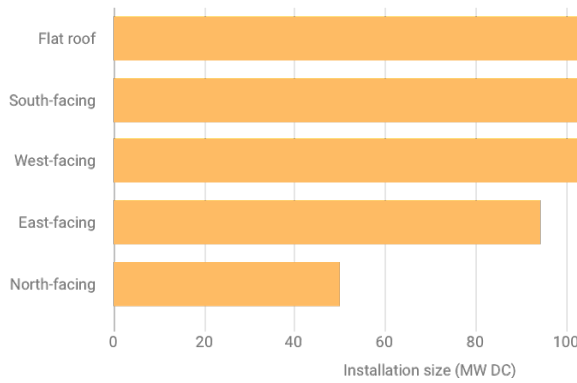
Electricity

702K
MWh AC per yr

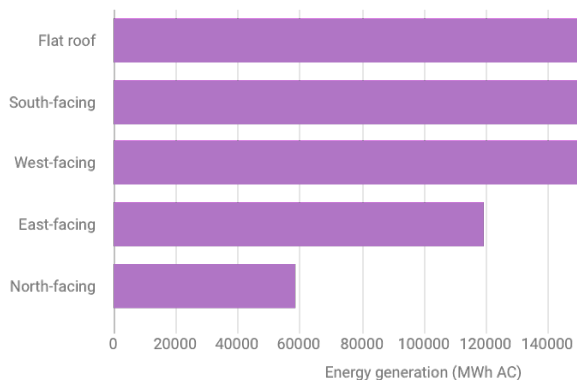
Rooftop solar capacity distribution (number of roofs, < 50kW)



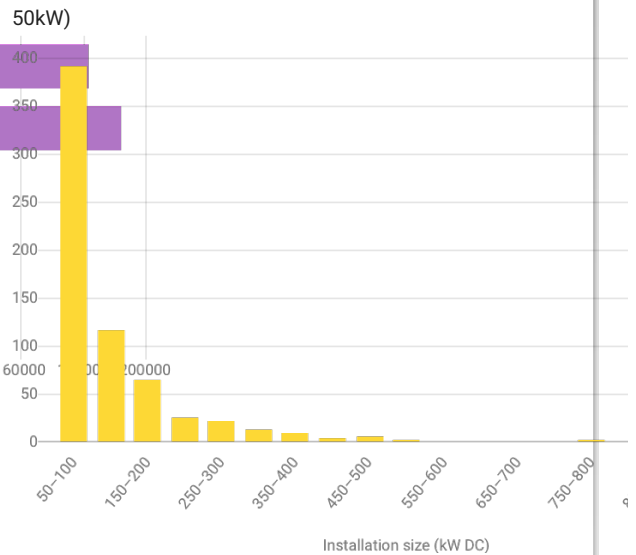
Total installation size (MW DC)



Total yearly energy generation potential (MWh AC)



Rooftop solar capacity distribution (number of roofs, > 50kW)



POTENTIAL IMPACT

If all the viable solar installations were implemented, the amount of avoided CO₂ emissions from the electricity sector in Santa Rosa County would be:



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Federal PV Tax Credit

COMMERCIAL

FEDERAL TAX CREDIT

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ESTIMATE METHODOLOGY

This tool estimates the technical solar potential of all buildings in a region. Technical potential includes electricity generated by the rooftop area suitable for solar panels assuming economics and grid integration are not a constraint. There are many definitions of technical potential, and other definitions may affect results by 25% or more. Based on Project Sunroof's definition of technical potential, installations meet the following criteria:



Sunlight

Every included panel receives at least 75% of the maximum annual sun in the county. For Santa Rosa County, the threshold is 1,114 kWh/kW.



Installation size

Every included roof has a total potential installation size of at least 2kW.



Space & obstacles

Only areas of the roof with enough space to install 4 adjacent solar panels are included. Obstacles like chimneys are taken into account.

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ATTRIBUTION

Feel free to include data from Project Sunroof in other materials, reports, and communications with the following attribution:

Source: Project Sunroof data explorer (June 2019).

Share your ideas with us!

We love to learn more about ways to improve data access and the value it has to our daily users. Email us example reports, stories, or ideas at projectsunroof-dataexplorer@google.com.

Sources: [2010 U.S. Census](#), [National Renewable Energy Laboratory weather data](#), [EPA GHG Equivalencies](#), [Department of Energy SLED \(State & Local Energy Data\)](#), Google Maps

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