

The future of solar panels in the Vatican



Overview

ROME (AP) - Italy agreed Thursday to a Vatican plan to turn a 430-hectare (1,000-acre) field north of Rome, once the source of controversy between the two, into a vast solar farm that the Holy See hopes will generate enough electricity to meet its needs and turn Vatican . ROME (AP) - Italy agreed Thursday to a Vatican plan to turn a 430-hectare (1,000-acre) field north of Rome, once the source of controversy between the two, into a vast solar farm that the Holy See hopes will generate enough electricity to meet its needs and turn Vatican . With the Apostolic Letter "Fratello sole," issued motu proprio, Pope Francis provides for the construction of an agrivoltaic plant in the extraterritorial zone of Santa Maria in Galeria, where Vatican Radio maintains antennas for digital broadcasting. By Christopher Wells Highlighting the need "to . The late Pope Francis' goal of powering the Vatican by 100% solar energy is happening now as Vatican City becomes the first fully powered solar state. This is pretty interesting as the Vatican joins a growing list of countries using 100% renewable energy. While not yet fully powered by renewables, the Vatican has steadily expanded its solar infrastructure since 2008: . In line with the principles of the encyclical 'Laudato Si' and a United Nations agreement on climate change, Pope Francis is making the Vatican "greener. " This content is free of charge, as are all our articles. Support us with a donation and enable us to continue to reach millions of readers.

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Pope orders construction of solar plant to power the Vatican

Pope Francis has ordered the construction of a solar power plant to supply the Vatican's electricity needs. He did so with the apostolic letter in the form of Motu proprio Fratello Sole,

The Vatican will become the first country in the world to produce 100%

It asks the Church, and the world, to imagine a future where the power that lights the Vatican's basilicas comes not from fossil fuels, but from the sun that shines on its fields.



Pope orders construction of agrivoltaic plant for the Vatican

Highlighting the need "to make a transition to a sustainable development model that reduces greenhouse gas emissions into the atmosphere, setting the goal of climate neutrality," Pope

The Vatican Is First 100% Solar Country Via Agrivoltaics: Who

The Vatican is now completely powered by a farm that sports solar panels to help shade-tolerant crops thrive. This new coupling of solar and agriculture is growing fast.



Vatican solar farm will make it the



[world's first carbon-neutral state](#)

Italy has agreed to a Vatican plan to turn a 430-hectare (1,000-acre) plot of land north of Rome into a vast solar farm that will generate enough electricity to meet the needs of Vatican City.

Inside the Vatican's Climate Agenda

In 2024, the Vatican announced a new solar plant to be built on Church-owned land outside Rome, positioning the city-state to become the eighth country in the world to run entirely on renewable



[Vatican City now runs fully on solar power << Euro Weekly News](#)

On May 29, 2025, the Vatican City officially transitioned to solar power, marking a significant shift in the European energy landscape. The heart of this change is located at Santa Maria

[Vatican Photovoltaic Panel Power Generation Efficiency: Innovations](#)

Summary: Discover how the Vatican leverages high-efficiency photovoltaic panels to achieve energy sustainability. Explore technical advancements, real-world data, and the role of solar power in



The Vatican's intriguing path to going 100% solar

In 2015, Pope Francis set the Vatican on a path toward full reliance on solar power. Now, under Pope Leo's direction, the Vatican has joined seven other countries in being fully powered by

[Vatican strikes solar farm deal to become the world's first carbon](#)

Italy agreed Thursday to a Vatican plan to turn a 430-hectare (1,000-acre) field north of Rome, once the source of controversy between the two, into a vast solar farm.



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