



# Lithuania solar energy for the environment

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The largest and most efficient solar power parks in the Baltic states open in Lithuania

Summary. Lithuania's renewable energy targets, particularly in solar PV, have exceeded expectations with 1.2 GW of total solar capacity already installed, surpassing the 2025 goal. The government has set more ambitious targets of 2 GW by 2030, with revised NECP drafts aiming for a 500% increase to 5.1 GW.

To be an active partner of society, politicians and business, creating a suitable and sustainable environment for the development of solar energy in Lithuania. We unite solar energy market players to inspire, encourage and help Lithuania to use solar energy as a clean, renewable source of energy, ensuring energy independence and a secure future ...

The study's interim results, released in May 2024, suggest Lithuania can feasibly meet its 2030 electricity demand through renewables, thanks to abundant renewable energy potential, flexible generation capacity, and robust interconnections with neighboring E.U. countries

Solar energy produced using photovoltaic cells is becoming more and more popular. One of the most attractive areas where this technology could be applied is in the modernisation of apartment buildings. Energy production from renewable energy sources (RES) is being promoted in European and Lithuanian strategic documents.

"More than a decade ago, the Centre of Registers created a map of the geoinformation environment (REGIA) for municipalities to facilitate their daily functions. Today, we are developing this map as a national platform for open data and public services of the Centre of Registers. From this year, the REGIA map will offer a possibility to learn about the output of the solar power plant installed on the roof of a particular building. This data may become the first step in assessing our ability to start producing electricity from renewable energy sources."

Director General, State Enterprise Centre of Registers, Lithuania

State Enterprise Centre of Registers is providing data to support green energy transition in Lithuania by enabling people to decide whether to invest in solar panels.

Increased investment in renewable energy, and in particular solar power, means people want to know the annual potential of installing rooftop panels. Such decisions are now easier after completion of a new layer of data on the national geoinformation environment map, REGIA.



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The Centre of Registers, in cooperation with various state institutions and companies, displays a wide range of data on REGIA. This includes engineering infrastructure and transport objects, cultural and natural heritage objects, territories with special land use conditions, and renewable energy sources.

Based on publicly available data, the new layer enables users to assess the potential of solar energy for the roofs of buildings. By combining this data with the data in the Real Property Register, which is managed by the Centre of Registers, the indicative annual solar energy potential for the roofs of buildings is calculated and displayed.

People and businesses across Lithuania are increasingly investing in renewable energy sources, not only to contribute to sustainable development but also to save money.

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