

London Gigawatt Solar Farm





Overview

How much electricity will a new solar farm produce?

The new solar farm will provide approximately 20 per cent of its output to TfL, which is about 80 Gigawatt hours (GWh) of electricity per year, or 1,200 GWh collectively over 15 years - this amount of clean electricity could run the entire Tube network for a year or power both the DLR and Tram network for 15 years.

Will the London Underground be powered by solar energy?

Transport for London (TfL) has signed a major new deal to power the London Underground using clean solar energy, as part of a long-term plan to decarbonise the capital's transport network and support biodiversity. A new solar facility will be built in Longfield, Essex, by EDF Renewables UK through its subsidiary Longfield Solar Energy Farm Limited.

Will a new solar farm be built in Longfield?

EDF Renewables UK to begin construction work on a new solar farm in Longfield, Essex, from next year, providing green energy to the Tube, as well as decarbonising the National Grid and increasing its capacity.

How can transport for London increase its green electricity?

To increase its green electricity, Transport for London has appointed EDF Renewables UK through its solar energy farm for a 15-year Power Purchase Agreement. This means that a new solar facility will be built in Longfield, Essex, to allow for more renewable energy for the tube.



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[Tube to be powered by clean solar energy under new TfL ...](#)

Jun 25, 2025 · Transport for London (TfL) has signed a major green energy deal with EDF Renewables UK to supply the Tube with clean electricity from a new solar farm in Essex, ...

TfL Strikes Major Green Energy Deal to Power London Underground with Solar

Jun 26, 2025 · The 15-year Power Purchase Agreement (PPA) will supply TfL with around 80 gigawatt hours (GWh) of clean electricity annually--enough to power the entire Tube network ...



[New solar facility will provide green power for the Tube](#)

Jun 25, 2025 · The new solar farm will provide approximately 20% of its output to TfL, which is about 80 Gigawatt hours (GWh) of electricity per year, or 1,200GWh collectively over 15 years ...

[New solar facility will provide green power for](#)

Jun 25, 2025 · Transport for London (TfL) has appointed EDF Renewables UK, through its subsidiary Longfield Solar Energy Farm Limited, to generate and deliver green electricity via a ...



London Underground Goes Green: Solar Farm Initiative

Jul 7, 2025 · TfL partners with EDF Renewables to power London Underground via a new 400MW solar farm, marking a major step toward 100% renewable energy by 2030.



New solar farm to power London Underground in major ...

Jun 25, 2025 · A new solar facility will be built in Longfield, Essex, by EDF Renewables UK through its subsidiary Longfield Solar Energy Farm Limited. The agreement, known as a ...



UK's largest solar farm to power London Transport in green ...

Jun 27, 2025 · The UK's largest solar farm is to power some of London's transport network after Transport for London (TfL) signed a 15-year supply agreement.





[Transport for London Signs New Solar Energy Contract](#)

Jun 26, 2025 · To increase its green electricity, Transport for London has appointed EDF Renewables UK through its solar energy farm for a 15-year Power Purchase Agreement. This ...



[TfL invites bidders to install and operate solar farms for the ...](#)

Oct 31, 2024 · These solar farms could provide up to 64 MW of clean energy, which is around five per cent of the electricity needed to run the Tube network Unlocking renewable energy ...

[Solar farms to power London Underground](#)

Jun 26, 2025 · The new solar farm will provide approximately 20% of its output to TfL, representing about 80 Gigawatt hours (GWh) of electricity per year, or 1,200 GWh collectively ...



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