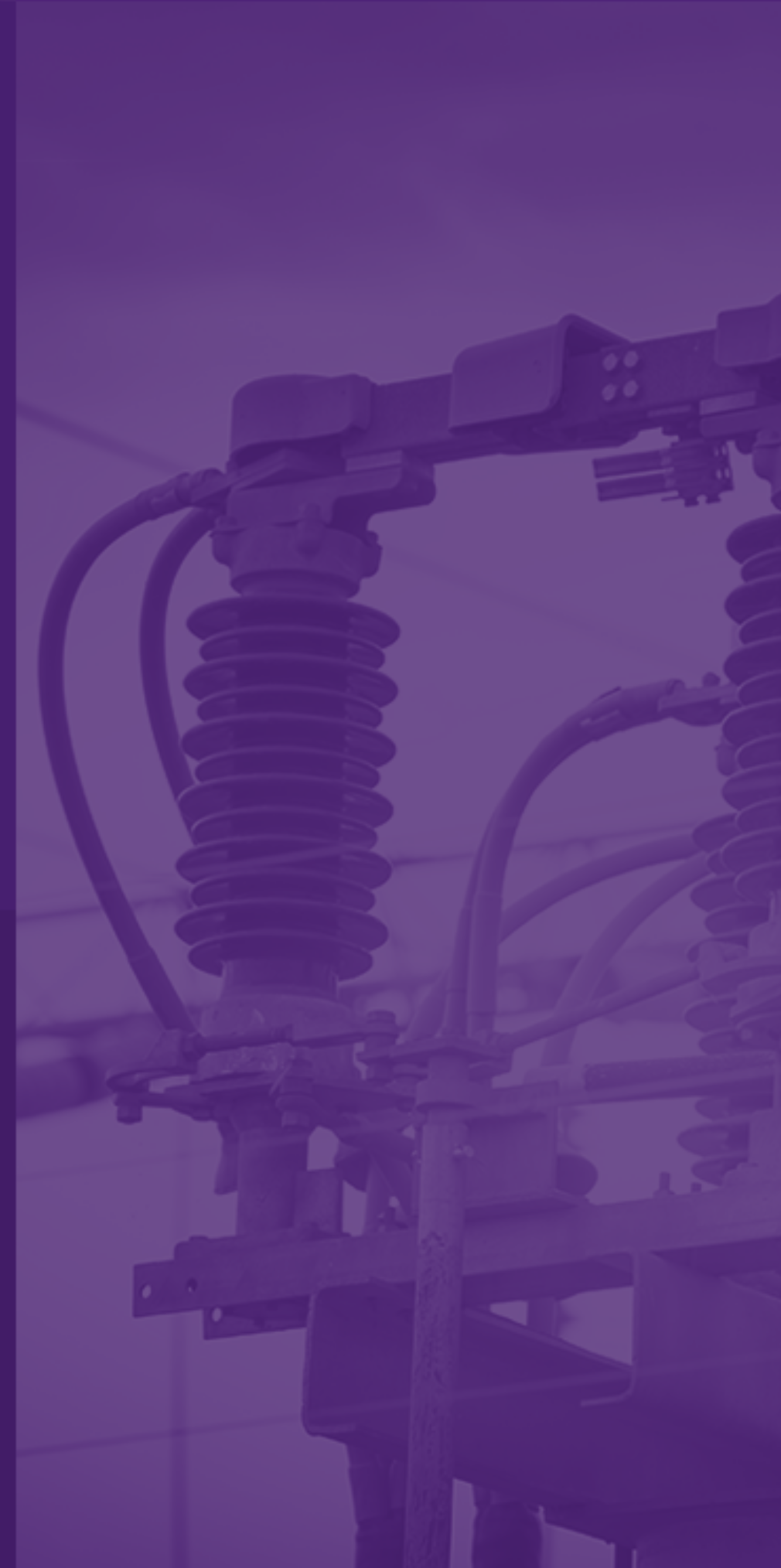




TRANSPORT FOR LONDON

EVERY JOURNEY MATTERS



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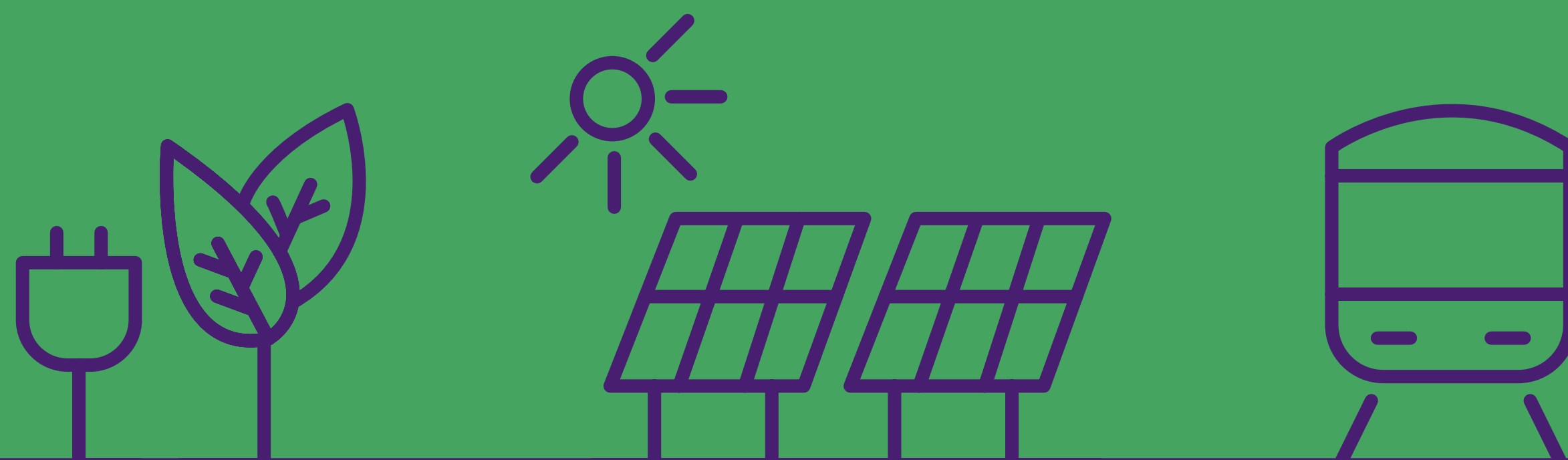


‘As one of the single biggest purchasers of energy in London, it is important that TfL leads the way on green energy. This is a vital step towards my ambitions for TfL – and London – to be zero-carbon by 2030.

‘COVID-19 has had a devastating impact but as we recover, we want to make sure that we build a better, greener and more equal city. This work to secure cost-effective and renewable energy for the rail network, with ambitions to include the wider GLA group and beyond, will play a key role in London’s green recovery and accelerating action on the climate emergency.’

Sadiq Khan, Mayor of London





TfL Private Wire project

Private Wire is an initiative to progress towards zero carbon across our rail operations by 2030.

Its aim is to connect new-build solar PV arrays, located on externally-owned land, directly to the London Underground power network.

We warmly invite you to be part of the Mayor's transformative vision to make London one of the greenest cities in the world.



Our energy consumption

We are London's single largest consumer of electricity.

We are also one of the top consumers in the UK. We have a highly predictable long-term power consumption profile.

1.6 Terawatt-hours



In total, we use 1.6 terawatt-hours of energy every year. That's equivalent to the energy usage of approximately half a million domestic consumers. It includes traction and non-traction power.

2.4 Terawatt-hours



We expect this to increase to 2.4 terawatt-hours of energy per year by 2030. This is owing to the planned electrification of our bus fleet: we have a significant volume of zero emission electric buses and plan to greatly increase this number by 2024.



Our power network

We have a private high voltage (HV) power network, comprising over 150 substations.

The power network broadly follows the route of the London Underground lines.

It's a unique opportunity - the extensive reach of our Tube network means that there's a huge geographical range of solutions for providing power to it.

Please see our prospectus for information on our substation locations.



Power potential

You will have the opportunity to power our Tube network with up to 64 megawatts of renewable generated power.

This is the estimated maximum power TfL could take, based on a solar generation profile.

We welcome applications from a variety of organisations, from independent energy firms to large solar developers to landowners, as well as organisations interested in bidding as part of a consortium.

64MW
of renewable
generated power



Next steps

We're eager to find out more about your expectations, requirements and capabilities.

Please read our prospectus which sets out our requirements, constraints, geographical overview of the opportunity and response process to be followed.

We're carrying out a market-sounding exercise, which involves a prospectus and a questionnaire.

To ensure your views are considered, please submit all entries to our market-sounding questionnaire by 12:00 on 18 January 2021, via our e-tendering website, **ProContract**.



