

NET ZERO TARGETS...

• The race to Net Zero is driven by global and national initiatives.



Global emissions need to be reduced by 45% by 2030¹²



The Paris Agreement targets a **climate neutral** world by 2050¹²

CO₂

UK Energy Secretary Ed Miliband has appointed Chris Stark to lead Mission Control for **clean power** by 2030¹⁹



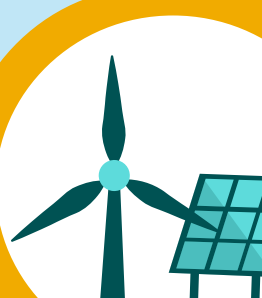
The UK needs to move **faster and upgrade the electricity network** to keep pace with the UK's 2035 net-zero goal¹⁵

GREEN ENERGY LANDSCAPE...

• The newly elected Labour government must ramp up public investment to decarbonise Britain's homes, transport, and electricity¹⁰.



Electrification of heating using renewable energy sources will be a critical part of reaching Net Zero by 2050



A combination of solar and wind generation would achieve a low-cost, net-zero consistent electricity system for the UK

CO₂

95% of Great Britain's electricity set to be low carbon by 2030¹¹

70GW 2035

Solar Energy UK is working to increase the UK solar capacity to 70GW by 2035¹⁴



The UK is targeting 95% of electricity generation from low carbon sources by 2030, rising to 100% by 2035¹¹

THE COST...

• As the uptake of renewable energy increases, there has been a significant reduction in the cost of solar installation.



Renewables' share of electricity generation is currently at 41.4%¹¹



Solar power is the cheapest and most popular energy technology - and the fastest to build⁶



As demand for solar panels increases globally, prices are decreasing dramatically⁶

50% OFF

50% OFF

50% OFF

Residential rooftop solar panels are now less than 50% the price they were a decade ago¹¹

THE UK'S POSITION

• Despite continual growth in solar energy adoption, further progress must be made to meet Net Zero milestones.



Solar currently accounts for **6.8% of the renewable energy** share of electricity generation¹⁵



1.5 million solar installations across the UK, as of end of March 2024¹⁶



Currently **1 in 25 buildings** in the UK have solar panels installed¹⁴



15.9 GW installed UK solar capacity, as of the end of April 2024¹⁸



Solar power is currently the **third most** generated renewable energy in the UK, after wind and biomass⁷



Solar capacity could grow up to **5 times by 2035**, particularly on domestic and commercial rooftops¹¹

SOURCES: ¹gov.uk, ²un.org, ³carbonbrief.org, ⁴solarenergyuk.org, ⁵nationalgrid.com, ⁶theecoexperts.co.uk, ⁷theswitch.co.uk, ⁸solarcentric.co.uk, ⁹renewablesnow.com, ¹⁰theguardian.com