

## NET ZERO TARGETS...

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



Global emissions need to be reduced by 45% by 2030<sup>12</sup>



The Paris Agreement targets a **climate neutral** world by 2050<sup>12</sup>

CO<sub>2</sub>

UK Energy Secretary Ed Miliband has appointed Chris Stark to lead Mission Control for **clean power** by 2030<sup>19</sup>



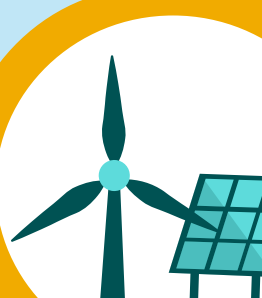
The UK needs to move **faster and upgrade the electricity network** to keep pace with the UK's 2035 net-zero goal<sup>15</sup>

## GREEN ENERGY LANDSCAPE...

• The newly elected Labour government must ramp up  
• public investment to decarbonise Britain's homes,  
• transport, and electricity<sup>10</sup>.



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

CO<sub>2</sub>

95% of Great Britain's electricity set to be low carbon by 2030<sup>11</sup>

70GW  
2035

Solar Energy UK is working to increase the UK solar capacity to 70GW by 2035<sup>14</sup>



The UK is targeting 95% of electricity generation from low carbon sources by 2030, rising to 100% by 2035<sup>11</sup>

## 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%<sup>11</sup>



Solar power is the cheapest and most popular energy technology - and the fastest to build<sup>6</sup>



As demand for solar panels increases globally, prices are decreasing dramatically<sup>6</sup>

50% OFF

50% OFF

50% OFF



Residential rooftop solar panels are now less than 50% the price they were a decade ago<sup>11</sup>

## 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 generation<sup>15</sup>



**15.9 GW** installed UK solar capacity, as of the end of April 2024<sup>18</sup>



**1.5 million solar installations** across the UK, as of end of March 2024<sup>16</sup>



Solar power is currently the **third most** generated renewable energy in the UK, after wind and biomass<sup>7</sup>



Solar capacity could grow up to **5 times by 2035**, particularly on domestic and commercial rooftops<sup>11</sup>



Currently **1 in 25 buildings** in the UK have solar panels installed<sup>14</sup>

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