

# Solar Scope: Tyseley

Responding locally to the 2030 UN  
Climate Change Emergency

## Promoting Solar in the Tyseley Environmental Enterprise District

More and more people are aware of the threat to our lives and planet posed by climate change. The big challenge is what to do about it and how? A key starting point is to get our businesses and buildings to use less energy and generate more renewable energy. That's what our exciting new **solar mapping project** in **Tyseley** aims to do.

In the UK, wind, bioenergy, hydro and solar now generate more than a third of UK electricity. In 2021 solar generated 13.5 GW with a market share of 4.1%. But that still lags way behind Germany, where the new government has plans to quadruple solar power capacity to 200 GW by 2030. **Thus, we need to up our game.**

Our new initiative is showing how. Using OpenSolar, a free solar mapping tool, Birmingham University Geography students on placement with the Coventry-based **Climate Change Solutions (CCS)** are identifying the solar PV capacity of **260 businesses** and community establishments on the Tyseley Environmental Enterprise District (TEED) in East Birmingham.

Already, students working with **CCS** have mapped the solar potential of a 5 mile strip of Coventry along its central canal and shown there is scope for **288,000 solar panels**, able to cover the electricity supply for **30,000 households**.

**CCS** is now engaging with business owners on the potential for them to switch to solar. East Birmingham is looking to follow this path.

We shall present the findings from our **Tyseley Solar Mapping project** to Birmingham City Council, Tyseley companies and potential investors. The installation of solar panels in the Tyseley Enterprise district would be a quick early win. It would:

- **Show business commitment to the climate change agenda.**
- **Form partnerships. Public, Private and Community sectors working together reducing energy bills, carbon emission, local cleaner air, with green jobs and producing a better fair future for all**

It's an example that could be followed right across Birmingham. We're already receiving enquiries to map other parts of the city.



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# Tyseley Energy Park

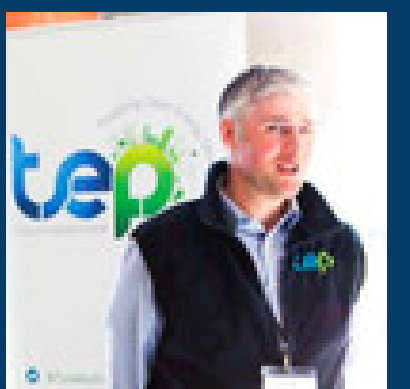
## A Showcase of Green Low-Carbon Transformation

Tyseley Energy Park (TEP) is the convergence of and collaboration between academia, industry and the public sector focused on creating solutions to drive carbon reduction across: heat, transport, recycling and energy systems.

Born out of Webster and Horsfall's 300 year-old manufacturing business TEP continues the theme of industrial innovation and seeks to create new systems and collaborative working opportunities that ensures Birmingham is the epicenter of the new green industrial revolution.

TEP's legacy will: see greater engagement with and increased employment in low carbon industries. Stimulate innovation, demonstrating new technologies and creating commercially viable energy system solutions that positively contribute to local communities and the citizens of Birmingham's whilst reducing CO2 emissions by 2030.

**"We're acting as a beacon for the Net-Zero transition" - David Horsfall**  
**Director of Property, Tyseley Energy Park**



# SolarScope



This project is lead by a group of over ten students from the University of Birmingham. Under the umbrella of Climate Change Solutions Ltd., we are supported by Beate Pesian from Worksmith Ltd., Tyseley Energy Park and the Birmingham Energy Institute.

### WHY TYSELEY ENTERPRISE DISTRICT?

- Home to TEP, already trailblazing the potentials of Green Energy for Birmingham
- Home to Birmingham Energy Institute leading the way for research and innovation
- Large industrial roofs, grouped in clusters ideal for sharing energy in a micro grid

### Come and join us!

This not-for-profit project is meant to inspire and show the potential of Solar Energy in a time of great climate urgency. With your support, this will be just the beginning!

Find us on social media under  
**#TyseleySolarScope**



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