



**PROJECT 3D:  
DATA TO HELP DECARBONISE IN  
A DECADE**

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# PROJECT 3D

- Centre for Sustainable Energy  
[www.cse.org.uk](http://www.cse.org.uk)
- Birmingham City Council
- Route to Zero Task Force
- West Midlands Combined Authority
- Local community partners

ICLEI – Local Governments for Sustainability

24 months from 2<sup>nd</sup> November 2020

# PHASES

## **Phase 1: data analysis and access**

Establish an open-source, city-wide energy data-set for Birmingham

## **Phase 2: communication**

Training, support and communications for and with councillors, staff, Task Force and other stakeholders

## **Phase 3: application**

Identify and deliver multiple 'full-city-scale' applications of data which help to deliver Birmingham's existing decarbonisation policies and programmes

Make small grants (approx. £10,000 per community) and expert staff support available to 10 local communities to use the data to drive local campaigns and behaviour change programmes

## **Phase 4: evaluation**

Gather feedback from stakeholders; report on lessons learned.

# PHASE 1: DATA ANALYSIS + ACCESS

Solar PV  
Housing energy efficiency  
District heating  
EV charging points  
Transport  
Demographic, socio-economic, health

Data analysis, modelling, aggregation

Open-source, city-wide energy data-set for Birmingham

# PHASE 2: COMMUNICATION

- Stakeholder engagement
- Training events
- Project newsletter

# PHASE 3: APPLICATION

Route to Zero Project Board

Route to Zero Task Force

Low income neighbourhoods

BAME communities

Artistic and creative bodies

Youth groups and schools

Small businesses

Local food groups

Registered Social Landlords

Faith communities

'Able to pay' neighbourhoods

Housing developers

XR, Transition and other  
campaign groups

Short-commute drivers

Cyclists

# ENERGY DATASETS FOR BIRMINGHAM

**Objective:** Collate energy/emissions related, Birmingham specific data sets and make these publically accessible

**Delivery:** Processing, modelling and aggregation of open and private/commercial data sets

Data will be available at different geographies (e.g. LSOA, Ward, Birmingham-wide), and include some spatial data (e.g. GIS files)

The project will seek input from stakeholders and partners

**Data hub:** All open data sources will be accessible via a searchable public-facing web tool

# CITY WIDE APPLICATION OF DATA

Data referenced in evidence for new Local Plan policies

Housing energy efficiency data used as part of local energy efficiency schemes

Solar resource data utilised in city-wide PV planning

Data used to underpin model shift and active travel initiatives

Case studies illustrating city wide data applications



# SMALL GRANTS

Small grants to help communities use data

10 x £10,000 (approx.)

Range of projects to cover

- Sustainable mobility
- Sustainable and energy-efficient buildings
- Solar energy developments
- Other topics (e.g. household carbon behaviour change)

# PHASE 4: EVALUATION

Environmental and social impact assessment

Data collection and iterative feedback (interviews and surveys)

- How was data used
- What worked
- What could be replicated

Dissemination to share project impacts and lessons



# CONTACT

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