
Climate Change Action

Presentation to Parish Partnership Panel, 31 August 2023

Serving our
community



Agenda

1. **Formulating an action plan: high level**
2. TMBC: update on emissions reductions

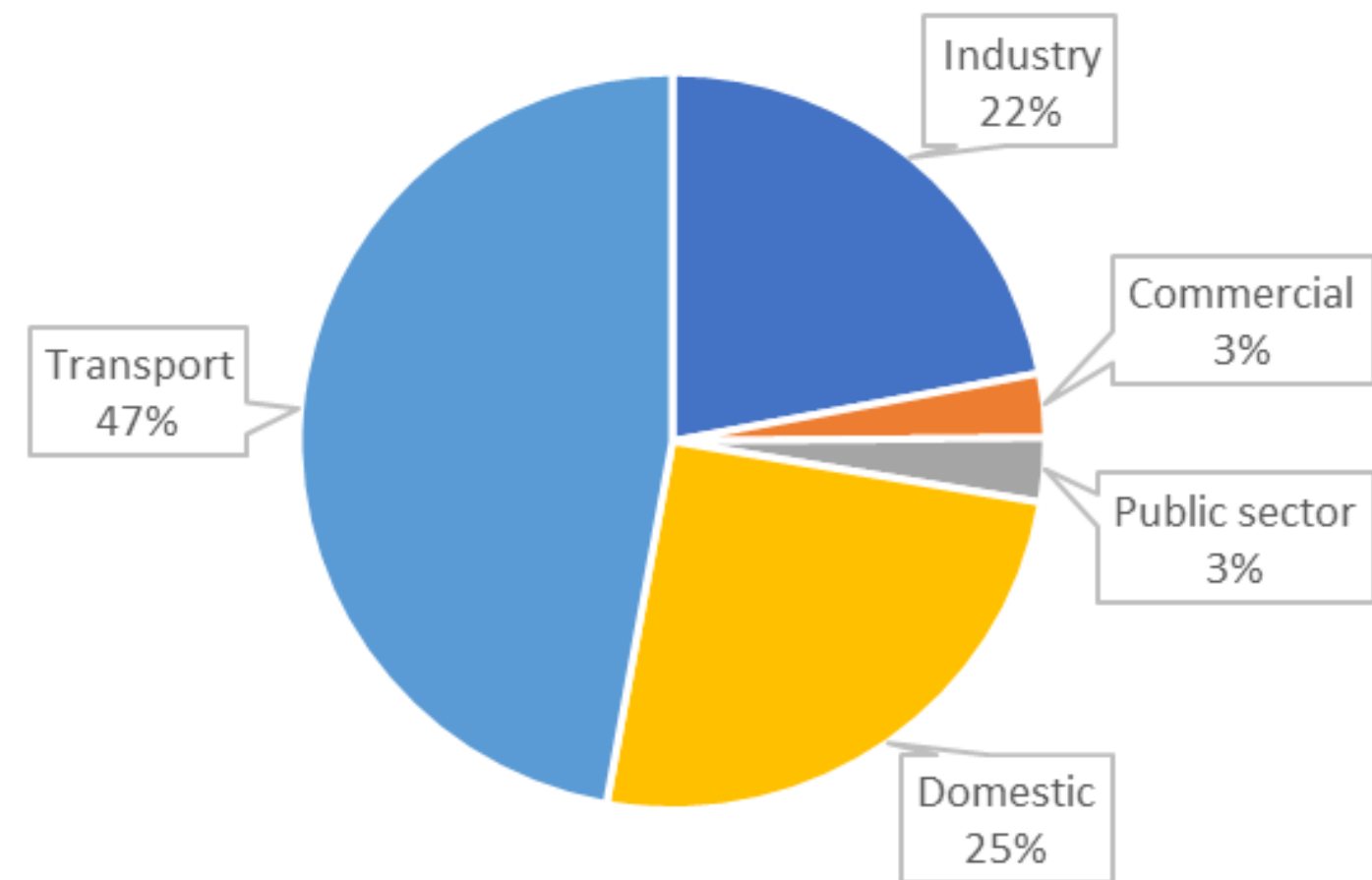
Action plan steps

1. Minimise Energy Use
2. Decarbonise Energy
3. Tackle transport
4. More trees

Over two-thirds of emissions from the Borough come from the Transport and the Domestic sectors

- Tackling emissions from transport remains a huge challenge
 - Transport emissions can be reduced by: fewer journeys, more people travelling in the same car, fuel switching, and mode switching
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- Improving home energy efficiency can tackle a quarter of emissions in the Borough
 - 35% of T&M households are rated A- C (SAP)
 - Only 4 houses in the Borough are rated A for energy efficiency

Borough emissions by sector (2021, ktCO2e)



1. Minimise Energy Use

Behaviours

1. Turn off lights (including porch lights)
2. Close curtains
3. Don't overfill kettle
4. Run appliances when full
5. Unplug devices once fully charged
6. Switch off instead of standby

No or low-cost measures

1. Loft insulation
2. Insulation around hot water tanks and pipes
3. Draft excluders, e.g. around outside doors, letter box
4. Chimneys (chimnella or chimney sheep)
5. Window drafts

Investments

1. Energy efficient appliances
2. wall insulation
3. Double glazing

2. Decarbonise Energy

Electricity

Renewable generation (on-site)

- Solar panels
- Wind turbines

Renewables (off-site)

- Renewable Energy Guarantee of Origin (REGO) contract
- Community Energy

Gas

Appliances

- electric or induction hob / oven

Heat

- Renewable electric technologies, e.g. solar powered immersion heat for water
- Heat pumps (on-site or local heat network)

3. Tackling transport

Fuel switching

- If using a car is essential, switch to lower-emissions EV
- Tools such as Zap Map show locations of EV charge points around Kent

Mode switching

- Although the car might be more convenient in general, other modes might be better for other journeys.
- Short journeys could be walked or use local bus
- Trains connect towns and cities and avoid parking fees and traffic

Change habits

- Could several of you travel together in one car if you're going to the same destination?
- Are there opportunities for fun/ exercise by biking (e.g. to pop out for milk) when you might normally drive?

4. Trees

- Trees **sequester** carbon as they grow (i.e. remove carbon dioxide from the atmosphere)
- Then **store** carbon once mature.
- In the **UK broadleaf species, such as oak**, sequester and store high amounts of carbon, and are good for biodiversity and other benefits.
- Forestry Commission, Forestry England, The Woodland Trust etc. have a lot of information on 'right tree right place', benefits, activity packs for schools etc.

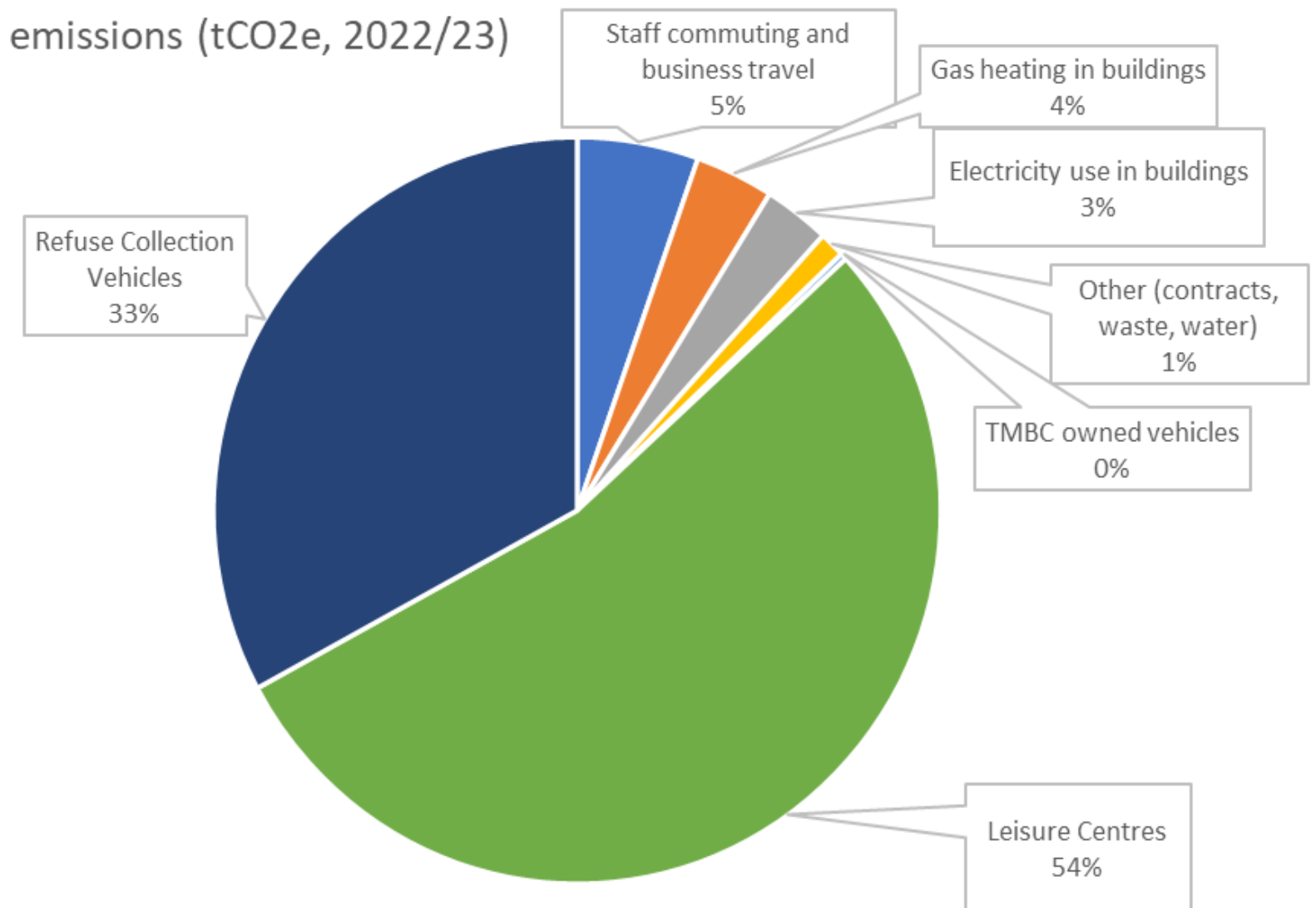
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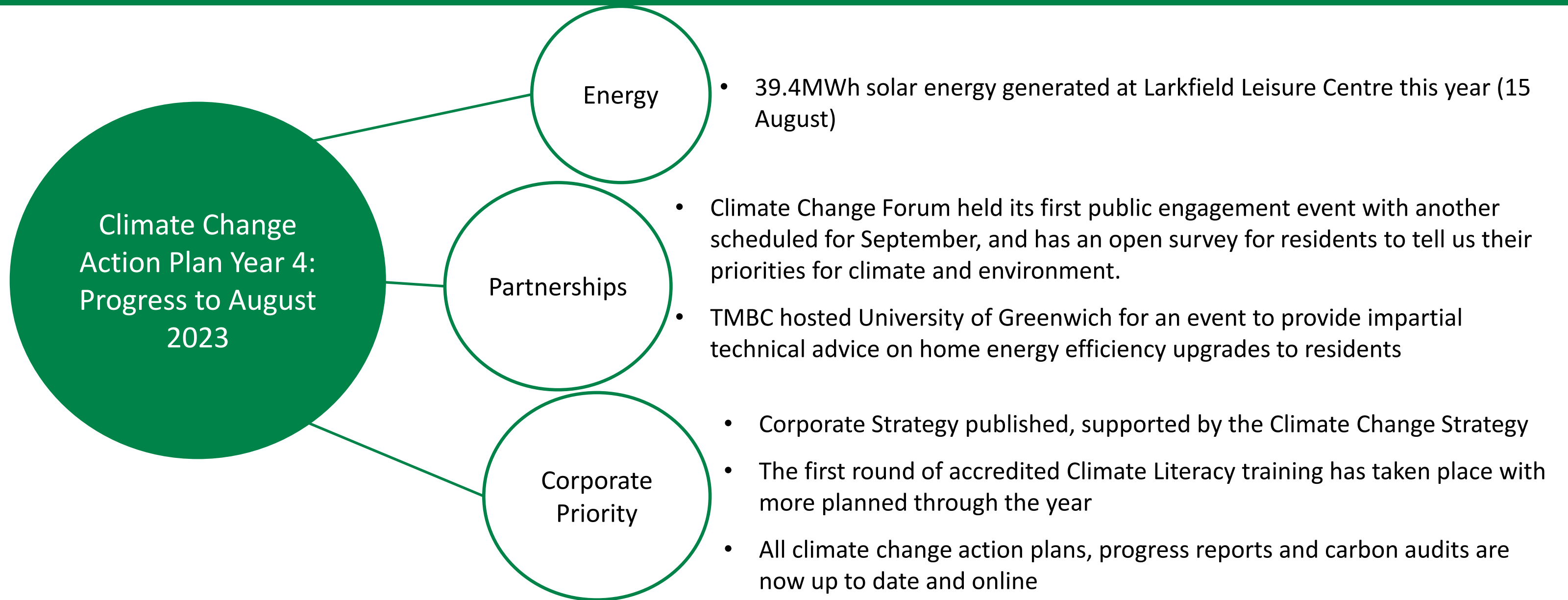
Decarbonising Heat and Transport are key priorities for tackling emissions from the Council's own estate and operations

- Total gross emission from the Council estate and operations were 3, 397 tCO₂e (2022/23)
 - Leisure Centres and Refuse Collection Vehicles account for 86% of total TMBC gross emissions
 - Vehicles produce 39% of gross emissions (Refuse Collection, staff travel, operational and service vehicles)
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- TMBC is progressing energy efficiency, renewables and decarbonisation measures at the Leisure Centres (see slides on action plan)
 - Decarbonisation of leisure sites with swimming pools will require external grant funding

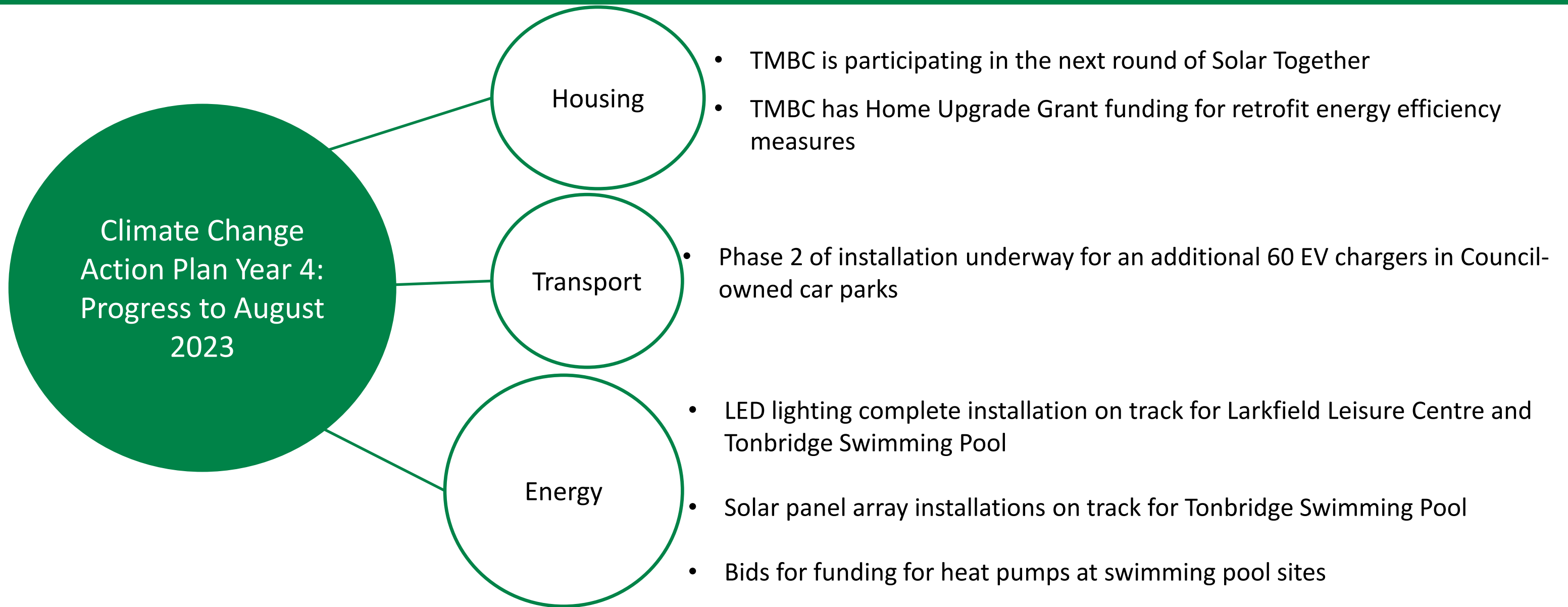
TMBC emissions (tCO₂e, 2022/23)



Key 2023 milestones delivered



Key actions in progress



Links to key information

Climate Change Strategy 2020 -2030

<https://www.tmbc.gov.uk/climate-change/climate-change-strategy-2020-2030>

Climate Change Action Plans and Progress Reports (all years)

<https://www.tmbc.gov.uk/downloads/download/439/climate-change-action-plans>

Carbon Audits of TMBC emissions (all years)

<https://www.tmbc.gov.uk/downloads/download/480/tmbc-carbon-audit>

5 question resident survey: priorities on climate and environment in TMBC

<https://www.tmbc.gov.uk/climate-change/work-tackle-climate-change/3>

Any queries

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