

Carbon Neutral Plan

**Climate Breakdown Shakedown
XR Greenwich Zoom Event
May 2020**

Background

- The Council declared a ‘climate emergency’ at its meeting in June last year. It pledged to make Greenwich carbon neutral by 2030 – or earlier if possible. The Council also pledged to take steps to avoid any adverse impacts on vulnerable residents.
- Following the declaration, the council commissioned a review of borough’s emissions, and has now published an evidence-based report

Background

- The report shows the measures and costs associated with low carbon transition. It pays attention to co-benefits of action – such as improved health outcomes and economic activity.

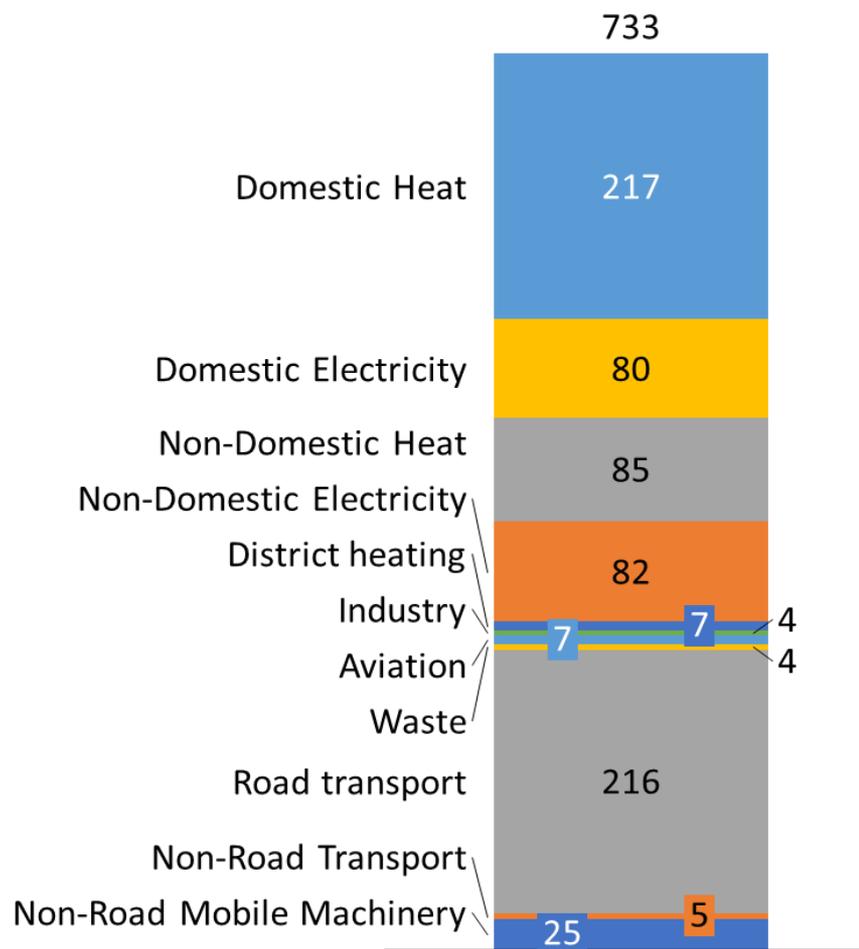
...in the next 9 years

- **In summary**

- substantially increase energy efficiency of the building stock, and phase out the use of gas boilers (through district heating connection, or installation of low carbon heating systems);
- Reduce vehicle trips by 45% ;
- Generate renewable energy locally;
- Generate much less waste and recycle most of it;
- And, protect green spaces, among other things.

Carbon Emissions-where are we now?

RBG Carbon Emissions in 2019 are 733 kilo Tonnes CO₂e. Source breakdown is as shown



Evidence Base- Scope

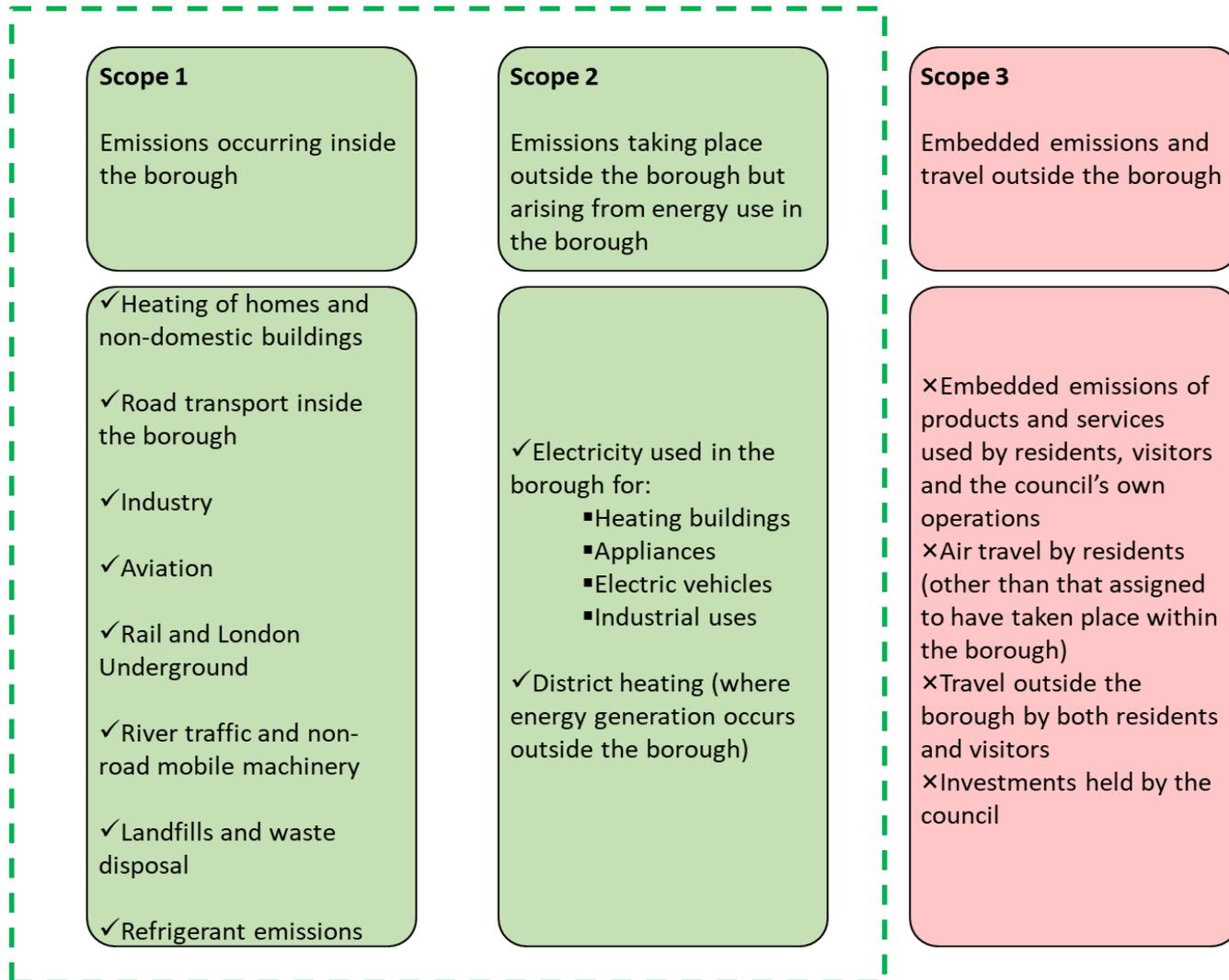
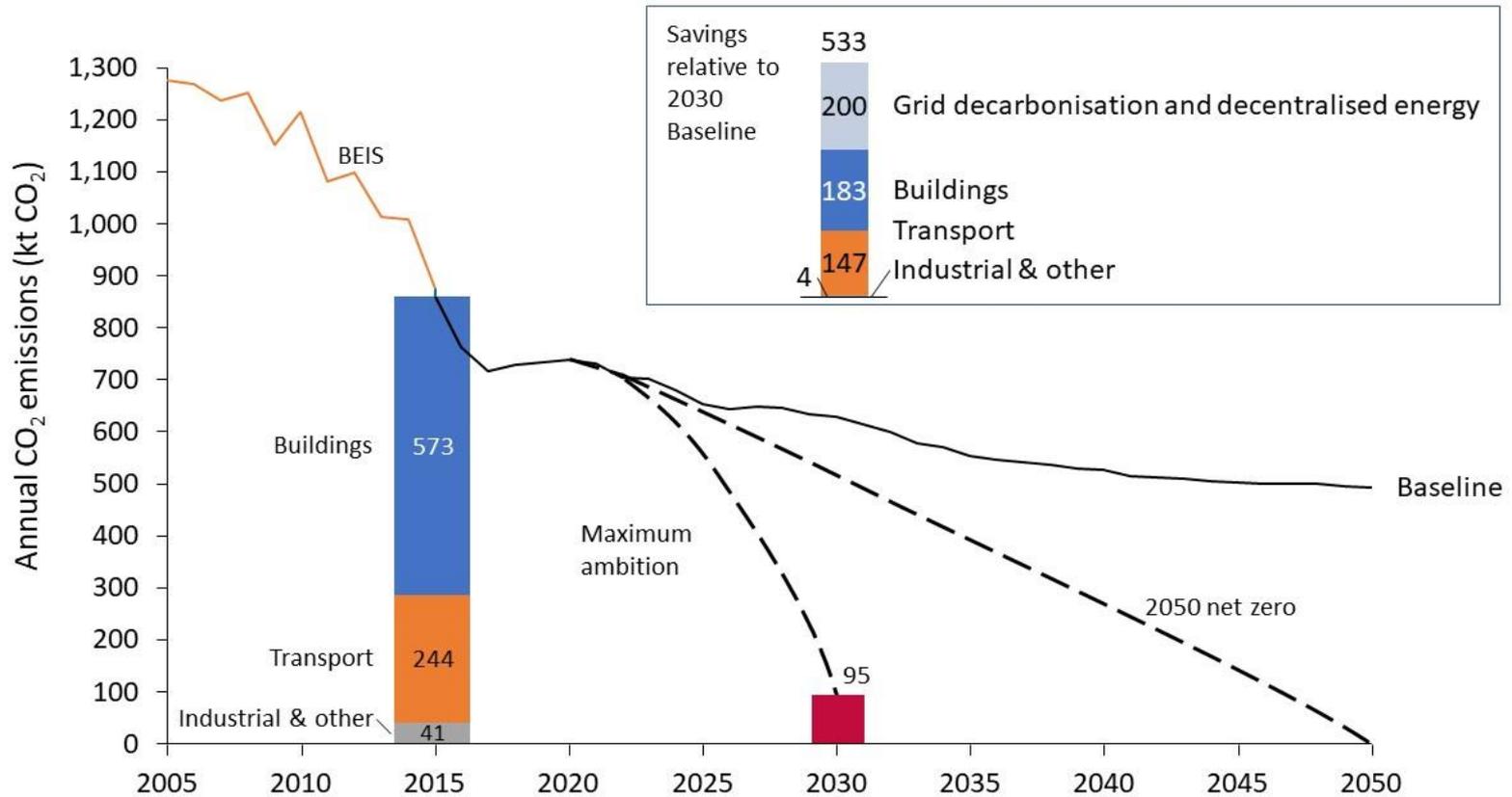
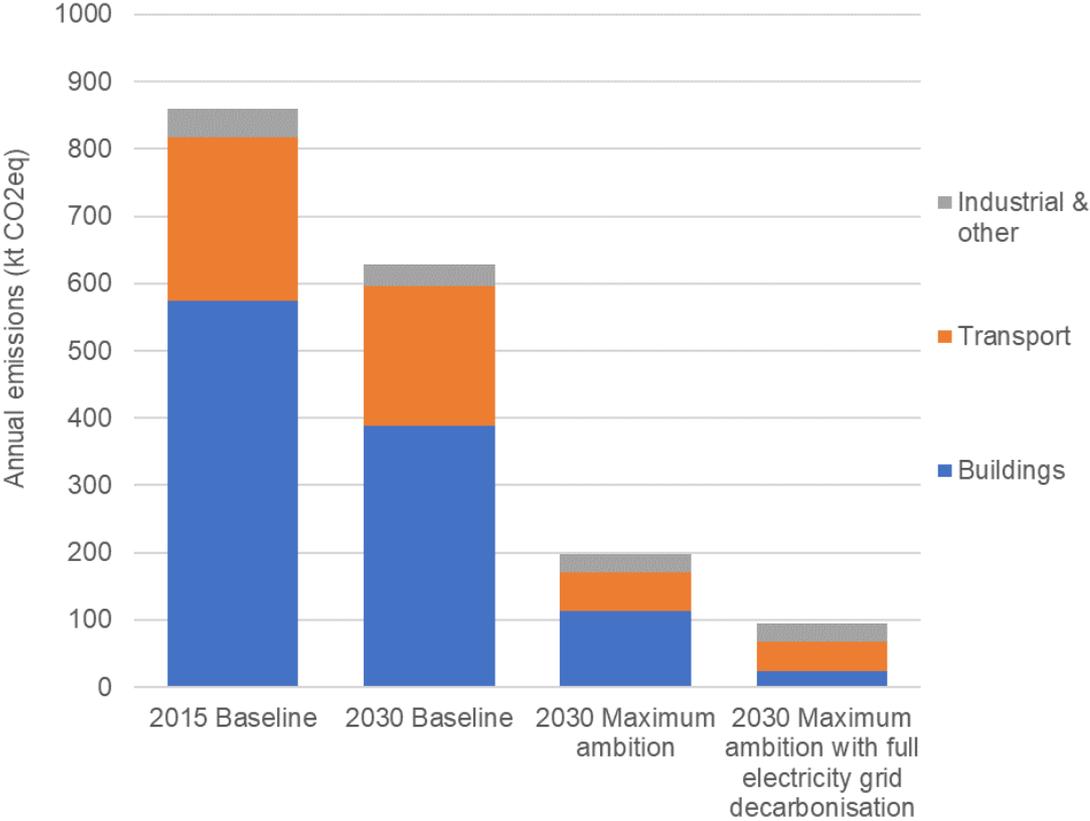


Figure 4-1 Schematic showing the inclusions and exclusions of emissions sources

Potential Trajectories to Carbon Neutral



Carbon Emissions in 2030



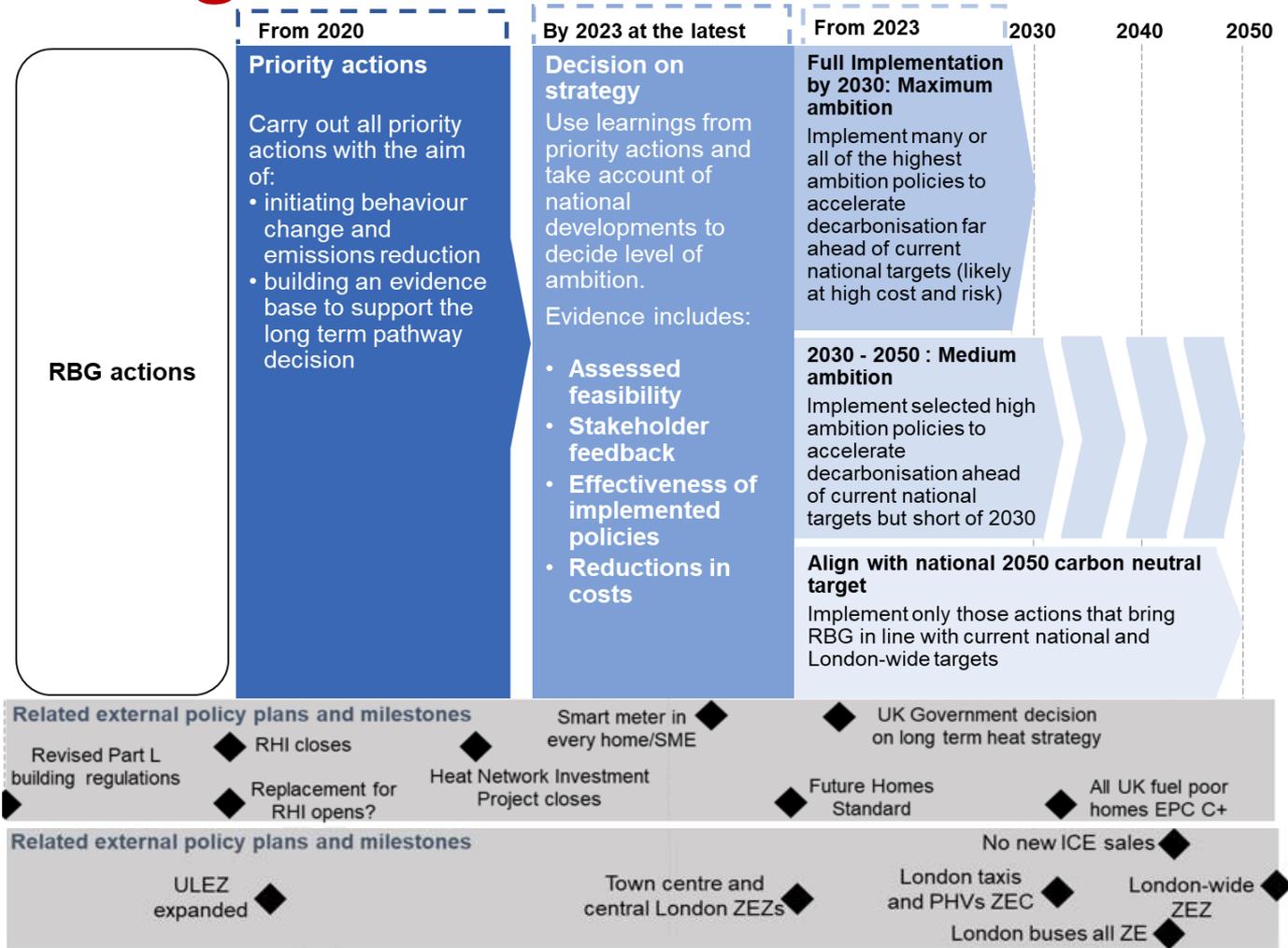
Reduction from 2015 base

27%

77%

89%

Phasing of Action



Policy Decisions

- “By 2023 at the very latest RBG would need to implement a comprehensive suite of highly ambitious policies”
- The report identifies 72 policies, related to key areas as follows:
 - 22 policies for buildings
 - 42 policies for transport
 - 8 policies for energy generation, industry, waste, etc
- Factors for this timing relate to:
 - Central & Regional Government Policy & Regulation
 - Technological & market developments
 - Trialling & monitoring of measures
 - Lead-in times
- Potential for actions to deliver significant co-benefits

Immediate Response

- “Progress towards 2030 target must start immediately”
- Immediate response is necessary to:
 - Get us started on right path
 - Demonstrate commitment
 - Commence mobilisation of residents & businesses
 - Establish which measures are most successful
- The report identifies 33 priority actions
- Some of these actions are already underway but need acceleration and/or scaling up
- Additional funding desirable in short term to secure more staff

Priority Actions

Priority Action	
<p>Buildings</p> <ol style="list-style-type: none"> 1. Set up a 'One-stop shop' for energy efficiency and low carbon heating 2. Heat pump installer training and quality assurance scheme, operating through the 'One-stop Shop' 3. Liaise with the GLA's Energy for Londoners team and in particular the Energy for Londoners Supply Company (EfLSCo) during its setup and operation 4. Initiate exemplar new build projects of LA owned or partially LA owned housing at a very high standard of energy efficiency 5. Lobbying of national government: undertake all lobbying 6. Consider opportunities for the promotion of demand side response, energy storage and smart/flexible technologies 7. Undertake baselining of RBG's direct emissions and organise/improve data on energy procurement 	
<p>Publicity Campaign</p> <ol style="list-style-type: none"> 1. Run a major publicity campaign covering all aspects of the net zero plan 	
<p>Planning Policy</p> <ol style="list-style-type: none"> 1. Explore opportunities to raise new build non-domestic carbon emissions standards above the National Planning Policy Framework 2. Update the Local Plan to state that no new gas CHP used to supply heat networks can be built in Greenwich from 2021 3. Initiate low carbon heat network schemes in cost effective and heat density appropriate locations, acting alone or in a public-private partnership 	

Priority Actions

Priority Action	
<p>Council Housing</p> <ol style="list-style-type: none">1. Retrofit all existing local authority owned homes and public buildings to Energy Performance Certificate (EPC) C+ energy efficiency standard.2. Install low carbon heating systems in all LA owned homes and public buildings where not assigned to a heat network	
<p>Waste and River Emissions</p> <ol style="list-style-type: none">1. Set strict quantitative targets for waste reduction and increased recycling2. Consider instituting separate food waste collection and anaerobic digestion3. Assess feasibility of requiring ships to turn engines off or use anti-pollution technology while in berth	

Priority Actions

Priority Action	
<p>Transport</p> <ol style="list-style-type: none"> 1. Introducing banded resident parking permits in proportion to emissions impact 2. Introducing new and extended controlled parking zones 3. Introducing a workplace levy 4. Reducing/removing on-street parking spaces in new developments 5. Reallocating existing parking spaces to car clubs 6. Reducing speed limits to 20mph on all residential roads and appropriate major roads 7. Increasing provision of both public access and business EV charge points 8. Increase use of Permitted Development rights for installing charge points 9. Creating new and improving existing cycle network infrastructure throughout the borough 10. Improvement of walking routes in town centres 11. Increasing provision of bike hangars for residents and at key transport hubs 12. Providing subsidised telematics service for local van users 13. Supporting/encouraging the formation of a Business Improvement District 14. Beginning to convert the RBG fleet to zero emission vehicles (ZEVs) where feasible 15. Assessing the feasibility of zero emissions zones (ZEZs), access restrictions, consolidations opportunities and larger cycling infrastructure projects 16. Encourage employers to conduct travel surveys and review transport policies to identify opportunities for modal shift 17. Lobbying and working with stakeholders, with a focus on policies that target improved public transport and cycling infrastructure networks and zero emission technologies 	

So far...

- The Council has already established a new Governance structure to bring together Cabinet colleagues and senior officers to drive forward work
- The Council does not have direct control over the majority of emissions sources in the borough and will need to work in partnership with stakeholders.
- The first Greenwich Partnership focused on Climate Change took place in March 2020 . The partnership will support information sharing and cross-organisational working, to initiate carbon reduction.

So far...

- The Climate Change network has also been established for local people and organisation to get involved.
- A survey of residents on the priorities on the Carbon Neutral plan actions has been conducted online, and the responses are being analysed.

Lobbying for change

- There are also vital elements of legislation and infrastructure where we will continue to lobby the Government, TFL, and others, together with other boroughs and through relevant channels, :
 - Public transport networks
 - London cycle networks
 - Minimum Energy Efficiency Standards
 - Building Regulations
 - Waste legislation and incentives
 - Support and legislation around air quality

Next Steps

- The next stage in development of the Greenwich Carbon Neutral Plan is currently ongoing investigation of feasibility of the proposed actions and the preparation of the Greenwich Carbon Neutral Plan. The draft Plan will be reported back to Cabinet once completed, and then will be subject to public consultation. This is expected later in 2020.

Any Questions?