

Dear Chris,

We welcome the CCC's Zero Carbon Economy Call for Evidence. The IPCC's Special Report on 1.50C highlighted that urgent action is needed by national governments to scale up climate commitments. The targets in the Climate Change Act urgently need to be reviewed in light of growing scientific evidence on the need for greater action to reduce carbon.

Cities are responsible for 70% of energy use globally and London and other major cities will play an important role in meeting global targets and showing leadership. The London Environment Strategy set an ambitious target for London to be zero carbon by 2050, through a series of short term carbon budgets. This will require changes to our buildings, behaviour, transport and energy systems.

We have set a route for London to achieve a 1.5C compatible trajectory to zero carbon by 2050, that relies on offsets for only around 10% of London's GHG in 2050. To do this we commissioned detailed research on energy efficiency retrofits and energy system pathways and built this work into detailed, bottom-up modelling to determine a technically feasible pathway for London to 2050 and develop carbon budgets for the next 15 years.

Across all scenarios there are low regret actions that we need to take now:

- . Retrofit London's buildings
- . Roll out district heat networks
- . Increase heat pump deployment
- . Co-ordinate roll-out of EV charge points

We also looked at the costs of energy efficiency and compared zero carbon energy systems based around decentralised energy, electrification or decarbonised gas. Importantly, analysis done for the GLA by Element Energy suggests that the overall costs of decarbonisation are similar to those under business as usual. Reaching zero carbon could reduce people's fuel bills, but would require higher investment in buildings and infrastructure.

London is already taking action. We have a range of policies and programmes to increase energy efficiency retrofits, facilitate electric vehicles and increase renewable energy capacity in London. These are set out in the London Environment Strategy. On Wednesday 12th December, we will be publishing a report summarising the approach taken to develop a 1.5C Compatible Plan, alongside the detailed modelling reports we commissioned.

This work was supported by C40's Climate Action Planning Framework development. Through this work with C40 we have access to a global evidence base on city actions.

We would like the opportunity to meet with you and share our vision and practical steps for a zero carbon London. We've identified the key decisions and actions the Government needs to take, and the timeframes required, to achieve zero carbon and we would like to share our thinking on this with the CCC. We'd also be interested to learn your views on the feasibility of reaching zero carbon by 2030.

Please can you let Carl Ridgers (cc'd) know some dates for a meeting.

Kind regards

Shirley

Shirley Rodrigues | Deputy Mayor for Environment and Energy