

Appendix A

Establishing a 1990 BFC area-wide GHG emissions baseline

we can work on projections we may be able to estimate what the borough-wide GHG emissions were back in 1990 to give us a baseline.

For the UK the ghg emissions story is:

1990 to 2020: an overall reduction of 49.7%

2005 to 2020: an overall reduction of 42.4%

For BFC (Authority wide) the story is:

2005 to 2020: an overall reduction of 47.5%

So we're not a million miles away on the LA area progress from the UK-wide progress over the same 15 year period (a difference of 5.1% better at LA level).

We could suggest that were progress on reductions between 1990 and 2005 at LA level to have matched that at UK-wide level over the same time frame then the BFC progress from 1990 to 2020 might have been a 52.6% reduction (47.5% + 5.1%).

Therefore in summary:

We know BFC in 2020 is 392.8 kT

We know BFC in 2005 was 747.9 kT

We could estimate that BFC in 1990 may have been 828.7 kT (392.8 kT represents a 52.6% reduction against 828.7 kT)

So our 68% reduction target by 2030 against that 1990 estimate of 828.7 kT would become 265 kT.

To hit that target it is roughly a 13kT reduction every year from 2021 to 2030. That is pretty much bang on the average rate of reduction seen from 2010 – 2019. (I am discounting 2020 as I think it is COVID skewed – a one year reduction of 45 kT). This may become a bit of a stretch as lots of the low hanging fruit options have clearly been taken and I'd imagine work to continually lower borough-wide emissions might prove harder over the 2020 – 2030 decade, but nevertheless it probably works as a target.