

The Council has committed to becoming a 'net zero' carbon emitter by 2030 in its 'Climate Change: Statement of Intent'. The Council programme to deliver this is the Climate Change Prospectus, and within this there are actions to reduce emissions through Carbon Management. The Council's targets are:

- **45% by 2021**
- **'at least 50%' by 2025** (baseline year 2009/10).
- **Net zero emissions by 2030**

1,990 tonnes

Total Carbon Emissions 2019/20

up 2% on previous year - remains on target
down 33% on baseline year 2009/10*

* Contract baseline year 2011/12

Delivery of Service

Amey provides a range of environmental and waste services to Solihull Metropolitan Borough Council. Their teams make almost 900,000 domestic waste and recycling collections every month to over 91,000 properties across Solihull.

They also maintain over 1.1 million metres of streets and 19 principal parks, of which 16 have received the prestigious Green Flag award.

The SEC is overseen day-to-day by the Waste and Recycling and Streetcare Teams, who also advise on the target setting for carbon reduction, which is then reviewed and endorsed by the SEC Board, who are representatives from the Council and Amey, and the Member Portfolio Holder.

Progress

Over the last 10 years a number of actions have reduced emissions, despite increases in pressures on the service. These are:

- 2011/12 – Packer plate project, reducing fuel consumption from hydraulics of the vehicles.
- 2012/13— Service review – 5 transits removed from fleet.
- 2013/14— Coventry refuelling agreement reducing mileage.
- 2014/15— Introduction of 240 litre brown wheeled bin for recycling, hence increasing efficiency of collection and reducing the number of collection vehicles.
- 2015/16— Operational improvements at the Bickenhill Household Waste and Recycling Centre operations reducing distance waste hauled.
- 2016/17— A fleet of new refuse and recycling vehicles with more efficient Euro 6 engines.
- 2018/19— Replacement of transit and caged fleet servicing Streetcare and Grounds Maintenance

Future Emissions

The current Strategic Environment contract with Amey will come to an end in March 2022. The contract is being re-tendered and through the tender process the current contract elements will be explored:

- Encourage the use of Alternative fuel or Electric vehicles to be used for the provision of all contract vehicles
- KPI related to carbon reduction performance

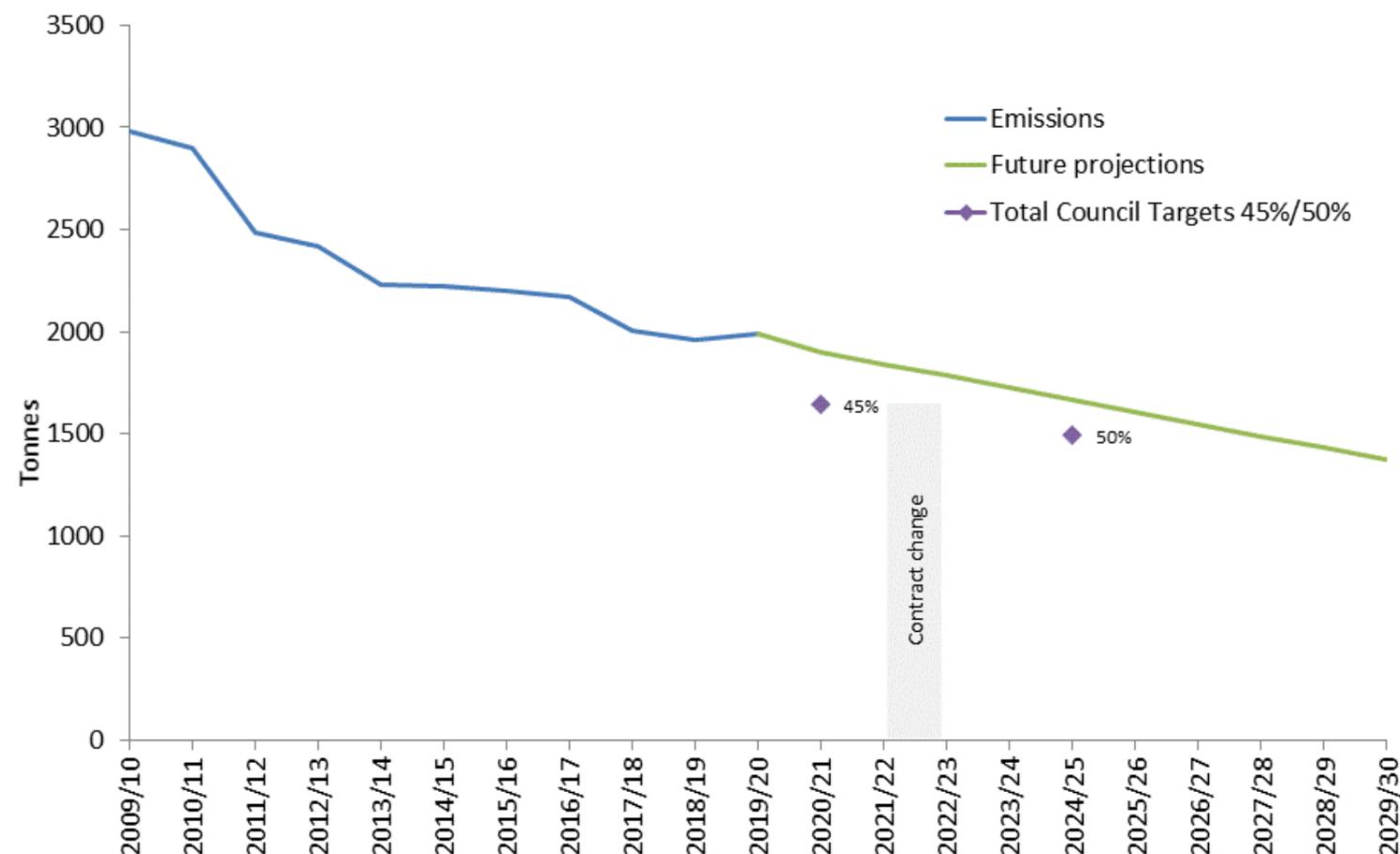
Whilst some electric vehicle options already exist there may need to be a slight delay in bringing these into use as currently the depot infrastructure does not have the capacity for charging vehicles and it is not economic to invest in sites with a limited life.

Key risks and issues

Changing climatic conditions—The service is beginning to see some fluctuations in service provision. In 2018/19 the dry early summer saw reduced mowing. In 2019 however, the mowing season continued through the winter. The break in mowing, if there is an annual one seems to be now in the summer.

Growth in the borough—There is a continuing risk of an increase in the carbon emissions due to the housing growth across

Carbon Emissions from the SEC



Solihull and the additional collections and cleansing which will need to be made as a consequence, which could be as high as 10% increase over the next decade.

Cross cutting issues

Solihull borough has recently started assessing its air quality in regard to oxides of nitrogen which is largely produced as a result of road vehicles. The operation of a fleet of large vehicles contributes to the air quality of the borough, so the investigation of alternative fuels contributes to this agenda.