

**Total Carbon Emissions 2017/18**

2,002 tonnes

down 7% on previous year

down 33% on baseline year 2009/10

\* contract baseline year 2011/12

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 91,160 properties across Solihull.

They also maintain over 1.1 million metres of streets and 19 principal parks, of which 14 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 elected members including the member with responsibility for Environment and Housing Portfolio.

**Progress**

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

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.

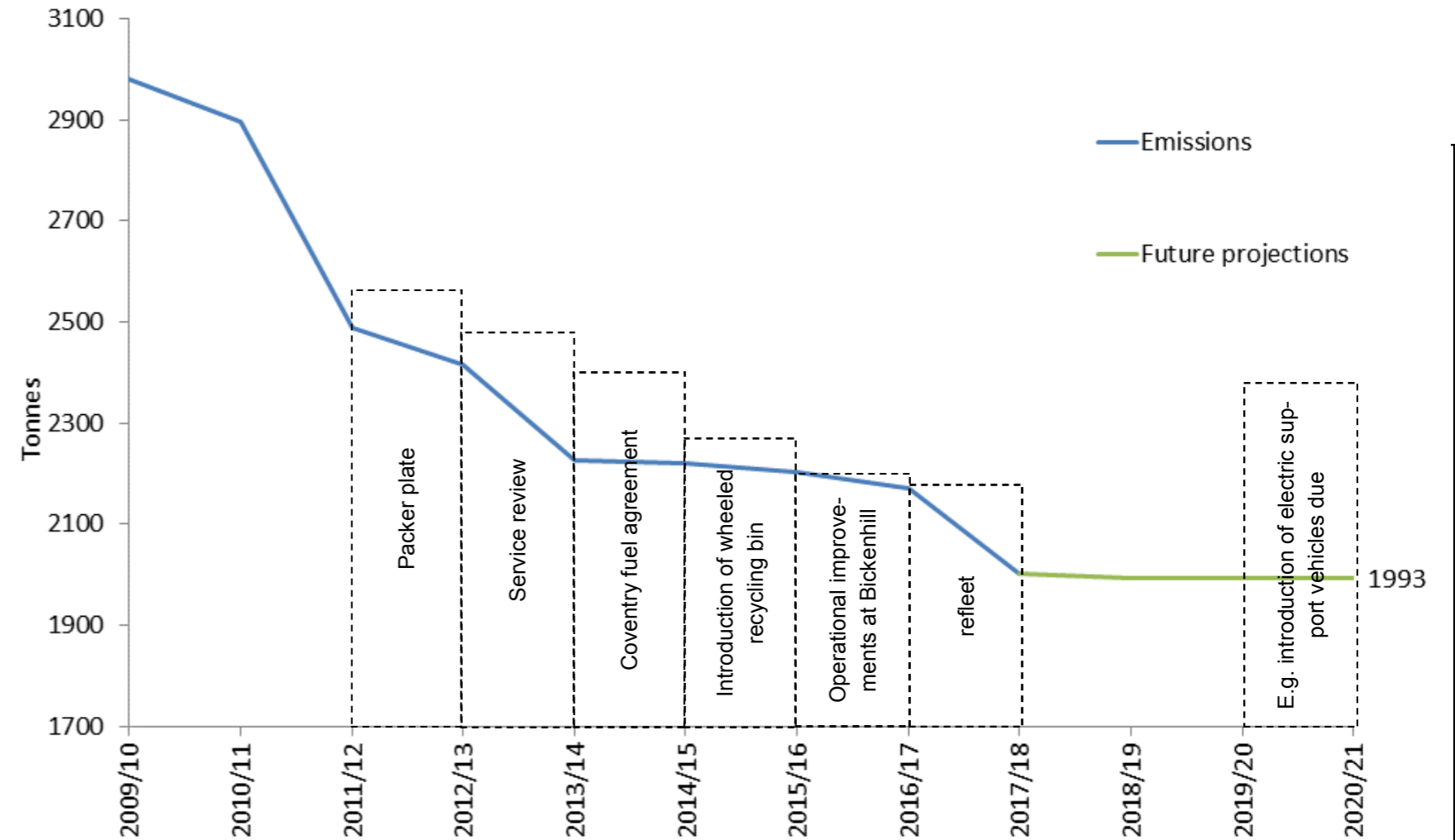
**Future Emissions**

Amey invested in replacing the refuse and recycling collection fleet which was responsible for generating the majority of the emissions during 2016/17, and have recently upgraded the Streetcare fleet and the reductions from this should be seen in 2018/19 carbon performance.

Other actions are:

- Amey's continual improvement programme.
- Opportunities to introduce electric vehicles to the Streetcare fleet delivering 10's tonnes of reduction.
- Alternative fuelling of the waste and recycling fleet (e.g. use of electric, gas or hydrogen)

**Carbon Emissions and Future Projections from the SEC**



**Key risks and issues**

However there is a continuing risk of an increase in the carbon emissions due to the housing growth across Solihull and the additional collections which will need to be made as a consequence, which could be as high as 10% 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 and the reduction in vehicle movements contributes to this agenda.