

Scottish Government Briefing – Development of the Waste Carbon Envelope – 1 March 2017

Waste

As set out in the [briefing on TIMES model constraints](#) sent to the Environment, Climate Change and Land Reform Committee on 8 February, landfill and waste management emissions are captured as their own separate sector in Scottish TIMES. The waste trajectory was modelled exogenously and entered as an input into the model. This is consistent with the approach adopted in the Agriculture and Transport sectors.

Additionally, where not diverted as a result of Circular Economy Policies, the TIMES model has the potential to use waste (both organic and inorganic) in a variety of sectors (such as industry, services or electricity generation). Potential uses of waste include its gasification to produce hydrogen. Emissions arising from these uses of waste are therefore captured within each of these sectors.

Data sources

The waste model is based on historic landfill and recycling data together with information on waste composition and projected forward using future recycling and landfill targets.

Scottish-specific sources were used for the potential availability of organic and inorganic waste resources in TIMES, based on 2011 municipal solid waste resources and future landfill and recycling targets.