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# Environment Agency Our e:Mission and Carbon Journey



# **e:Mission** targets



Reduce lifecycle carbon by 40%



Reduce supplier impact by 20%



80g CO<sub>2</sub>/km lease cars  
195g CO<sub>2</sub>/km badged



Lead and learn when managing our own risks



Reduce emissions by 45%



Use 3.5M<sup>3</sup> or less per person each year



Recover, reuse or recycle at least 90%



inc car, train and plane cut by 30%

# Carbon Planning Tool – Consists of two component parts:

## 1 Carbon Modelling Tool

- Top down whole life carbon assessment and optioneering
- Used during the project appraisal
- To enable quick assessment to selection process

## 2

## Carbon Calculator

- Bottom up whole life carbon assessment
- Incremental assessments, incrementally built up during the delivery phase
- Final carbon calculators are used to create data points within model

**Use is mandatory**

# Carbon Planning Tool reporting

## Carbon Modelling Tool

- Reported at part of appraisal phase

## Carbon Calculator

- Reported contract award
- Reported at End of Construction

## Carbon Optimisation Report

- key carbon drivers of the solution
- steps taken to reduce carbon through the design
- a schedule of carbon actions/opportunities considered prior to construction completion

## Final Carbon Report

- key carbon drivers of the solution
- steps taken to reduce carbon through the design development (where relevant)
- steps taken to reduce carbon through the construction

