

Carbon tracking and calculation

16 January 2024

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Setting the scene: client expectations



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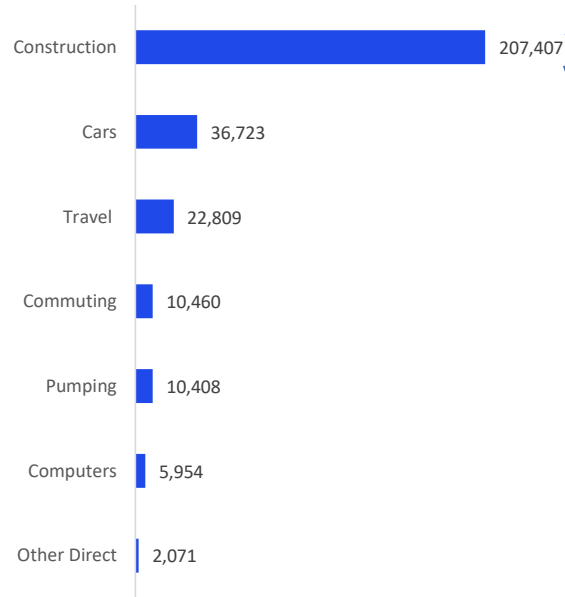
The Environment Agency: Net Zero by 2030



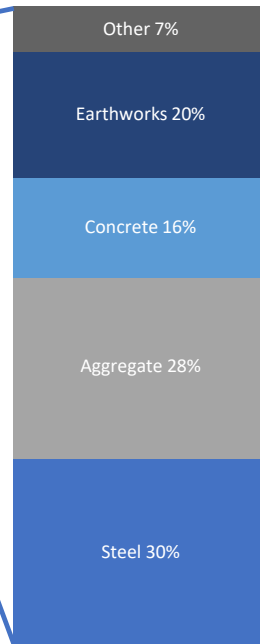
We will reduce our total carbon emissions, **including those of our supply chain, by 45% by 2030** compared to the baseline set in 2019 with a total 90% reduction by 2050

Assessment of our emissions

EA Carbon emissions 2022/23
 by source tCo2e



Construction emission by
 material type 2017/18 to
 2022/23



[ERIC \(ericenvironmentagency.co.uk\)](http://ericenvironmentagency.co.uk)



Total carbon



Tracking performance



Residual emissions



Whole-life investment

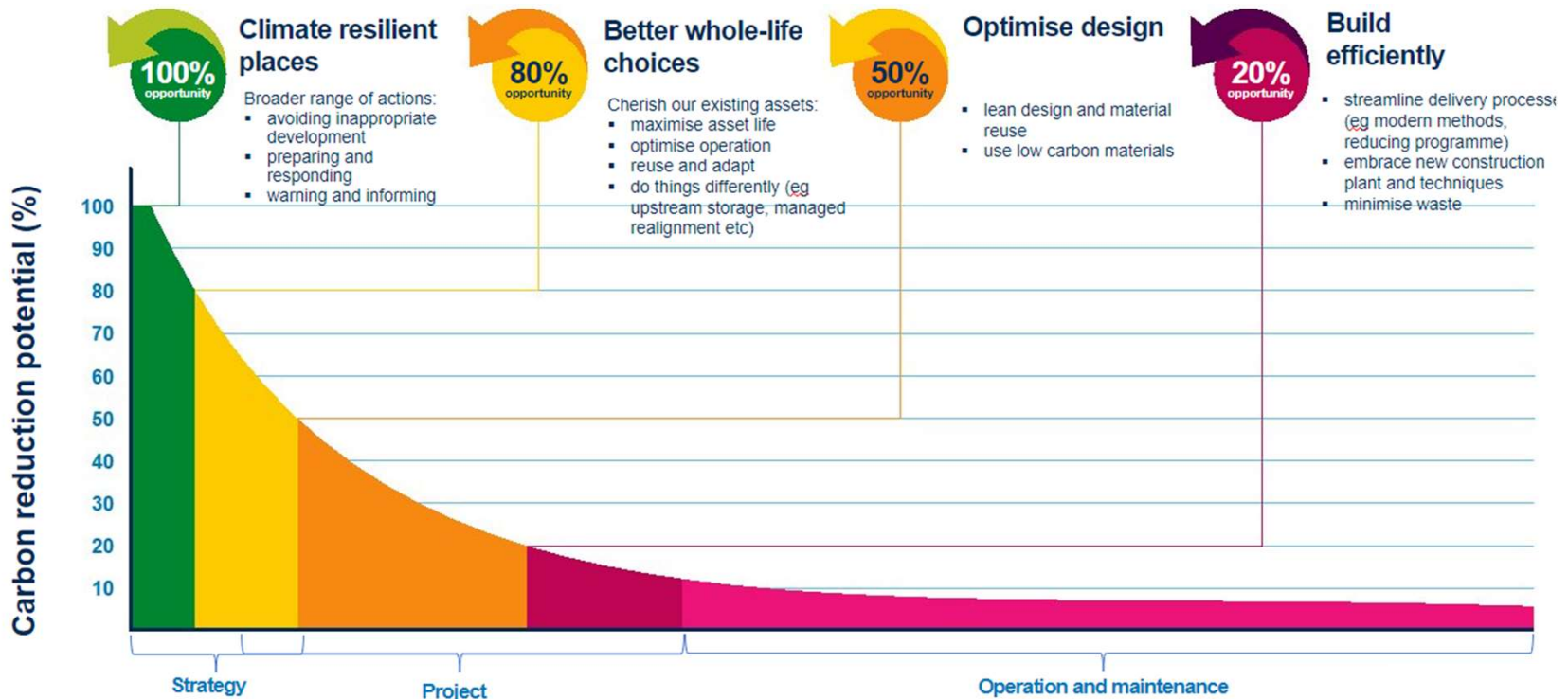


Identifying good practice and hot spots

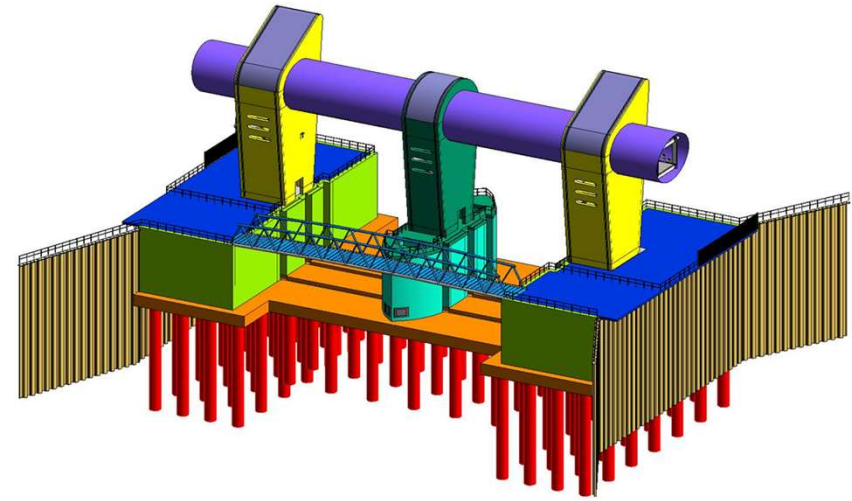
Principles:

- Treat emissions the ‘same way’ and at the ‘same time’ as costs
- Embed carbon thinking at the earliest stage
- Follow best practice in carbon assessment calculations
- Track, monitor and manage carbon at project, programme and portfolio levels

How do our project teams assess carbon?



Carbon assessment – a process not a tool



Bridgwater Tidal Barrier (BTB) Scheme is a £100m Environment Agency scheme to protect 13,000 homes and businesses from tidal flooding.

We are currently on track to achieve **50% carbon saving** compared to the baseline carbon assessment for the tidal barrier structure on the BTB scheme.



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Working with the supply chain



Collaboration

Work together on 'regional' supply chain decarbonisation plans for emissions at source and incentivise delivery



Incentivise against EA benchmarks

Use BREEAM and Carbon Assessments that require self-assessment against EA set project targets and incentivise through contracts



Accelerated Technology Deployment

Agreed a set of technologies we will invest in to deliver additional carbon and cost efficiencies

Thank you

[Net Zero Carbon – YouTube](#)

Any questions?

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