



# Emissions conflict: Scopes 1, vs 2, vs 3 vs...

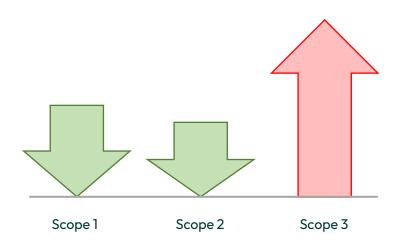
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### **Emissions Conflicts**



- Business strategy, including the reduction of Scope 1 and 2 emissions can sometimes lead to increases in Scope 3
- Effects are sometimes amplified by widely adopted spendbased methodology
- Very often organisations use their most recent emissions profile to inform next steps. Whilst this is very sensible, it is also important to consider that these are dynamic.
- Understanding how these are likely to change under BAU is important to understand where resource should be focused.





# Emissions Conflicts – Energy decarbonisation

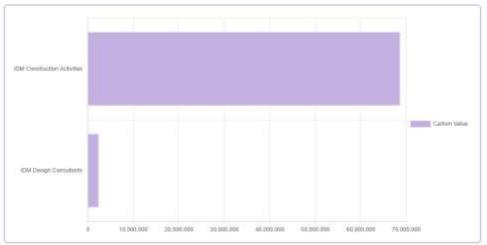
Take a decarbonisation strategy as an example, for a large estate:

For a large estate, taking account for the construction activity and the design consultancy required..

..just over 70 ktCO<sub>2</sub>e..

..over a 15-year period for delivery, average increase of 5.5% to Scope 3 emissions.









### Emissions Conflicts – Local Travel example

For a 30-capacity cycle hub, including design fees and assuming 100% use for half the working week..

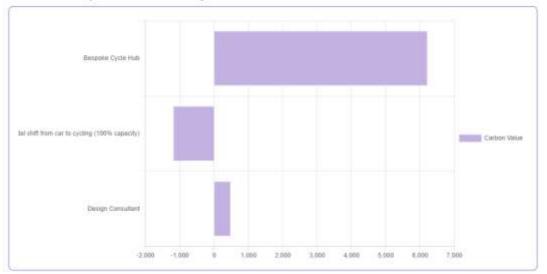
..just over 6,500 tCO<sub>2</sub>e increase in Scope 3..

..leads to an in-year saving of 1,200  $tCO_2e$ .

How do we manage expectations, such that short-term increases are justified. (And, how do we ensure they are?!)

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#### Carbon Output for Each Project Element







## **Strategic Conflicts**

- Its important to consider how strategies emerging elsewhere in an organisation are likely to impact on efforts to reduce operational impact.
- Long term strategy can sometimes mean increases in activities that see reported emissions rise, particularly across Scope 3.





**Growth Plans** 



**Estate Expansion** 





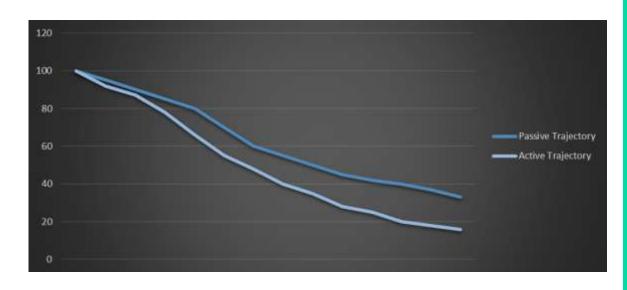
### Active vs Passive Decarbonisation



- Investment in renewables
- Electric fleet
- Modal shifts in travel
- Circular economy
- Sharing of equipment



- Grid decarbonisation
- Renewable rollout within supply chain
- Local authority sustainability initiatives



### Sustainability



Thank you.

