Green Construction Board

Infrastructure Carbon Review
The Infrastructure Carbon Review

Produced in collaboration with government and industry.

Launched on the 25th November 2013 by Lord Deighton and Michael Fallon MP.

Aimed at leaders within infrastructure organisations.

To catalyse change and release the value of lower carbon solutions.

Immediately endorsed by over 20 leading infrastructure organisations.
Statement of Endorsement
The Challenge

- Infrastructure already makes up 53% of UK emissions, this is forecast to increase to 80% by 2050.

Contribution of UK infrastructure emissions to the UK total emissions (2010)
The key message

Reduce carbon
reduce cost
The review comprises a main report that is available on the HMT website.

A second technical report is available on the ‘Green Construction Board’ (GCB) website.

Built on:
- 100+ cross sector senior stakeholder interviews
- 200+ published documents included in the literature review
- 300+ organisations contacted through surveys supported by ICE
- Data analysis from the GCB Low Carbon Routemap
## The scope of the report

<table>
<thead>
<tr>
<th>It is about...</th>
<th>It is not about...</th>
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</thead>
<tbody>
<tr>
<td>Carbon reduction</td>
<td>Other aspects of the wider sustainability agenda</td>
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<tr>
<td>Cost saving and resource/energy efficiency</td>
<td>Investing in renewables and decarbonising the grid</td>
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<td>Carbon associated with construction, operation and maintenance</td>
<td>Carbon associated with power generation</td>
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<td>Carbon that is under the control of the infrastructure sector – capital and operational carbon</td>
<td>Carbon that is not under the control of the infrastructure sector – end-user carbon</td>
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<tr>
<td>Climate change mitigation</td>
<td>Climate change adaptation</td>
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The contents of the report

- Chapter 1 sets the context of carbon in infrastructure
- Chapter 2 presents practical steps to reduce carbon
- Chapter 3 recommends actions for wider change
The message of the report

- **It reduces costs**
- It unlocks innovation and drives better solutions
- It drives resource efficiency
- It provides competitive advantage/export potential
- It contributes to climate change mitigation
“We have gained real value from lower carbon solutions. The greatest benefit comes from joining up the value chain, with the client taking the lead in defining clear ‘low carbon’ targets and being responsive to the opportunities that are offered. That’s what leads to positive sustainable outcomes.”

Chris Newsome, Director of Asset Management, Anglian Water
Aligning the value chain to deliver significant carbon reductions
The keys to releasing value

- **Leadership**
  - to create the environment and the imperative for change

- **Innovation**
  - to be the engine of change, largely within the supply chain

- **Procurement**
  - to provide the mechanisms that enable the supply chain to respond
The key recommendation

...that Government and industry clients should work together to make carbon reduction a requirement on all their infrastructure projects and programmes by 2016
The way forward

- Following the launch of the review on the 25th November:
- Endorsements of the review and future commitments from leading organisations have been made publically available
- Commitments will be followed up by the Green Construction Board
- A conference will be organised in the Spring of 2014 to further raise awareness of the review and promote action
In Summary

- If you want to:
  - Lead your organisation in reducing carbon reducing cost.
  - Understand the context of carbon in infrastructure
  - Implement steps required to reduce carbon in your organisation
  - Support recommendations required by the wider sector to reduce carbon.

- Then
  - Access the review via [www.gov.uk/government/organisations/hm-treasury](http://www.gov.uk/government/organisations/hm-treasury)

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