

## Carbon Impact Assessment Report

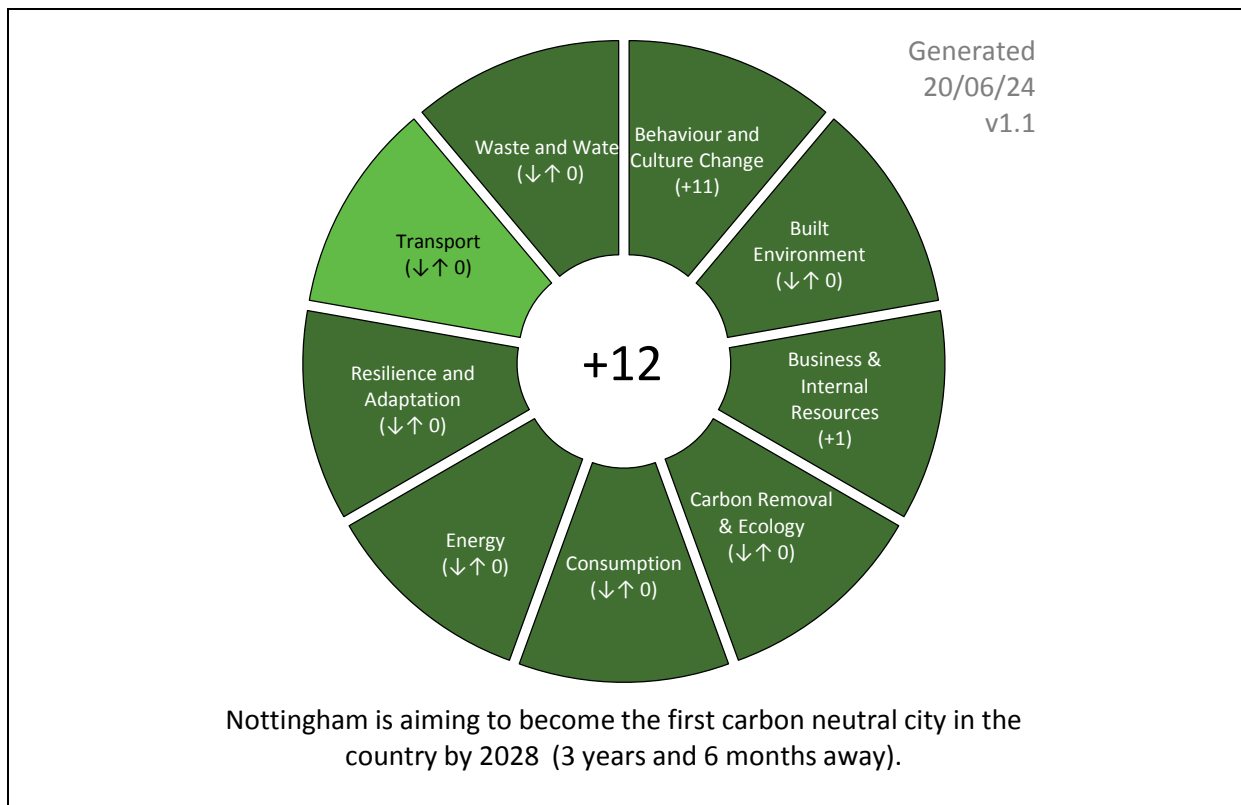
### Reduction of Carbon in New Development Supplementary Planning Document (SPD)

#### Report Details

- **Report Date:** 19 June 2024
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#### Project Notes

This Supplementary Planning Document (SPD) seeks to reduce energy demand, improve the energy efficiency and the use of renewable energy in new developments. The document (prepared jointly by Nottingham city and Broxtowe Borough Councils) supports the adopted Nottingham Local Plan by providing more detailed guidance on how development can lower emissions.



## Categories and Impact Analysis

### Carbon Impact Assessment (higher priority impacts shown in green)

#### Behaviour and Culture Change

1. **Communication & Engagement:** SPD communicates expectations and is additional mechanism to engage developers in considering sustainability measures. Suggested score of 3 as it doesn't seem a specific communications and engagement campaign will take place directly because of the SPD **Score: 3**
2. **Wider Influence:** The purpose of the SPD is to communicate the partner council's expectations and seek to influence developers to be more ambitious in embedding sustainability measures into construction. Impact is primarily as a communications tool, so this section can be scored highly **Score: 5**
3. **Working with Communities:** This section relates to work with communities, rather than stakeholders in general. Working with stakeholders considered in 'working with partners' section. Don't score here unless direct and specific citizen engagement of the SPD planned **Score: 0**
4. **Working with Partners:** Working in partnership with BCC to combine influences **Score: 3**

#### Built Environment

1. **Building Construction:** The SPD is a guidance document, therefore direct impact on construction not guaranteed **Score:0**
2. **Building Use:** This CIA relates to a guidance document, and therefore building use can't be directly attributed **Score: 0**
3. **Switching Away from Fossil Fuels:** This CIA relates to a guidance document, and therefore switching away from fossil fuels can't be directly attributed. **Score: 0**

#### Business & Internal Resources

1. **Developing Green Businesses:** This is speculative, but as developers will need to seek guidance on technical viabilities of sustainability measures as part of the consideration process will score as low impact . **Score: 1**
2. **Marketable Skills & Training:** No explicit direct impact. **Score: 0**
3. **Sustainability in Business:** The SPD is a construction guidance document; therefore, business sustainability practice can't be attributed to this. **Score: 0**
4. **Material / Infrastructure Requirement:** Resource use can't be directly attributed to the SPD **Score: 0**

#### Carbon Removal & Ecology

1. **Carbon Storage:** As no guaranteed impact from the guidance. **Score: 0**
2. **Biodiversity & Ecology:** Can't attribute impact from other local and national policy here, as no guaranteed impact from the guidance. **Score: 0**
3. **Bee-Friendly City:** The guidance does not hinder having a bee-friendly city. **Score: 0**

4. **Carbon Offsets:** Carbon offsets are last resort additional actions to reduce emissions that cannot be reduce further with currently available technologies..  
**Score: 0**

## Consumption

1. **Food & Drink:** Not applicable. **Score: 0**
2. **Products:** Not applicable. **Score: 0**
3. **Services:** Not applicable. **Score: 0**
4. **Local and Low-Carbon Production:** Not applicable.. **Score: 0**

## Energy

1. **Local Renewable Generation Capacity:** Not applicable.. **Score: 0**
2. **Reducing Energy Demand:** Not applicable.. **Score: 0**
3. **Improved Energy Storage:** Not applicable. **Score: 0**

## Resilience and Adaptation

1. **Green / Blue Infrastructure:** Not applicable.
2. **Natural Flood Management:** Not applicable. **Score: 0**
3. **Drought Vulnerability:** Not applicable. **Score: 0**
4. **Flooding Vulnerability:** Not applicable. **Score: 0**
5. **Heatwave Vulnerability:** Not applicable.. **Score: 0**

## Transport

1. **Staff Travel Requirement:** Not applicable. **Score: 0**
2. **Decarbonising Vehicles:** Not applicable. **Score: 0**
3. **Improving Infrastructure:** Not applicable.. **Score: 0**
4. **Supporting People to Use Active Travel:** Not applicable. **0**
5. **Reduced Need to Travel:** Not applicable.. **Score: 0**

## Waste and Water

1. **Single-Use Plastic:** Not applicable. **Score: 0**
2. **End of Life Disposal / Recycling:** Not applicable. **Score: 0**
3. **Waste Volume:** Not applicable. **Score: 0**
4. **Water Use:** Not applicable. **Score: 0**

## Summary

The Carbon Impact Assessment of the SPD reveals that while it has strong potential in influencing developers and setting a positive example (particularly in communication and engagement), it does not have direct impacts on many specific aspects of construction, business sustainability, or ecological measures. The overall scores reflect its role primarily as a guiding and communicative tool rather than an operational one.