

Matrix to Assess Climate Change Impacts

Aim is to reduce Carbon Emissions (CO2) by 80% by 2050	Positive impact	Negative impact	Mitigation measure	Effect on CO2 emissions (+ or - tonnes of CO2)	Opportunity to promote
Water Water Use and Flooding	N/A	N/A	N/A	N/A	N/A
Energy Energy efficiency and energy saving in buildings, including opportunities for installation of renewable energy generation	N/A	N/A	N/A	N/A	N/A
Air Air quality, pollution		CO2 from vehicle's emissions	Provider will be required to plan routes in the most sustainable way		The specification states providers may move toward electric vehicles, but this is not possible within the contract financial envelope.
Waste – reducing, reusing and recycling waste	N/A	N/A	N/A	N/A	N/A
Land Use of brown-field and green-field sites	N/A	N/A	N/A	N/A	N/A

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Bio-diversity Effects on bio-diversity including green space, trees, rivers and streams		CO2 from vehicle's emissions	Provider will be required to plan routes in the most sustainable way		The specification states providers may move toward electric vehicles, but this may not be possible within the contract financial envelope.
Transport Travelling to deliver service. Discouraging car use and encouraging walking, cycling and use of public transport		CO2 from vehicle's emissions	Alternative transport will be encouraged, including independent travel training, however, this is not possible for all young people/children due to nature of their needs		Independent travel training will be encouraged for young people/children where possible. This includes the use of public transport and walking.
Buildings Adaptability of buildings to heat or flooding. Use of green roofs, rainwater harvesting etc.	N/A	N/A	N/A	N/A	N/A

Commentary on any differences in financial costings for climate change mitigation / adaptation measures including energy efficiency and potential external grant sources
The contract is for the supply of transport for eligible young people/children who require assistance to attend educational establishments. Due to the complex nature of need, for some people, there is no other option. The financial envelope for the contract is unlikely to be sufficient for providers to use an electric vehicle fleet but it has been encouraged within the specification.
Potential “whole life costing” savings ie: increased installation costs will achieve running cost savings over lifetime; including reduced use of resources eg: water saving devices
Use of electric vehicles encouraged where possible but the availability of suitable vehicles and the increased cost will impact on this.
Explanation of Proposal chosen in context of results matrix assessment, including what mitigating steps can and have been taken
Young people/children will be encouraged to attend independent travel training if appropriate. This may result in some young people using public transport or walking to educational establishments. However, this is likely to be a small percentage and new children are being eligible for the service throughout the year.
<u>Total Tonnes of CO2 & DEC rating of building to be occupied:</u> TO BE QUOTED DIRECTLY IN CABINET REPORT

