

National Guidance/Policy	Climate Change Act 2008 - policy framework to reduce domestic emissions and ensure the UK adapts to climate change. Commitments to produce a UK <i>Climate Change Risk Assessment</i> to identify risk followed by a <i>National Adaptation Programme</i> to address those risks every five years.	Net Zero Strategy: Build Back Greener October 2021 pursuant to Section 14 of the Climate Change Act 2008	Climate change adaptation: policy information August 2022 DFE/RA
Department for Education Guidance	<a href="#">Employer's Requirements for the DfE Contractors Framework 2021 and the Offsite Schools Framework MMC</a> and set out the general conditions a technical requirements for school construction projects. They are set out in Part A: General Conditions, Part B: Generic design brief and technical annexes.	Technical Annex J: Sustainability  All new buildings shall achieve Net Zero Carbon in Operation at handover. Off-site off-setting is not permitted. Where a school site meets all OS requirements but site specific items or constraints mean NZC in Operation is not achievable a clear roadmap to 2050 should be provided to the Responsible Body as part of the Sustainable Estate Strategy. Zero Carbon in operation reporting shall be part of the development of the project at each RIBA stage. For new buildings the contractor shall report on embodied carbon in construction	<a href="#">Addressing Climate Change Across Education Settings: The DfE Output Specification 2021 (OS21)</a> embeds net zero carbon in operation and climate resilience.
CCC Policy	Climate Emergency declared in May 2019. CCC Vision for Net Zero Cambridgeshire 2045: We will live in climate adapted and zero carbon homes. Our lives will be powered with 100% renewable energy. Our Communities will be resilient to the impacts of climate change and will have space for nature to thrive. Our health will be better and we will have easy access to sustainable, local transport and green space. We will be able to access affordable low and zero carbon products and services. Climate and Environment Strategy 2022 - Action Plan - Items 5 (new buildings), 51 (decarbonisation of existing schools), 55 (educating children)	Nearly Zero Energy Buildings (NZEB) for all new buildings to comply with Building Reg changes from 01.01.19 for new buildings owned and occupied by public authorities. (reg 25B of Building Regulations 2010). Circular letter dated 14.01.2019 states that, "following the existing Building Regulation guidance and relevant Government procurement policies would be an adequate way to demonstrate compliance with the nearly zero energy building requirement". General Purposes Committee meeting in Dec. 2019 recommended a policy to achieve compliance by a) achieving at least 6 BREEAM energy credits b) design building to achieve an EPC rating of A or better. c) installing on site energy renewable sized to meet more than 80% of the building's expected energy use.	Corporate Priorities 2002/23. 1. Environment and Sustainability. We are committed to tackling climate change and sustainability, so we will take proactive measures in moving forward the net zero target for CCC towards 2030. Promote biodiversity in Cambridgeshire and increase our county's natural capital. Ensure all spending and investment decisions consider net zero to reduce carbon emissions and environmental criteria have equal weighting to social and financial criteria in all our contracting. Work with partners to respond to changes in Government strategy around waste, promote a circular economy and more sustainable waste management practices. Build climate resilience into our service delivery and infrastructure.

Notes on DfE OS21 Annex J requirements	Notes on CCC Policy
Responding to climate change through mitigation and reducing carbon emissions to zero by 2050.	<b>Action Plan Item 5:</b> Develop and deliver a programme to ensure all new Council buildings, extensions, and retrofits: - Are designed to the highest appropriate energy efficiency standards, incorporating renewable generation where possible to deliver Near Zero Energy Buildings standards; - Are resilient to extreme weather events - Are fitted with appropriate passive building adaptations (e.g., shutters or green infrastructure rather than air conditioning) and nature-based solutions - priorities and deliver 20% biodiversity net gain. - Minimise water waste and make use of grey water systems where possible - Reduce embodied carbon emissions by designing out carbon in construction and choice of materials.
Sustainable approach to design, construction, production and operation of schools which a) put the long term needs of school users at centre of decisions. b) future proof against risks of climate change. c) healthy and productive whole school setting (biodiversity net gain). d) low energy fossil free building. e) calculate and report on embodied carbon in construction at key stages. Urban Greening Factor (UGF) should be used to determine amount of green cover on the site. Minimum UGF of 0.35	<b>Action Plan Item 51:</b> Work with schools to support their decarbonisation and improve environmental outcomes, including: - Support schools to retrofit buildings to improve energy efficiency and offering finance mechanisms including lifecycle heating and hot water replacements in schools to be fitted with low carbon solutions, offering energy performance contracts and heat agreements - Encourage purchasing of 100% renewable electricity - Encourage schools to utilise a full range of waste disposal options (e.g. providing recycling to students) - Provide guidance and advice to all schools to enhance and manage their sites for natural capital, such as SuDS and biodiversity enhancement, including tree planting
Design development shall clearly evidence the analysis of differing site contexts, future weather patterns across the differing climate scenarios and be tested with consideration of whole life impact. An options appraisal shall be undertaken using best practice industry standard metrics. benefits and impacts to be transparently reported to enable the employer to make informed decisions.	<b>Action Plan Item 55:</b> Climate and Environment Education: Work with education teams and schools to deliver key messages to children on climate change, biodiversity, waste and recycling, and what children (and their families) can do to help.
School's operational costs (energy and maintenance) are not adversely affected by the selection of low carbon plant and equipment	
Contractor to identify flood risk asst profile of the site. Where there is any risk a full flood risk asst should be carried out. A whole site SuDS shall be developed. Swales take precedence over attenuation and ponds.	
Sites shall demonstrate an increase in the level of greening across the site to achieve a bio diversity net gain. Urban Greening Factor (UGF) should be used to determine the amount of green cover across the site. Every site must achieve min of 0.35 UGF. Across all sites free cooling benefits of vegetation to protect comfort levels inside the building (particularly on top floor) via microclimate created by shading trees, planted structures, green roofs.	<a href="#">Urban Greening Factor - what is it?</a>
New buildings shall be future proofed to avoid the risk of over-heating. Demonstrate compliance with a 2 degree global warming scenario weather file. Designs shall demonstrate that they able to adapt to overcome overheating when assessed against a 4 degree global warming scenario weather file without needing changes to the super structure. Matters associated with future-proofing shall be clearly reported within the School-specific Sustainable Estate Strategy	<a href="#">School Specific Sustainable Estate Strategy will communicate the Strategic approach for the development of the whole site up to 2050</a> <a href="#">b. capture information gathered during the development of the Project Brief to</a> <a href="#">c. inform the future development of the site to meet the ambition of climate resilience and net zero carbon up to 2050 to initially inform the project brief as well as define a longer-term development plan for the Responsible Body</a> <a href="#">d. support Good Estate Management in Schools (GEMs) and future plans for funding applications for condition and energy efficiency improvements.</a>
The contractor shall design and construct the new facilities to meet the Energy Use Intensity (EUI) targets. The values shall be achieved before the application of renewable technology.	<a href="#">Energy Use Intensity Targets - what are they?</a>
Roof coverage of PV panels and green roof systems - mandatory	