

Climate Change, Sustainable Design, Construction and Energy SPD

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Introduction

- 1. DPDs and SPDs
- 2. Local plan policies
- 3. The SPD
- 4. The sustainable design and construction guide
- 5. Questions





Development Plan Documents (DPDs)

The Development Plan:

- Local Plan (LPSS and extant 2003 LP policies)
- South East Plan Policy NRM6 (SPA and SANGs)
- SCC Waste and Minerals Plans
- Neighbourhood Plans

Planning decisions must be taken in accordance with the development plan unless material considerations indicate otherwise





DPDs vs. SPDs

Development Plan Document (DPD)

- Part of the Development Plan
- Starting point for decision makers
- Establishes policy that sets a vision and a framework for future development
- Minimum 2x6-week consultations
- Subject to examination by SoS
- Adopted by Full Council

Supplementary Planning Document (SPD)

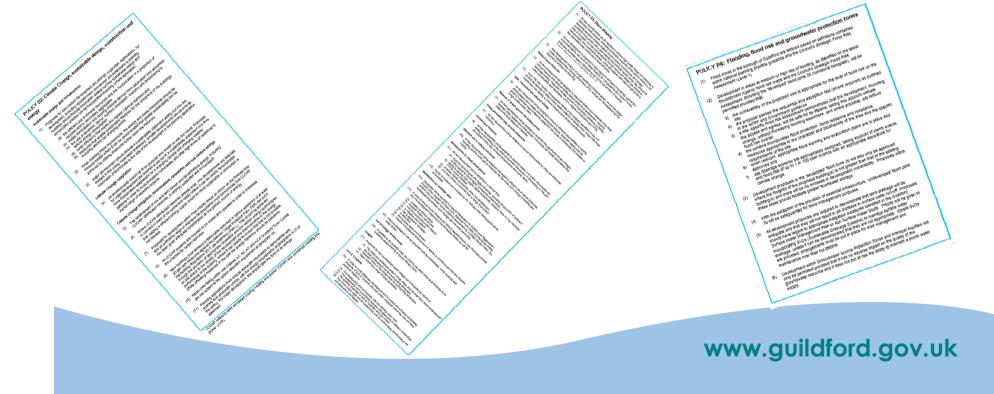
- Not part of the Development Plan
- Material consideration
- Provides guidance for policy, adds further detail, but does not create policy
- Minimum 1x4-week consultation
- Not subject to examination by SoS
- Adopted by Executive



Local Plan policies covered by the SPD

Local Plan: Strategy and Sites 2015-2034:

- Policy D2: Climate Change, Sustainable Design, Construction and Energy
- Policy D1: Place shaping (paras (2) and (10))
- Policy P4: Flooding, flood risk and groundwater protection zones (para. (5))





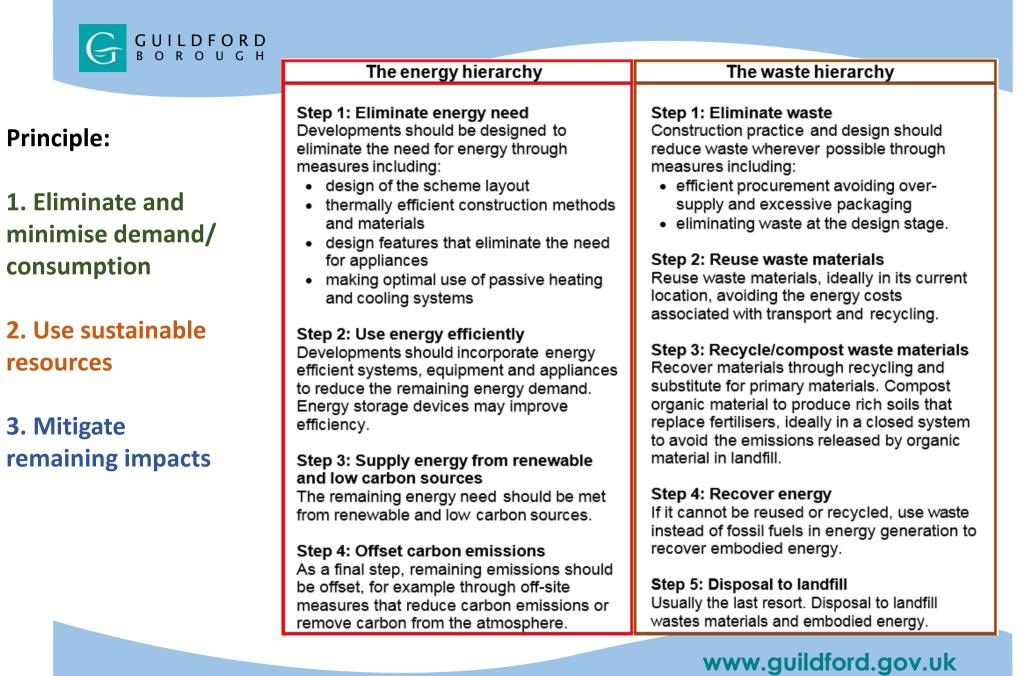
Policy D2: Climate Change, Sustainable Design, Construction and Energy:

Climate change adaptation Energy

- Fit for for current climate/weather
- Resilient to full range of
 expected climate
 change impacts
- Supports low/zero carbon energy
 - Some developments must consider
 CCHP/heat networks
 - All new buildings must be at least 20% better on carbon emissions except town centre retail

S. Design and construction

- Efficient use of minerals
- Minimisation of C&D waste
- Water efficiency
- Low energy design
- Enable sustainable lifestyles (EV points)
- Development should
 follow waste and energy
 hierarchies



Local plan page 108



Policy D2 Submission requirements

	Major Development (10+ homes/1000+ sqm employment floorspace)	Non-major development
Sustainable design and construction/ climate change adaptation	Sustainability statement	"Proportionate information"
Low carbon energy/ carbon emissions	Energy Statement	"Adequate information"





Policy D1: Place shaping (paras (2) and (10))

- All new development to perform positively against Building for Life guidance
 - Industry standard for new design
 - Limited coverage of energy efficiency
- Efficient use of natural resources, maximise passive solar gain

Policy P4: Flooding, flood risk and groundwater protection zones (para. (5))

- Prioritises SuDS for surface water management
- Mitigate heavy rainfall events





The SPD



Aims of the SPD

- Improve compliance with policy
 - Clarifies what the policy is seeking to achieve
 - Clarifies the scope and level of information needed to demonstrate compliance
- Better decision making process
 - Applicants and decision makers know what is expected
 - Avoid delays
- Get better development outcomes
 - Compliance with policy
 - Includes a sustainable design and construction guide



<u>Parts 1 – 3:</u>

- Introduction
- Summary of policy
- Overview of information that must be submitted in support of planning apps





Part 4: Energy statements (major development)

- Very common practice in industry
- Can be very extensive documents
- Can still be non-compliant with policy

The SPD:

- Aligns energy statements with policy D2 5-10
 - Method for calculating carbon reductions
 - Clarity on percentage carbon reduction
 - Shows balance between energy efficiency and low carbon energy
 - Modelling outputs, SAP/SBEM
- Summary for decision makers





Part 5: Sustainability statements (major development)

- Less common than energy statements
- Less guidance nationally than for energy statements
- Content varies
- Submission has not been consistent

The SPD:

- Aligns sustainability statements with D2 paras 1, 2 and 4, D1 and P4
- Specifies the matters that statements must cover
- Part 5 includes a standalone "sustainable design and construction guide" (see later)





Part 6: Non-major developments

Lower bar for information but covers same ground

- "Adequate information" covering sustainable design and construction and climate change adaptation - often very limited information
- "Proportionate" energy information sometimes not conclusive

The SPD:

- Sets the level of information that should be submitted
- Offers questionnaire as an alternative to producing documents (Appendix 1 of SPD)
 - Covers all policy matters, easy to complete
 - Simplified table for carbon reduction calculation
 - Refers back to the Sustainable Design and Construction Guide





- Standalone document within SPD
- Content aligns with a policy
- Provides guidance on best design and construction practice
- Based on guidance from reputable bodies and internal practitioners





The energy hierarchy (p.23)

- Reiterates energy policy
- Aligns with idea of "fabric first"
- Guidance for offsetting in zero carbon schemes





Site layout, landscaping and urban form (p.24)

- Layout
- Shading
- Topography
- ...

Building design (p.25)

- Passive solar gain (orientation, internal layout etc.)
- Passive ventilation
- Overheating
- Natural light



Water efficiency (p.26)

- Reiterates "optional building regulation" for homes
- Confirms general requirement applies to all development
- Guidance on demand reduction, harvesting and grey-water





Climate change adaptation (p.28)

- Sets out expected climate impacts:
 - Hotter, drier summers, heatwaves
 - Wetter winters, heavy rainfall
- Sets out potential adaptations
- Urban heat island
- SuDS



Measures that enable sustainable lifestyles (p.30)

- Low carbon transport
- Designing out energy need (non-regulated)
- Smart energy
- Recycling storage
- Community food growing





Resources, materials and waste (p.32)

- Efficient use of minerals
- Reuse and recycling
- Responsible sourcing
- Embodied carbon
- Waste reduction and Site Waste Management Plans



Building for life (p.35)

- Mainly about good design (character, transport, security...)
- Traffic light system for 12 criteria
- Limited reference to solar gain and overheating





Any questions?