

Climate Change Report for 2A Lower Gower Road

Principle	Relevant Core Strategy Policies	Objective	Expected Measures	Has this been considered in the planning application submission? (Yes/No/ Not Applicable)	If Yes please signpost to relevant information within planning application submission (e.g. Layout Plans, Planning Statement with paragraph/page/ plan reference) If No or Not Applicable (N/A) please state justification for this
Increasing accessibility - Reducing the need to travel by private car	CS.2 (Climate Change and Sustainable Construction)	V.3.1 Density and Mixed Uses	Design to allow for future adaptation of buildings / extensions including technological adaptation	Yes	Open plan layout allows for easy alterations in the future Timber stud partitions will allow easy adaptations and improvements
	CS.9 (Design and Distinctiveness)		Other:		
	AS.1-9 (Area Strategies)	V.3.2 Permeability / Walkability	Provision of habitable rooms facing the street at ground floor level with appropriate windows and doors to provide activity and allow for natural surveillance	Yes	Two bedrooms face the street and have a large window for visibility
	AS.10 (Countryside & Villages)		Other:		
	CS.19 (Housing Mix and Type)	V.3.3 Integrated Active Travel	Not applicable		
	CS.25 (Healthy Communities)				
	CS.26 (Transport & Communications)	V.3.4 Cycling	Cycle parking / storage	Yes	Cycle Storage in front porch or garage
			Other:		
		V.3.5 Planning for the car	Use of electric vehicle/cycle charging points	Yes	Each bunaglow will have a car charging point
			Other:		

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Improving energy efficiency	CS.2 (Climate Change and Sustainable Construction) CS.3 (Sustainable Energy) CS.7 (Green Infrastructure) CS.9 (Design and Distinctiveness)	V.4.1 Reducing the need for energy	Window positioning	Yes	Has been centred on room and will have U value of 1.2 or better
			Use of planting to provide shade in summer	Yes	Planting in front of windows to be retained
			Natural ventilation and easy to regulate ventilation (air tight when needed)	Yes	All windows to have trickle vents
			Private outdoor space for food growing	Yes	Gardens will have vegetable patch area
			Other:		
	CS.19 (Housing Mix and Type) AS.1-9 (Area Strategies) AS.10 (Countryside and Villages) CS.25 (Healthy Communities)	V.4.2 Using energy more efficiently	Using a higher level of insulation than required by Building Regulations	Yes	Definitely, 125mm Extratherm 32 in the walls and 400mm loft roll will be better than building regs by 50%
			Solar/low energy internal and external lighting (e.g. LED lightbulbs)	Yes	All lighting is LED low energy Solar thermal for hot water production
			Other:		Target is B rating minimum for EPC
		V.4.3 Using renewable energy	Renewable energy sources such as solar panels or heat pumps	Yes	Air Source Heat Pump, 6kw of solar panels, 4kw inverter and 10kw of battery storage
			Other:		

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Mitigating flood risk	CS.2 (Climate Change and Sustainable Construction)	V.6.1 Sustainable Urban Drainage Systems (SUDS)	SUDs such as raingardens	Yes	SUDS report shows attenuation tank All hard landscaping surfaces to be permeable
			Other:		
	CS.4 (Water Environment & Flood Risk)	V.6.2 Water Efficiency and Rainwater harvesting	Rainwater collection such as water butts	Yes	Rainwater butt to be installed on the rear elevation of each plot
			Other:		
	CS.6 (Natural Environment)	V.6.3 Flood Risk Design Principles for New Development	Use of permeable surfaces for hard surfacing and car parking areas	Yes	All hard landscaping to be permeable
	CS.7 (Green Infrastructure)		Planting e.g. green/brown roofs, walls and green verges, blue roofs	Yes	Existing Garden to be largely retained including shrubs and turfed areas
	CS.9 (Design and Distinctiveness)		Other:		
	AS.1-9 (Area Strategies)				
	AS.10 (Countryside & Villages)				
	CS.25 (Healthy Communities)				

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Mitigating biodiversity loss	CS.2 (Climate Change and Sustainable Construction)	V.7.1 Bio-enhancing existing green space	Using different varieties of native species for landscaping		
			Other:		
	CS.6 (Natural Environment)	V.7.2 Background wildlife capacity	Green/brown roofs and wall climbers		
			At least one of the following: bird/bat boxes/ amphibian kerbs/ hibernacula/ hedgehog holes/ hedgehog homes/garden ponds.		
			Other:		
	CS.7 (Green Infrastructure)	V.7.3 Local wildlife nodes and blue / green corridors			
	CS.9 (Design and Distinctiveness)				
	AS.1-9 (Area Strategies)				
	AS.10 (Countryside & Villages)				
	CS.25 (Healthy Communities)	V.7.3 Local wildlife nodes and blue / green corridors	Green/brown/blue roofs or walls	No	
			Private outdoor space		
			Other:		