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Appendix A: SA Methodology Information

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Table 1: SA Scoring System

Symbol	Nature of effect
L	Local
D	District
N	National
ST	Short term
MT	Medium term
LT	Long term
++	Very positive
+	Positive
0	Neutral
-	Negative
--	Very negative
P	Permanent
T	Temporary

Table 2: SA Objectives and Assessment Criteria

Sustainability Appraisal Objective	Decision making (Appraisal) questions	Decision making criteria for sites
1. Minimise the irreversible loss of undeveloped land and productive agricultural holdings and encourage the recycling/reuse of onsite resources to minimise the impacts on the environment and safeguard resources for the future generations.	Will it use land that has been previously developed?	Site includes a house or garden/previous use (y=+, n=0)
	Will it use land efficiently?	Close to the settlement boundary/ brownfield/ not using high grade agricultural land
	Will it protect and enhance the best and most versatile agricultural land?	Grade 1,2,3 (y=-, n=+)
	Will it use brownfield land?	NPPF definition (exclude garden) (y=+, n=0)
	Will it recycle on site resources?	Dependent on type and design of development, not location.
2. Limit water consumption to the capacity of natural	Will it reduce water consumption?	Dependent on type and design of development, not location.

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processes and storage systems and maintain and enhance water quality.	Will it conserve groundwater resources?	Would the development of the site have the possibility to harm a protected aquifer (y=-, n=+)
	Will it maintain or enhance water quality?	Dependent on type and design of development, not location.
3. Ensure the sustainable reuse of water to accommodate additional growth and development with minimal impacts on water quality.	Will it reduce water consumption?	Dependent on type and design of development, not location.
	Will it conserve groundwater resources?	Would the development of the site have the possibility to harm a protected aquifer (y=-, n=+)
	Will it maintain or enhance water quality?	Dependent on type and design of development, not location.
4: Minimise the production of waste and support the recycling of waste.	Will it reduce waste?	Dependent on type and design of development, not location.
	Will it re-use waste?	Dependent on type and design of development, not location.
	Will it enable composting of waste?	Dependent on type and design of development, not location

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	Will it enable recycling of waste?	Is the site 2km from a household waste recycling plant? (y=+, n=0)
	Will waste be recovered in other ways for other uses?	Dependent on type and design of development, not location.
	Will it increase waste going to landfill?	Dependent on type and design of development, not location.
	Will it encourage the re-use and recycling of aggregates?	Dependent on type and design of development, not location.
5. Reduce contributions to climate change and localised air pollution.	Will it lead to an increased proportion of energy needs being met from renewable sources?	Dependent on type and design of development, not location.
	Will it reduce the emissions of greenhouse gases by reducing energy consumption?	Dependent on type and design of development, not location.
	Will it improve air quality?	Is it in a AQMA (y=-, n=0)
	Will it reduce traffic volumes?	Is it within 300m of convenience shopping ? Is it within 800m of a school?(y=+, n=0)
	Will it support travel by means other than single occupancy car?	Is the site within 800m of a bus stop (y=+, n=0)

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6. To adapt to climate change and avoid, reduce and manage flood risk.	Will it increase risk of flooding?	Is the site within an EA flood zone 2 or 3 or a SFRA defined flood zone (1 in 100yr risk)? (y=-, n=+)
	Will it contribute to a higher risk elsewhere?	Is the site adjacent to an EA flood zone 2 or 3 or a SFRA defined flood zone (1 in 100yr risk)? (y=-, n=+)
	Will it attenuate the flow and run off of water?	Dependent on type and design of development, not location.
7. Protect, conserve, enhance and expand biodiversity and promote and conserve geodiversity.	Will it protect, maintain and enhance sites designated for their nature conservation interest?	Would it result in the direct loss of all or part of the designated site? Is the site adjacent to a designated site? (SPA, SAC, Ramsar, HRA) (y=-, n=+)
	Will it conserve and enhance species, diversity and green, infrastructure and avoid harm to protected species?	Will it involve the loss of a Norfolk Biodiversity Action Plan Habitat (County Wildlife Site)? (y=-, n=+)
	Will it promote and conserve geodiversity?	Will it involve the loss of trees and hedgerows? (y=-, n=+)
8. Protect, enhance and increase Green Infrastructure in the	Will it protect the district's infrastructure?	Will it interfere with connectivity of habitats (consistent with Norfolk Econets project) (y=-, n=0)

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District.	Will it enhance the district's infrastructure?	Will it enhance connectivity of habitats (consistent with Norfolk Econets project) (y=+, n=-)
	Will it facilitate the creation of new Green Infrastructure which will improve links and corridors between open space?	Dependent on type and design of development, not location.
9. Maintain, enhance and preserve the distinctiveness, diversity and quality of landscape and townscape character.	Will it maintain and enhance the distinctiveness of landscape and townscape character?	Is the site within a landscape that has moderate-high or high sensitivity to change as defined in the Breckland Settlement Fringe Landscape Assessment (y=-, n=+)
	Will it maintain and enhance the character of settlements?	Does it involve the re-use or re-development of derelict buildings? (y=+, n=-)
	Will it protect and enhance open spaces of amenity and recreational value?	Would it involve the loss of designated open space (y=-, n=+)
10. Conserve and where appropriate enhance the historic environment.	Will it protect or enhance (designated) heritage assets?	Will it result in the direct loss or damage to a listed building/ conservation area or damage to the setting of a listed building/ conservation area? (y=-, n=+)
	Will it protect or enhance the significance and setting of (designated) heritage assets?	Will it result in impact upon the setting of a listed building/conservation area? (y=-, n=+)

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11. Improve the health and well-being of the population.	Will it reduce early death rates?	Is the site within a AQMA/ within or adjacent to a Hazardous installation Consultation Area? (y=-, n=o)
	Will it increase life expectancy?	Is the site within 1200m of outdoor playing space or sports facilities (y=+, n=-) (NFRA standards)? Would it result in a loss of outdoor playing space or sports facilities? (y=-, n=o)
	Will it improve access to essential services such as health facilities?	Is the site within 30 minutes public transport time or walking time of a primary health care facility? (Norfolk LTP) (y=+, n=o)
	Will it encourage healthy lifestyles, including travel and food choices? Will it help the population to move more, eat well and live longer?	Summary of 5d, 5e, 11c
12. Reduce and prevent crime	Will it reduce levels of crime?	Dependent on type and design of development, not location.
13. Improve the quality and quantity of publicly accessible open space.	Will it improve accessibility to open space?	Is the site within 1200m of outdoor playing space or sports facilities? (residential allocation proposals only) (NPFA standards) (y=+, n=-)? Is the site within 1200m of a residential area? (Outdoor playing space allocation proposals only) (y=+, n=-)

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	Will it improve the quality, quantity and multi functionality of accessible open space?	Increase open space (+) decrease open space (-)
14. Improve the quality, range and accessibility of essential services and facilities.	Will it improve accessibility to key local services and facilities, including health, education and leisure?	Is it within walking distance (1000m) to a school, shop, doctor or public open space? (y=+, n=0)
	Will it improve accessibility to shopping facilities?	Is it within walking distance (300m) or 30 minutes public transport or to a town centre (y=+, n=-)
15. Redress inequalities related to age, gender, disability, race, faith, location and income.	Will it address the Indices of Multiple Deprivation and the underlying indicators?	Will it increase services in a ward within the 20% most deprived wards in England (y=+, n=-)
	Will it improve accessibility to essential services and facilities?	Is it connected to public transport and within 30 minutes public transport time of retail provision, and employment (y=+, n=-)
	Will it improve relations between people from different backgrounds and social groups?	Dependent on type and design of development, not location.
16. Ensure all groups have access to affordable, decent and appropriate	Will it support the range of housing types and sizes, including affordable to meet the needs of all sectors in the community?	Is it an allocation for housing? (y=+, n=0)

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housing that meets their needs.	Will it reduce the number of unfit homes?	Will it involve the redevelopment of unfit homes?
	Will it reduce housing need?	Is the allocation proposal for housing? (y=+, n=0)
	Will it meet the needs of the travelling community?	Is the allocation for a gypsy and traveller site?
17. Increase the vitality and viability of existing town centres.	Will it increase vitality of existing town centres?	Is it in the town centre? (y=+, n=-)
	Will it increase viability of existing town centres?	Is it in the town centre? (retail and leisure allocations only) (y=+, n=-)
	Will it provide for the needs of the local community?	Is it within walking distance (1000m) to a school, shop, doctor or public open space? (y=+, n=0)
18. Help people gain access to satisfying work appropriate to their skills,	Will it support and improve education?	Is the allocation for an educational establishment? (y=+, n=-)

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potential and place of residence.	Will it encourage employment and reduce employment overall?	Is the allocation proposal for employment land? (y=+, n=0)
	Will it improve access to employment?	Is the site within 800m or 30 minute public transport time of residential areas? (for residential and employment use allocations only) (y=+, n=-)
	Will it improve access to employment by means other than single occupancy car?	Is the site within 800m or 30 minute public transport time of residential areas? (for residential and employment use allocations only) (y=+, n=-)
19. Improve the efficiency, competitiveness and adaptability of the local economy.	Will it improve business development and enhance competitiveness?	Is it in an area with a deficiency of employment land? (for employment use allocation proposals only) (y=+, n=0)
	Will it make land and property available for business development?	Is the allocation proposal for employment land? (y=+, n=0)
	Will it support sustainable tourism?	Is the allocation proposal within a town or local service centre or accessible by public transport? (y=+, n=0)