

PRELIMINARY APPRAISAL OF THE POTENTIAL EFFECTS OF THE ISSUES AND OPTIONS FOR THE CORE STRATEGY-WASTE

Introduction

The SEA/SA takes as its starting point the Vision for Plymouth (set out in the Plymouth City Strategy and Action Plan) which aims to create

One of Europe's finest, most vibrant waterfront cities, where an outstanding quality of life is enjoyed by everyone.

A clean and green city that makes the most of its environment and location, in particular its water resources and associated ecology.

A city with a strong economy; built on a culture of creativity and innovation and known for its centres of knowledge and learning.

A multi-cultural city where significant social exclusion no longer exists. A city where all the needs of all its citizens are met by high quality, cost effective services and outstanding levels of community involvement.

These broad aims have been translated into a series of 16 **sustainability criteria**, which are described in the SEA/SA Scoping report. The following appraisal examines the potential effects of various actions and draft policies for the nominated area/theme against the framework of the SEA/SA objectives.

Having assessed the likely effect of the different actions, policies and themes in the table below, the information is drawn together in a concluding statement.

The preliminary findings of the SEA/SA and analysis of the public response to both the Issues and Options Leaflet and consultation on the SEA/SA will be used to further refine both the draft plan and the SEA/SA.

COMMENTARY

From the preliminary work done on the SEA/SA of the Local Development Scheme to date, the issue of waste emerges as one of the most pressing areas of concern. Plymouth is rapidly running out of space to landfill domestic waste and greater urgency needs to be given to the reduction of the amount of waste arising and to recycling and reuse as well as working out a long term strategy for disposal of unavoidable residual wastes. Other key issues are outlined below:

- Careful consideration should be given as to how the capacity available for residential waste disposal should be rationalised. Will a reduction in the availability of facilities result in an increase in fly tipping and dumping which in turn could result in negative health impacts for adjacent land uses?

- Whilst proposals advocating the reuse of recycled materials are strongly supported, it is important to ensure that recycled materials are “clean” and free of contaminants.
- Potential negative uncertainties are associated with the need for further land fill sites. Careful consideration needs to be given to the potential impacts on the environment and communities’ quality of life. Similarly the impact of recycling centres on the viability and vitality of adjacent land uses needs to be carefully considered.
- It is important when reviewing sites within and outside Plymouth City’s boundary to review how waste will be transported and explore opportunities to reduce vehicular movements focusing on transportation by rail and sea.

Table X.1. Analysis of Plan proposals, policies actions and themes against the 16 Sustainability Criteria (listed across the columns).

SA CRITERIA (In Columns across)	1 Nature & Environment	2 Reducing Flood Risk	3 Conserving Biodiversity	4. Built Environment	5. Historic Environment	6. Optimise Land Use	7. Sustainable Resource Use	8. Waste	9. Sustainable Transport	10. Strategic Communications	11. Economic Growth	12. Education & Employment	13. Housing	14. Community Health	15. District Centres	16. Inclusiveness
Development proposals should indicate how waste production generated during construction will be minimised	0	0	0	0	0	✓ ?	✓ ?	✓	?	0	0	0	0	?	0	0
New residential developments should use small refuse bins to force active choices over waste generation with one for recyclables	?	0	?	?	?	0	✓ ?	✓	✓ ?	0	0	0	0	?	0	0
Encourage new development proposals producing reusable waste to either market such waste or contribute information regarding the type of waste to a central information exchange source on reusable waste products.	0	0	0	0	0	✓ ?	0	✓	?	0	0	✓ ?	0	0	0	0
Provide or contribute to the provision of convenient small scale recycling centres for material not collected on domestic rounds.	?	0	?	?	0	?	0	✓	?	0	0	✓ ?	0	?	0	0
New development proposals should be encouraged to make use of recycled material where appropriate and recycled demolition waste in the development.	?	0	?	✓ ?	0	✓ ?	0	✓	✓ ?	0	0	0	0	0	0	0
Encourage development proposals, other than residential, likely to generate recyclable material to: <ul style="list-style-type: none"> separate their waste streams and provide space/facilities to store separated recyclable waste for collection take part in recyclable waste collection schemes. market their recyclable waste or contribute information to a central information exchange source on reusable waste products. 	0	0	0	0	0	✓ ?	0	✓	?	0	0	✓ ?	0	?	0	0
Explore the potential for new landfill/raise sites within the city	X ?	X ?	X ?	X ?	X ?	?	?	X	?	0	0	✓ ?	0	X ?	0	0
Explore sites outside the city with adequate landfill capacity.	X ?	X ?	X ?	X ?	X ?	?	?	X	X ?	0	0	✓ ?	0	X ?	0	0
Promote allocation of sites where a	?	0	?	?	?	?	✓	✓	?	0	✓	✓	0	?	0	0

SA CRITERIA (In Columns across)																	
PLAN POLICIES AND ACTIONS (Below)	1 Nature & Environment	2 Reducing Flood Risk	3 Conserving Biodiversity	4. Built Environment	5. Historic Environment	6. Optimise Land Use	7. Sustainable Resource Use	8. Waste	9. Sustainable Transport	10. Strategic Communications	11. Economic Growth	12. Education & Employment	13. Housing	14. Community Health	15. District Centres	16. Inclusiveness	
cluster of businesses based on recycling would be permitted.							?	?			?	?					
Promote allocation of sites for 2 additional district scale Civic Amenity Sites	?	?	?	?	?	?	0	✓	?	0	0	✓ ?	0	?	0	0	0
Promote allocation of sites capable of accommodating a range of waste management facilities which could include in vessel composting, waste to energy plants	?	?	?	?	?	?	✓ ?	✓	?	0	0	✓ ?	0	?	0	0	0
Work with adjacent authorities to ensure that sites capable of accommodating a range of waste management facilities which could include in vessel composting, waste to energy plants are allocated in reasonable access to Plymouth.	?	?	?	?	?	?	✓ ?	✓	X ?	0	0	✓ ?	0	?	0	0	0
Ensure that City and sub-regional waste management and disposal facilities are of sufficient long term capacity to meet the waste management and disposal needs of the larger future population.	✓ ?	0	✓ ?	✓ ?	✓ ?	✓	✓ ?	✓ ?	?	0	0	0	0	0	0	0	0
Working with others to ensure a sufficient mix and capacity of waste management and disposal facilities, where these cannot be sited in the City.	?	?	?	?	?	?	✓ ?	✓ ?	X ?	0	0	✓ ?	0	?	0	0	0
Establish as many waste management and treatment facilities as necessary within Plymouth.	?	?	?	?	?	?	0	✓ ?	?	0	0	✓ ?	0	?	0	0	0
Introduce short term measures and facilities to increase recycling, composting and recovery to minimise the amount of waste requiring disposal.	?	?	?	?	?	✓ ?	✓ ?	✓	?	0	0	0	0	0	0	0	0
Bulking waste up at a new waste transfer facility and depositing landfill at another existing landfill site.	X ?	?	X ?	X ?	X ?	✓ ?	0	X	?	0	0	0	0	X ?	0	0	0
Establish an interim waste transfer facility with good connection to the principal road network and/ or with connection to rail.	?	?	?	?	?	?	0	✓ ?	?	0	0	0	0	?	0	0	0
Allocate a sufficient range of sites for a different waste management,	?	?	?	?	?	?	0	✓ ?	?	0	0	0	0	?	0	0	0

SA CRITERIA (In Columns across) PLAN POLICIES AND ACTIONS (Below)	1 Nature & Environment	2 Reducing Flood Risk	3 Conserving Biodiversity	4 Built Environment	5 Historic Environment	6 Optimise Land Use	7 Sustainable Resource Use	8 Waste	9 Sustainable Transport	10 Strategic Communications	11 Economic Growth	12 Education & Employment	13 Housing	14 Community Health	15 District Centres	16 Inclusiveness
treatment and final disposal facilities based on site selection criteria, types of suitable sites, and defining particular sites for different uses																
Applications for waste disposal must consider a range of policies relating to: <ul style="list-style-type: none"> environmental (visual, amenity, health, nature conservation, heritage, landscape, contamination, flooding, pollution) impact. existing adjacent and potential replaced land uses. control of impact on implementation of national, regional and local waste management strategies. transport issues. sustainability impact. 	✓	0	?	0	✓	?	0	?	0	0	0	0	0	✓	?	0

Symbols employed in Table

- ✓ Supports the sustainability objective
- ✓✓ Strongly supported the sustainability objective
- 0 Has no impact on the sustainability objective
- X Works against the sustainability objective
- XX Works strongly against the sustainability objective
- ? Has an unknown or uncertain effect on the sustainability objective

Legend For Sustainability Criteria

1. Nature and environment: To safeguard and enhance Plymouth’s green spaces, coast, tidal areas, waterfront, fresh water and intertidal areas and access to them, recognising the different types of contribution that they make to Plymouth’s character.
2. Reduce flood risk: To manage flood risks sustainably, recognising the role of wetlands in reducing flood risks.

3. Biodiversity: To conserve, protect and enhance Plymouth's aquatic and terrestrial biodiversity.
4. Built environment: To enhance the attractiveness and safety of the built environment by raising the quality of urban design in the city.
5. Historic environment: To protect and enhance sites, areas and buildings and landmarks of archaeological, historic, cultural and/or architectural interest.
6. Land resources: To concentrate development within Plymouth's built-up area by optimising the use of previously developed land, infrastructure, under used land and vacant properties.
7. Sustainable resource use: To reduce the consumption of non-renewable sources of energy, water and minerals.
8. Waste: To reduce the amount of waste generated in Plymouth and to minimise the environmental effects of waste disposal.
9. Sustainable transport: To reduce traffic congestion and noise, and improve safety, health and air quality by reducing the need to travel, especially by car.
10. Strategic communication links: To maintain and improve the network of communication and transport infrastructure within Plymouth and the links to the sub-region, the South West, Britain and internationally.
11. Economic growth: To promote sustainable economic growth, particularly of key business sectors, and to utilise employment land and premises effectively and efficiently.
12. Education and employment: To enable all residents to share in Plymouth's growing prosperity by improving access to training, education and job opportunities.
13. Housing: To ensure that all of Plymouth's residents have access to a good quality living environment and a decent home which is affordable and suitable to their needs.
14. Community health, safety and well-being: To safeguard and improve community health, safety and well-being through protection and enhancement of the city's green spaces and sport/leisure facilities, and through appropriate design of the built environment.
15. Local and District Centres: To strengthen the role of local and district centres to reduce the amount that people need to travel.
16. Inclusiveness and participation: To take account of the needs of all sectors of the community in the planning and design of new development.

Note: An additional objective on Retailing is being prepared by Plymouth City Council and will be incorporated in the next stage of the appraisal.