

# **Energy and New Development Supplementary Planning Document**

## **Draft Sustainability Appraisal Report**

March 2008



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## Chapter 1: Introduction

- 1.1 This document is the Sustainability Appraisal report (SA report) of the Energy and New Development SPD. The SA report is the key output of the SA process, documenting the work carried out during the appraisal of the SPD.
- 1.2 This chapter briefly summarises the process of developing the SPD and the requirements of SA. It explains how the SA was carried out and how it influenced the development of the SPD. It also explains the consultation process and how you can comment.

### What is Sustainability Appraisal?

- 1.3 The Planning and Compulsory Purchase Act 2004 made Sustainability Appraisal (SA) a requirement for Development Plan Documents (DPD) and Supplementary Planning Documents (SPD). The SA helps planning authorities to fulfil the objective of contributing to the achievement of sustainable development in the preparation of their plans.
- 1.4 The purpose of SA is to promote sustainable development through better integration of sustainability considerations in the preparation and adoption of plans. SA identifies and reports on the likely significant effects of the plan and the extent to which the implementation of the plan will achieve the social, environmental and economic objectives by which sustainable development can be defined.
- 1.5 SA must also meet the requirements of the European Strategic Environmental Assessment Directive 2001/42/EC (SEA Directive). The Council will ensure the requirements of the SEA Directive are met within this SA. The requirements of the SEA Directive and at what stages they are met are set out in Table 1.

**Table 1: Compliance with SEA Directive requirements**

The SEA Directive Requirements	Where covered in this report
<b>Preparation of Environmental Report (Art. 5 and Annex I)</b>	
a) An outline of the contents, main objectives of the plan or programme, and relationships with other relevant plans and programmes	Para 2.2, para 3.6
b) The relevant aspects of the current state of the environment and the likely evolution thereof without implementation of the plan or programme	Para 1.14-1.15, Appendix 2
c) The environmental characteristics of the areas likely to be significantly affected.	Table 3, Appendix 2
d) Any existing environmental problems which are relevant to the plan including, in particular those relating to any areas of particular environmental importance.	Table 3, Appendix 2
e) The environmental protection objectives established at international community or national level, which are relevant to	Para 2.1 – 2.3

The SEA Directive Requirements	Where covered in this report
the plan or programme and the way those objectives and any environmental considerations have been taken into account during its preparation.	
f) The likely significant effects on the environment, including issues such as biodiversity, population, human health, fauna, flora, soil, water, air, climatic factors, material assets, cultural heritage including architectural and archaeological heritage, landscape and the interrelationship between the above factors.	Table 5, Table 7, Appendix 1
g) The measures envisaged to prevent, reduce and as fully as possible offset any significant adverse effects on the environment of implementing the plan or programme.	Table 8
h) An outline of the reasons for selecting the alternatives dealt with, and description of how the assessment was undertaken including any difficulties.	Para 3.3 – 3.12
i) A description of measures envisaged concerning monitoring in accordance with Article 10.	Para 4.2, Appendix 2
The report shall include the information that may be reasonably required taking into account current knowledge and methods of assessment, the contents and level of detail in the plan or programme, its stage in the decision-making process and the extent to which certain matters are more appropriately assessed at different levels in that process to avoid duplication of the assessment	Para 1.7 Table 3
<b>Consultation</b>	
Authorities with environmental responsibility, when deciding on the scope and the level of details of the information to be included in the environmental report	Para 1.10
Authorities with environmental responsibility and the public shall be given an early and effective opportunity within appropriate time frames to express their opinion on the draft plan and the accompanying environmental report before adoption of the plan or programme	Para 1.18 – 1.19
Taking the environmental report and the results of the consultations into account in decision making	
<p><b>Provision of information on the decision</b></p> <p>When the plan or programme is adopted, the public and any countries under Article 7 shall be informed and the following made available to those so informed:</p> <ul style="list-style-type: none"> <li>• The plan or programme as adopted</li> <li>• A statement summarising how environmental considerations have been integrated into the plan or programme and how the environmental report, the opinions of the public and statutory consultees, have been taken into account in accordance with Article 8 and the reasons for choosing the plans adopted, in the light of the other reasonable alternatives dealt with and:</li> <li>• The measures decided concerning monitoring.</li> </ul>	Not applicable at this stage
<b>Monitoring</b> of the significant environmental effects of the plan's or programme's implementation	Para 4.2, Appendix 2
<b>Quality assurance:</b> environmental reports should be of a sufficient standard to meet the requirements of the SEA Directive	Part of Planning Inspectorates 'tests of soundness'

## Rochdale Borough Local Development Framework

- 1.6 The Local Development Framework (LDF) will gradually replace the Rochdale Borough Unitary Development Plan (UDP), the existing statutory land-use plan for the Borough. The LDF is a portfolio of documents which primarily consists of Development Plan Documents (DPD) and Supplementary Planning Documents (SPD). The existing UDP policies will be saved until they are replaced within the LDF. Each DPD and SPD produced will be subject to SA. A full list of documents which will make up the LDF can be found within the Local Development Scheme, the project plan for the LDF, at [www.rochdale.gov.uk](http://www.rochdale.gov.uk).

### Energy and New Development Supplementary Planning Document

The Energy and New Development SPD aims to increase energy efficiency and the uptake of renewable energy technologies in all new developments in Rochdale Borough. This will be in line with national and international objectives and targets in respect of reducing carbon dioxide emissions and tackling climate change and will also have other benefits, such as contributing towards reductions in fuel poverty and dependence. The SPD is likely to set a percentage target for the reduction in carbon emissions from new development being achieved with on-site renewable energy technologies and will encourage energy efficiency, as well as detailing the various technologies available.

### The SA process

- 1.8 The SA process and its links to the SPD process are indicated in table 2. The SPD and SA are currently at stage 3 and D1 respectively. This SA report primarily covers the work required to complete stage B of the SA process, however the Scoping report, which covers stage A of the SA process, can be found at [www.rochdale.gov.uk](http://www.rochdale.gov.uk).

**Table 2: Links between SA and SPD development (Based on ODPM 05)**

SPD Stage	SA Stage
<p><b>1. Evidence Gathering</b> This stage involves collecting background information so that decisions are founded on a thorough understanding of the issues.</p>	<p><b>Stage A: Setting the context and objectives, establishing the baseline and deciding on the scope</b></p> <ul style="list-style-type: none"> <li>• <b>A1:</b> Identifying other relevant policies, plans and programmes, and sustainable development objectives</li> <li>• <b>A2:</b> Collecting baseline information</li> <li>• <b>A3:</b> Identifying sustainability issues and problems</li> <li>• <b>A4:</b> Developing the SA Framework</li> <li>• <b>A5:</b> Consulting on the scope of the SA</li> </ul>
<p><b>2. Preparation of draft SPD</b> At this stage the Council will consider options for</p>	<p><b>Stage B: Developing and refining options and assessing effects</b></p> <ul style="list-style-type: none"> <li>• <b>B1:</b> Testing the LDF objectives against the SA Framework</li> <li>• <b>B2:</b> Developing the SPD options</li> </ul>

<p>the SPD and work towards producing a draft SPD for public consultation.</p>	<ul style="list-style-type: none"> <li>• <b>B3:</b> Predicting the effects of the draft SPD</li> <li>• <b>B4:</b> Evaluating the effects of the draft SPD</li> <li>• <b>B5:</b> Considering ways of mitigating adverse effects and maximising beneficial effects.</li> <li>• <b>B6:</b> Proposing measures to monitor the significant effects of the SPD</li> </ul>
<p><b>3. Consultation</b> At this stage the Council will publish a draft SPD for public consultation and then assess the representations and make any necessary changes.</p>	<p><b>Stage C: Preparing the SA Report</b></p> <ul style="list-style-type: none"> <li>• <b>C1:</b> Preparing SA Report</li> </ul>
<p><b>4. Adoption</b></p>	<p><b>Stage D: Consulting on draft SPD and SA Report</b></p> <ul style="list-style-type: none"> <li>• <b>D1:</b> Public participation on the SA Report and draft SPD</li> <li>• <b>D2:</b> Assessing significant changes</li> </ul>
<p><b>5. Implementation, Monitoring and Review</b> Once the document is adopted it will be monitored to review its effectiveness and reviewed as necessary.</p>	<ul style="list-style-type: none"> <li>• <b>D3:</b> Making decisions and providing information</li> </ul> <p><b>Stage E: Monitoring the significant effects of implementing the SPD</b></p> <ul style="list-style-type: none"> <li>• <b>E1:</b> Finalising aims and methods for monitoring</li> <li>• <b>E2:</b> Responding to adverse effects</li> </ul>

### How the SA was done

- 1.9 The SA has been primarily carried out within the Strategic Planning Team of Rochdale MBC Planning and Regulation Services.
- 1.10 A Scoping report was produced in spring 2007 following the process highlighted in table 2. This went out for formal consultation during April/ May 2007. The following statutory bodies and organisations were consulted either by letter or email on the Scoping report:
- Natural England
  - English Heritage
  - The Environment Agency
  - Government Office for the North West
  - The North West Regional Assembly
  - Greater Manchester Ecology Unit
  - Greater Manchester Chamber of Commerce
  - Rochdale Civic Society
  - Rochdale Local Strategic Partnership
  - Home Builders Federation
- 1.11 The Final Scoping Report, taking on board comments from the consultation, can be found at [www.rochdale.gov.uk](http://www.rochdale.gov.uk). A copy of the

schedule of comments received on the Scoping Report and the Councils response to these comments can be found in appendix 3.

1.12 Throughout the whole of the SA process there has been a focus upon the key objectives of SA and SEA, namely to:

- 'provide for a high level of protection of the environment and to contribute to the integration of environmental considerations into the preparation of the draft SPD with a view to promoting sustainable development (SEA Directive, Article 1).
- 'contribute to the achievement of sustainable development' (Planning and Compulsory Purchase Act, regulation 39.2)

1.13 This has been achieved through:

- a focus on the key issues within the SPD, rather than attempting to cover every issue in great detail;
- a focus on negative impacts, with suggestion for alternative approaches or mitigation measures where possible;
- a 'real time' appraisal. The SA was carried out whilst the draft SPD was being developed enabling it to inform the development of the SPD and;
- an attempt to be concise in the SA document, to facilitate discussion and consultation on the SPD.

### **Compliance with the Habitats Directive**

1.14 The Council are required under Articles 6(3) and (4) of the Habitats Directive to assess the potential effects of their policies on European Sites which lie within and outside the borough. The purpose of the Habitats Regulations Assessment (HRA) is to ensure the protection of the integrity of European sites is a part of the planning process.

1.15 There are two European sites within the borough:

- Rochdale Canal Special Area of Conservation
- South Pennine Moors SAC and Special Protection Area (SPA)

1.16 To meet this requirement Rochdale MBC requested Greater Manchester Ecology Unit to carry out HRA on the SPD. In accordance with government guidance this process involves 3 stages:

- Task 1 – Identify likely significant effects
- Task 2 – Appropriate assessment and ascertaining the effect on site integrity: and
- Task 3 – Mitigating measures and alternative solutions.

1.17 Task 1, also referred to as 'screening', determines whether the other tasks are required. Greater Manchester Ecology Unit have provided a Screening Opinion which has indicated that the implementation of the SPD will not cause significant harm to the special interests of any European protected sites. A formal screening opinion is included as part of this SA in appendix 5.

### **Commenting on the SA report, Habitats Regulations Assessment and SPD**

1.18 Comments on the draft SA report, Habitats Regulations Assessment and the SPD, can be made during the six-week consultation period. Official comments forms are available at [www.rochdale.gov.uk](http://www.rochdale.gov.uk) and also at the locations listed in appendix 6.

1.19 All comments must be submitted by **5 pm on 23<sup>rd</sup> April 2008** to:

**By post:** Strategic Planning Team  
Floor 2  
Telegraph House  
Baillie Street  
Rochdale, OL16 1JH

**By fax:** 01706 864144

**By email:** [Strategic.planning@rochdale.gov.uk](mailto:Strategic.planning@rochdale.gov.uk)

## Chapter 2 Context

### Introduction

- 2.1 This section discusses the policy, environmental, social and economic context within which the Energy and New Development SPD has been developed. The policy context sets out other policies which the SPD should be compatible with. The environmental, social and economic context highlights current issues which the SPD should try and address.

### Review of other Policies, Plans, Programmes, Strategies and Initiatives (PPPSIs)

- 2.2 The Energy and New Development SPD is set within the context of other policies, plans, programmes, strategies and initiatives (PPPSIs). These PPPSIs will influence the content of the SPD and in some cases vice-versa. It is therefore important that the relationships between the PPPSIs and the SPD are identified so that potential inconsistencies and constraints can be addressed.
- 2.3 A wide range of PPPSIs were reviewed as part of the Scoping Report. The purpose of this review was to:
- Identify social, environmental or economic objectives that should be reflected in the SPD;
  - identify any factors that might influence the preparation of the SPD;
  - consider whether the policies in other PPPSIs may lead to cumulative effects when combined with the SPD; and
  - highlight any incompatibilities between the PPPSIs and the SPD.

The full list of PPPSIs reviewed for the SPD can be found within the Scoping Report, this is available at [www.rochdale.gov.uk](http://www.rochdale.gov.uk).

### Collecting Baseline Information

- 2.4 The collection of baseline social, economic and environmental data helps to identify the current state of Rochdale Borough and provides the basis for predicting and monitoring the effects of the SPD. It also assists in the identification of key sustainability issues and potential opportunities for an area. The baseline data supports the process of setting meaningful objectives, targets and indicators for use in the SA process.
- 2.5 The collection of baseline data is an ongoing process and therefore data will be updated and refined for each subsequent SA. The Scoping Report included information on the characteristics of Rochdale Borough and sets out a picture of the current state of the district and

Rochdale town centre. This is an ongoing piece of work which will be updated as and when new information becomes available. A statistical summary of the baseline information available for the borough is indicated within the SA framework (appendix 2). This statistical information together with any relevant qualitative information will be used to help predict and monitor possible effects of the SPD as well as other plans, policies, programmes and initiatives.

- 2.6 Current baseline data, together with sustainability objectives and indicators are shown in appendix 2.

### **Difficulties encountered compiling information or carrying out the assessment**

- 2.7 There are always some difficulties in collecting baseline data and undertaking assessments. The main reasons for this are that the data available may not be up-to-date or certain characteristics of the baseline have not been previously monitored. There are currently gaps in the baseline data available for this SPD, which will need to be collected in the future to enable the effects of the SPD to be monitored effectively. The Council are currently working towards formulating a Sustainability Appraisal Toolkit for the whole of the Borough which will provide a full range of monitoring information to enable baseline data to be collected and monitored.

### **Key sustainability issues**

- 2.8 The key sustainability issues facing Energy and New Development in Rochdale have been identified through the assessment of the PPPSIs and the baseline data collected. As baseline data is refined and gathered it is possible new issues may emerge, therefore the key issues for Rochdale Borough will need to be reviewed on a regular basis.

**Table 3: Summary of key sustainability issues for Energy and New Development**

<b>Key Sustainability Issues</b>	<b>Baseline Data Source</b>	<b>Action</b>	<b>Key PPPSIs Supporting Action</b>
<b>Economic Issues</b>			
The legacy of the Borough's reliance on declining traditional industries means there are still major problems with the local economy in terms of its strength and	Rochdale UDP	Promote new business ventures	PPS1, PPG4

diversity			
Gross Domestic Product (GDP) per capita growth in the North West and the Borough has failed to keep pace with that of the EU or the UK	Rochdale UDP	Promote new business ventures, increase affordability of energy supplies	PPS1, PPG4
<b>Environmental Issues</b>			
By 2010, at least 10% of the electricity supplied in the North West should be from renewable sources	North West Plan	Increase amount of electricity from renewable sources	PPS1, PPS22
Government guidance requires that new buildings are more energy efficient and derive some of their predicted energy requirements from on-site renewable sources.	PPS22		Draft PPS1 supplement, draft RSS
The Borough has a range of natural assets that provide a potential resource for renewable energy technologies	Rochdale UDP	Promote renewable energy generation	
<b>Social Issues</b>			
The Borough's population suffers from generally poor health.	Rochdale UDP	Improve the health of the Borough's population.	
The quality and accessibility of recreational and natural open spaces within all of the Borough's towns is an issue.	Rochdale UDP	Improve quality and accessibility of open spaces	PPG17

### Developing the SA framework (SA objectives)

2.9 SA is essentially a test of the environmental, social and economic soundness of a plan. When deciding upon the SA objectives against which the SPD was to be assessed regard was paid to national and regional guidance on SA, such as the Integrated Appraisal Toolkit for the North West. The SA framework incorporates a range of objectives

and questions adapted from these sources to fit the key sustainability issues and aspirations of Rochdale Borough as set out within documents such as Pride of Place, the Boroughs Community Strategy. The SA framework indicated below has been amended from that included within the Scoping Report for the SPD. This has been done to take account of consultation responses, to rationalise the assessment process and to be more compatible with the emerging Rochdale MBC SA Toolkit, which is currently being developed in consultation with statutory consultees.

**Table 4: Energy and New Development SA objectives/ supplementary questions.**

<b>SA Objective</b>	<b>Supplementary Questions</b>
<b>Objective A: To protect and enhance townscapes and places of historic, cultural and archaeological value</b>	A1: Will the initiative protect and sustainably manage designated heritage sites?
	A2: Will the initiative be based on high quality design that respects local character and enhances local distinctiveness?
	A3: Will the initiative help to reduce the number of vacant buildings through re-use as well as redevelopment?
<b>Objective B: To protect, enhance and manage biodiversity and local landscape character</b>	B1: Will the initiative help to protect any designated wildlife species or landscape areas?
	B2: Will the initiative protect and enhance endangered species and habitats and provide opportunities for new habitat creation?
	B3: Will it improve the amount and quality of, and access to, local green space?
<b>Objective C: Contribute to the provision of cleaner, safer, greener communities</b>	C1: Will the initiative protect or improve inland waters?
	C2: Will the initiative protect or enhance soils and/or land whilst promoting the re-use or regeneration of previously developed land?
	C3: Will the initiative protect or improve local air quality?
	C4: Will the initiative reduce exposure to high noise levels?
<b>Objective D: To ensure prudent use of natural resources and reduce waste</b>	D1: Will the initiative encourage sustainable consumption, including water consumption?
	D2: Will the initiative encourage re-using, recycling and/ or recovery?
	D3: Will the initiative reduce waste generation?
<b>Objective E: To reduce the vulnerability to climate change and reduce the potential impacts of flooding</b>	E1: Will the initiative help to mitigate greenhouse gases, particularly by maximising use of renewable energy or through energy efficiency?
	E2: Will the initiative help to adapt climate change, including the increased use of sustainable drainage and by promoting catchment wide approach to minimising flood risk?
	E3: Will the initiative address the social and economic as well as environmental impacts, of energy use?
<b>Objective F: To increase and improve access to public open spaces and improve the liveability of communities</b>	F1: Will the initiative enhance the lives of ALL members of communities within its scope?
	F2: Will the initiative encourage up-take of exercise opportunities?
	F3: Will the initiative improve access to public open spaces?
<b>Objective G: To reduce the fear and occurrence of crime and disorder</b>	G1: Will the initiative reduce the amount of litter, fly tipping or graffiti in local communities?
	G2: Will the initiative reduce crime and the fear of crime whilst offering opportunities for the rehabilitation of offenders?
<b>Objective H:</b>	H1: Will the initiative reduce traffic congestion and improve

<b>SA Objective</b>	<b>Supplementary Questions</b>
<b>To reduce the effect of traffic in the community</b>	safety for all road users?
	H2: Will the initiative encourage walking, cycling and/ or travelling by public transport?
	H3: Will the initiative promote sustainable travel alternatives such as communication infrastructure which supports ideas of home working?
	H4: Will the initiative reduce unnecessary freight movements?
<b>Objective I: To improve access to/ of local services and facilities within and beyond the immediate neighbourhood</b>	I1: Will the initiative improve and ensure local accessibility of jobs, community goods and services as well as amenities?
	I2: Will the initiative reduce the need to travel?
<b>Objective J: To create an economy capable of sustainable growth through investment, innovation and entrepreneurship</b>	J1: Will the initiative encourage innovation as well as research and development together with knowledge transfer?
	J2: Will the initiative encourage the formation, survival and growth of sustainable enterprise schemes?
	J3: Will the initiative support growth in key cities/ towns and/or areas remote from growth?
<b>Objective K: To improve access to good quality, affordable and resource efficient housing</b>	K1: Will the initiative contribute to high quality, well-designed living environments?
	K2: Will the initiative deliver affordable housing with planned access to local services, amenities and employment?

## **Chapter 3: Energy and New Development Supplementary Planning Document**

### **Introduction**

- 3.1 The Energy and New Development SPD aims to increase energy efficiency and the uptake of renewable energy technologies in all new developments in Rochdale Borough. This will be in line with national and international objectives and targets in respect of reducing carbon dioxide emissions and tackling climate change and will also have other benefits, such as contributing towards reductions in fuel poverty and dependence. The SPD is likely to set a percentage target for the reduction in carbon emissions from new development being achieved with on-site renewable energy technologies and will encourage energy efficiency, as well as detailing the various technologies available.
- 3.2 This section describes how the SPD has developed and tests the SPD against the SA Framework.

### **Appraisal of the SPD**

3.3 Government guidance on sustainability appraisal requires that options are developed and considered to ensure that the identified objectives for the document can be met. It is considered that, given the provisions of national and regional guidance, not producing this SPD is not a viable option; however, two options have been identified in respect of this particular document:

- Produce the SPD with a requirement that new developments reduce their predicted future carbon emissions by at least 10% through the introduction of on-site renewable technologies.
- Produce the SPD with a requirement that new developments reduce their predicted future carbon emissions by at least 20% through the introduction of on-site renewable technologies.

3.6 The SPD appraisal process has been undertaken in two stages. The first stage of the appraisal process was to test the compatibility of the SPD objectives against the SA objectives. The results of this testing are set out within Table 5. The second phase of the appraisal process was to test the options;

- Produce the SPD with a requirement that new developments reduce their predicted future carbon emissions by at least 10% through the introduction of on-site renewable technologies (a figure favoured by some other authorities).
- Produce the SPD with a requirement that new developments reduce their predicted future carbon emissions by at least 20% through the introduction of on-site renewable technologies (a figure which has been proposed by other authorities).

These options were appraised against the SA objectives and supplementary questions. A summary of the results of this testing are set out within Table 7.

### **Appraisal of the SPD objectives**

- 3.6 The original SPD objectives were set out within the SA Scoping Report. These have now been amended and expanded to take account of early SA work on these objectives and to provide greater guidance upon the aims of the SPD. The principle objectives contained within the Energy and New Development SPD;
- *To ensure future developments in Rochdale are designed and laid out in such a way as to achieve maximum use of natural systems for energy efficiency. This will support the guidance in the Urban Design Guide SPD.*
  - *To ensure that future developments in Rochdale optimise energy efficiency and sustainable construction.*
  - *To ensure all new developments in Rochdale reduce their predicted carbon dioxide emissions through the use of on-site renewable technologies.*
  - *To promote the use of Combined Heat and Power (CHP) where appropriate.*
- 3.7 The assessments of the objectives are set out in Table 5.
- 3.8 The appraisal indicates that the SPD objectives are generally complimentary with the environmental sustainability objectives and are neutral with the social and economic objectives. These are set out within Table 6.

Table 5: Energy and New Development SPD draft objectives testing

SA Objectives	SPD Objectives															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	?	?	?	?												
B	?	+	+	?												
C	+	++	++	++												
D	++	++	++	++												
E	++	++	++	++												
F	?	?	?	?												
G	?	?	?	?												
H	?	?	?	?												
I	?	?	?	?												
J	+	+	+	+												
K	++	++	++	+												

Key:

++	Likely to have a positive impact
+	Likely to have a minor positive impact
+/-	Positive or Negative dependent upon implementation
-	Likely to have a minor negative impact
--	Likely to have a negative impact
?	No relationship/ Neutral/ Uncertain

<b>Table 6: Summary of compatibility SPD objectives/ SA objectives</b>		
<b>Social</b>	<b>Environmental</b>	<b>Economic</b>
On the whole the SPD objectives are neutral in their relationship with social issues.	On the whole, the SPD objectives are very compatible with the environmental objectives.	The SPD objectives have a fairly positive relationship with economic objectives, promoting sustainable growth and resource efficient housing.

## Appraisal of the options

- 3.9 The appraisals of the options have been undertaken by taking a professional judgement of the likely impacts of the options, which are requiring renewables to provide a 10% reduction in predicted carbon emissions and requiring renewables to provide a 20% reduction in predicted carbon emissions, against each SA Objective and a series of questions (Table 7). These professional judgements have been made by taking account of available baseline information, trends within the data and the most recent advice upon these issues. It is considered that this approach has provided a robust assessment methodology which provides a degree of certainty regarding the likely sustainability effects of the options. This approach will be further enhanced by taking account of consultation responses received during consultation upon this SA Report and the SPD.
- 3.10 The appraisals have also been undertaken using an iterative process so that the SA has informed the development of the SPD. This has ensured that the draft SPD has already met many of the sustainability objectives within the Councils framework. However as is common with most plans the SPD has not fully met all of the SA objectives, this is partially due to the remit of the SPD, and the conflicts this may have with some of the SA Objectives. To minimise these negative effects and where possible to maximise beneficial effects the SA has suggested a number of mitigation measures which may be undertaken.
- 3.11 Table 7 sets out a summary of the options appraisal for the SPD, the most recent iteration of the SPD, and the other options. The assessment of the SPD has been undertaken taking account of the whole content of the document. The full assessments for each of these options can be found in appendix 1.
- 3.12 Table 7 and appendix 1 indicate that the difference between a SPD requiring 10% of predicted carbon emissions to be reduced by the installation of renewable technologies and one requiring 20%, in terms of sustainability, is small. The 20% option is likely to have more negative impact upon historic buildings and character of the area, however it will have a more positive impact in economic terms, especially the encouragement of research and new sustainable enterprises. It is considered that other Council documents such as the Urban Design Guides will address issues of design and impact, and no mitigation measures in this document are proposed at this stage.

Table 7: SPD options appraisal summary

SPD Option	SA Framework											
	Impact (Yrs)	A	B	C	D	E	F	G	H	I	J	K
10% carbon reduction	S (0-5)	+/-	++	++	++	++	+	?	?	+	++	+
	M (6-10)	+/-	++	++	++	++	+	?	?	+	++	++
	L (11+)	+/-	++	+	++	++	+	?	?	++	+	+
20%	S (0-5)	-	++	+	++	++	+	?	?	++	++	-
	M (6-10)	-	++	+	++	++	+	?	?	++	++	+
	L (11+)	+	++	+	++	++	+	?	?	++	++	++

Key

++	Positive Impact	--	Negative Impact
+	Minor Positive Impact	-	Minor Negative Impact
+/-	Positive/ Negative dependent upon implementation	?	No Relationship/ Neutral/ Uncertain

**Table 8: Summary of mitigation measures/ suggested changes to the SPD**

<b>Issue</b>	<b>Suggested Mitigation/ Changes</b>
Design	<b>Ensure that the design standards outlined in the Urban Design Guide SPD are not compromised.</b>

## **Chapter 4: Next steps and monitoring framework**

### **Next steps**

- 4.1 Following consultation upon this document and the SPD the consultation responses and the findings of this report will be incorporated, where appropriate, into the SPD prior to adoption by the Council. If there are significant changes to the SPD that have not already been the subject of this SA it will be necessary to assess these changes against the SA framework to ensure that the significant social, environmental and economic effects are appraised.

### **Monitoring framework**

- 4.2 Monitoring is considered to be an important element of the new planning system and SA. Such monitoring will allow any unforeseen impacts of implementing the chosen option to be identified and quantified at the earliest opportunity. This will allow any remedial action that is necessary and considered appropriate to be identified and undertaken. The collection of such information will also be a useful source of future baseline data for future documents and projects.
- 4.3 The relevant indicators relating to this SA Report are shown in appendix 2.

## Appendix 1: Appraisals

Option 1: – Require 10% reduction in predicted carbon emissions through use of renewables

Key

<b>++</b>	<b>Positive Impact</b>	<b>--</b>	<b>Negative Impact</b>
<b>+</b>	<b>Minor Positive Impact</b>	<b>-</b>	<b>Minor Negative Impact</b>
<b>+/-</b>	<b>Positive/ Negative dependent upon implementation</b>	<b>?</b>	<b>No Relationship/ Neutral/ Uncertain</b>

Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective A:</b>  <b>To protect and enhance townscapes and places of historic, cultural and archaeological value</b>	A1: Will the initiative protect and sustainably manage designated heritage sites?		+/-	+/-	+/-	✓		Whilst renewable energy installations could have a negative impact upon heritage sites, they will also reduce energy costs for buildings thus potentially increasing the likelihood of their continued preservation.	None.
	A2: Will the initiative be based on high quality design that respects local character and enhances local distinctiveness?		+/-	+/-	+/-	✓		This will depend upon the design of installations.	None.
	A3: Will the initiative help to reduce the number of vacant buildings through re-use as well as redevelopment?		+	+	+	✓		Renewable energy technologies have the potential to make 'hard to treat' buildings more energy efficient and therefore allows them to meet targets, whereas more conventional energy-saving technologies might not work for these buildings.	None

Option 1 - Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective B:</b>  <b>To protect, enhance and manage biodiversity and local landscape character</b>	B1: Will the initiative help to protect any designated wildlife species or landscape areas?	Rochdale borough has two European sites, the South Pennine Moors and Rochdale Canal. The latter travels through the urban area for much of its length. There is a deficiency in good quality green space in the Borough.	+	+	+		✓	The initiative should help to improve air quality, thus helping wildlife species and landscape areas; however, there is also a chance that wind turbines could be harmful to birds.	None
	B2: Will the initiative protect and enhance endangered species and habitats and provide opportunities for new habitat creation?		++	++	++		✓	Opportunities for new habitat creation could emerge from the requirement for more sustainable drainage initiatives, and new habitats could also be created to supply wood for biomass installations.	None
	B3: Will it improve the amount and quality of, and access to, local green space?		+	+	+	✓		There could be an increase in greenspace to provide fuel for biomass installations.	None

Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective C:</b>  <b>Contribute to the provision of cleaner, safer, greener communities</b>	C1: Will the initiative protect or improve inland waters?	There was a decrease in river quality in the borough between 2004 to 2005 with 55.9% being Good in 2004 compared to 38.9% in 2005. However the remainder are all Fair.  The borough has declared Air Quality Management Area in parts of the Borough.	+	+	+		✓	Over time, the initiative could help towards less polluting sources of energy, and there may be the impact of hydro-electric installations and sustainable drainage systems.	None.
	C2: Will the initiative protect or enhance soils and/or land whilst promoting the re-use or regeneration of previously developed land?		+	++	++		✓	There is the potential to re-use land for renewable energy installations, as well as biomass storage facilities and the creation of new woodlands.	None
	C3: Will the initiative protect or improve local air quality?		++	++	++		✓	There should be a positive reduction in pollution and also increase in woodlands.	None
	C4: Will the initiative reduce exposure to high noise levels?		?	-	-		✓	If there are to be a lot of wind turbines in the area, there may potentially be a slight increase in noise levels.	None

Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans- boundary		
Objective D:  To ensure prudent use of natural resources and reduce waste	D1: Will the initiative encourage sustainable consumption, including water consumption?	Conditions on planning approvals are increasingly requiring higher levels of sustainability in consumption.	++	++	++	✓			None.
	D2: Will the initiative encourage re-using, recycling and/ or recovery?		++	++	++	✓		There is some potential as biomass fuels and others can be recycled / recovered.	None.
	D3: Will the initiative reduce waste generation?		+	+	++		✓	As energy sources are likely to be closer to the energy usage points, there is likely to be less waste in transmission.	None.

Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective E:</b>  <b>To reduce the vulnerability to climate change and reduce the potential impacts of flooding</b>	E1: Will the initiative help to mitigate greenhouse gases, particularly by maximising use of renewable energy or through energy efficiency?	Renewable energy installations are now beginning to be installed across the borough.  New developments are required to take measures to ensure minimal risk of flooding.	++	++	++		✓		None.
	E2: Will the initiative help to adapt to climate change, including the increased use of sustainable drainage and by promoting catchment wide approach to minimising flood risk?		++	++	++		✓		None.
	E3: Will the initiative address the social and economic as well as environmental impacts, of energy use?		++	++	++	✓		There will be less pollution, and reduced energy costs.	None.

**Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables**

SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective F:</b>  <b>To increase and improve access to public open spaces and improve the liveability of communities</b>	F1: Will the initiative enhance the lives of ALL members of communities within its scope?	Access to quality open space in the Borough is currently poor.	++	++	++	✓		There will be reduced energy costs for all members of the community and less pollution.	None
	F2: Will the initiative encourage up-take of exercise opportunities?		?	?	?				None
	F3: Will the initiative improve access to public open spaces including green spaces?		+	+	+	✓		New woodlands are likely to be created as a result of biomass installations.	None

Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective G:</b>  <b>To reduce the fear and occurrence of crime and disorder</b>	G1: Will the initiative reduce the amount of litter, fly tipping or graffiti in local communities?	Rochdale has higher rates of crime than the regional average.	?	?	?				None
	G2: Will the initiative reduce crime and the fear of crime whilst offering opportunities for the rehabilitation of offenders?		?	?	?				None

**Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables**

SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective H: To reduce the effect of traffic in the community</b>	H1: Will the initiative reduce traffic congestion and improve safety for all road users?		?	?	?				None
	H2: Will the initiative encourage walking, cycling and/ or travelling by public transport?		?	?	?				None
	H3: Will the initiative promote sustainable travel alternatives such as communication infrastructure which supports ideas of home working?		?	?	?				Ensure design standards are maintained.
	H4: Will the initiative reduce unnecessary freight movements?		?	?	?				None

Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective I:</b>  <b>To improve access to/ of local services and facilities within and beyond the immediate neighbourhood</b>	I1: Will the initiative improve and ensure local accessibility of jobs, community goods and services as well as amenities?		+	+	++		✓	Over time, there will be more demand for local installers and businesses.	None
	I2: Will the initiative reduce the need to travel?		+	+	++		✓	Over time, there will be more demand for local installers and businesses.	None

Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective J:</b>  <b>To create an economy capable of sustainable growth through investment, innovation and entrepreneurship</b>	J1: Will the initiative encourage innovation as well as research and development together with knowledge transfer?		+	++	++		✓	Over time, the demand for new technologies will fuel more innovation and research.	None
	J2: Will the initiative encourage the formation, survival and growth of sustainable enterprise schemes?		+	++	++	✓		Over time, the demand for new technologies will fuel more innovation and research, and sustainable enterprise schemes.	None
	J3: Will the initiative support growth in key cities/ towns and/or areas remote from growth?		+/-	+	+	✓			None

Option 1 – Require 10% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective K:</b>  To improve access to good quality, affordable and resource efficient housing	K1: Will the initiative contribute to high quality, well-designed living environments?		++	++	++			Energy efficiency is an important part of good design.	None.
	K2: Will the initiative deliver affordable housing with planned access to local services, amenities and employment?		-	+	+			Over time, there will be economies of scale which will deliver more affordable systems.	None.

**Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables**

SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective A:</b>  <b>To protect and enhance townscapes and places of historic, cultural and archaeological value</b>	A1: Will the initiative protect and sustainably manage designated heritage sites?		-	-	-	✓		The more renewable energy installations required, the more likelihood of negative impact on heritage sites.	None.
	A2: Will the initiative be based on high quality design that respects local character and enhances local distinctiveness?		+/-	+/-	+/-	✓		The more renewable energy installations required, the more likelihood of negative impact on local character.	None.
	A3: Will the initiative help to reduce the number of vacant buildings through re-use as well as redevelopment?		-	-	+	✓		Renewable energy technologies have the potential to make 'hard to treat' buildings more energy efficient and therefore allows them to meet targets, whereas more conventional energy-saving technologies might not work for these buildings.	None

Option 2 - Require 20% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective B:</b>  <b>To protect, enhance and manage biodiversity and local landscape character</b>	B1: Will the initiative help to protect any designated wildlife species or landscape areas?	Rochdale borough has two European sites, the South Pennine Moors and Rochdale Canal. The latter travels through the urban area for much of its length. There is a deficiency in good quality green space in the Borough.	+	+	++		✓	The initiative should help to improve air quality, thus helping wildlife species and landscape areas; however, there is also a chance that wind turbines could be harmful to birds.	None
	B2: Will the initiative protect and enhance endangered species and habitats and provide opportunities for new habitat creation?		++	++	++		✓	Opportunities for new habitat creation could emerge from the requirement for more sustainable drainage initiatives, and new habitats could also be created to supply wood for biomass installations.	None
	B3: Will it improve the amount and quality of, and access to, local green space?		+	+	+	✓		There could be an increase in greenspace to provide fuel for biomass installations.	None

Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective C:</b>  <b>Contribute to the provision of cleaner, safer, greener communities</b>	C1: Will the initiative protect or improve inland waters?	There was a decrease in river quality in the borough between 2004 to 2005 with 55.9% being Good in 2004 compared to 38.9% in 2005. However the remainder are all Fair.  The borough has declared Air Quality Management Area in parts of the Borough.	+	++	++		✓	Over time, the initiative could help towards less polluting sources of energy, and there may be the impact of hydro-electric installations and sustainable drainage systems.	None.
	C2: Will the initiative protect or enhance soils and/or land whilst promoting the re-use or regeneration of previously developed land?		+	++	++		✓	There is the potential to re-use land for renewable energy installations, as well as biomass storage facilities and the creation of new woodlands.	None
	C3: Will the initiative protect or improve local air quality?		++	++	++		✓	There should be a positive reduction in pollution and also increase in woodlands.	None
	C4: Will the initiative reduce exposure to high noise levels?		?	-	-		✓	If there are to be a lot of wind turbines in the area, there may potentially be a slight increase in noise levels.	None

Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans- boundary		
Objective D:  To ensure prudent use of natural resources and reduce waste	D1: Will the initiative encourage sustainable consumption, including water consumption?	Conditions on planning approvals are increasingly requiring higher levels of sustainability in consumption.	++	++	++	✓			None.
	D2: Will the initiative encourage re-using, recycling and/ or recovery?		++	++	++	✓		There is some potential as biomass fuels and others can be recycled / recovered.	None.
	D3: Will the initiative reduce waste generation?		+	+	++		✓	As energy sources are likely to be closer to the energy usage points, there is likely to be less waste in transmission.	None.

Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective E:</b>  To reduce the vulnerability to climate change and reduce the potential impacts of flooding	E1: Will the initiative help to mitigate greenhouse gases, particularly by maximising use of renewable energy or through energy efficiency?	Renewable energy installations are now beginning to be installed across the borough.  New developments are required to take measures to ensure minimal risk of flooding.	++	++	++		✓		None.
	E2: Will the initiative help to adapt to climate change, including the increased use of sustainable drainage and by promoting catchment wide approach to minimising flood risk?		++	++	++		✓		None.
	E3: Will the initiative address the social and economic as well as environmental impacts, of energy use?		++	++	++	✓		There will be less pollution, and reduced energy costs.	None.

**Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables**

SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective F:</b>  <b>To increase and improve access to public open spaces and improve the liveability of communities</b>	F1: Will the initiative enhance the lives of ALL members of communities within its scope?	Access to quality open space in the Borough is currently poor.	++	++	++	✓		There will be reduced energy costs for all members of the community and less pollution.	None
	F2: Will the initiative encourage up-take of exercise opportunities?		?	?	?				None
	F3: Will the initiative improve access to public open spaces including green spaces?		+	+	+	✓		New woodlands are likely to be created as a result of biomass installations.	None

Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective G:</b>  <b>To reduce the fear and occurrence of crime and disorder</b>	G1: Will the initiative reduce the amount of litter, fly tipping or graffiti in local communities?	Rochdale has higher rates of crime than the regional average.	?	?	?				None
	G2: Will the initiative reduce crime and the fear of crime whilst offering opportunities for the rehabilitation of offenders?		?	?	?				None

**Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables**

SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective H: To reduce the effect of traffic in the community</b>	H1: Will the initiative reduce traffic congestion and improve safety for all road users?		?	?	?				None
	H2: Will the initiative encourage walking, cycling and/ or travelling by public transport?		?	?	?				None
	H3: Will the initiative promote sustainable travel alternatives such as communication infrastructure which supports ideas of home working?		?	?	?				Ensure design standards are maintained.
	H4: Will the initiative reduce unnecessary freight movements?		?	?	?				None

Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective I:</b>  <b>To improve access to/ of local services and facilities within and beyond the immediate neighbourhood</b>	I1: Will the initiative improve and ensure local accessibility of jobs, community goods and services as well as amenities?		+	++	++		✓	Over time, there will be more demand for local installers and businesses.	None
	I2: Will the initiative reduce the need to travel?		+	++	++		✓	Over time, there will be more demand for local installers and businesses.	None

Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective J:</b>  To create an economy capable of sustainable growth through investment, innovation and entrepreneurship	J1: Will the initiative encourage innovation as well as research and development together with knowledge transfer?		+	++	++		✓	Over time, the demand for new technologies will fuel more innovation and research.	None
	J2: Will the initiative encourage the formation, survival and growth of sustainable enterprise schemes?		+	++	++	✓		Over time, the demand for new technologies will fuel more innovation and research, and sustainable enterprise schemes.	None
	J3: Will the initiative support growth in key cities/ towns and/or areas remote from growth?		+/-	+	+	✓			None

Option 2 – Require 20% reduction in predicted carbon emissions through use of renewables									
SA Objective	Sub Questions	Current Picture	Impact (Yrs)			Scale		Supporting Evidence/ Secondary or Cumulative Effect	Suggested Changes/ Mitigation
			S 0-5	M 6-10	L 11+	Local	Trans-boundary		
<b>Objective K:</b>  To improve access to good quality, affordable and resource efficient housing	K1: Will the initiative contribute to high quality, well-designed living environments?		++	++	++			Energy efficiency is an important part of good design.	None.
	K2: Will the initiative deliver affordable housing with planned access to local services, amenities and employment?		--	+	+			Over time, there will be economies of scale which will deliver more affordable systems.	None.

## Appendix 2: SA framework (Objectives, Supplementary Questions, Targets, Data and Trends)

### Draft Rochdale SA Framework – integrating North West IAT

Theme	Previous Objective(s)	IAT Main Question	Draft Pride of Place (2007) Theme	New Objective	Sub-questions	Indicator(s)	Target	Baseline/ Trend
<b>Biodiversity/ Landscape</b>	To maintain and enhance biodiversity, flora and fauna	Will the initiative protect, enhance and manage biodiversity and local landscape character?	Creating a cleaner, greener environment	<b>To protect, enhance and manage biodiversity and local landscape character</b>	Will the initiative help to protect any designated wildlife sites or landscape areas?	Change in areas and populations of biodiversity importance, including: (i) change in priority habitats and species; and (ii) change in areas designated for their intrinsic environmental value including international, national, regional, sub-regional or local significance.	BAP to inform	
	To maintain and enhance the quality of landscapes and townscapes				Will the initiative protect and enhance endangered species and habitats and provide opportunities for new habitat creation?			
					Will it improve the amount and quality of, and access to, local green space?	Open Space Audit to identify indicator	Open Space Audit to inform	

<b>Buildings – Heritage</b>	To conserve and improve where appropriate the quality of the historic environment	Will the initiative protect places of historic, cultural and archaeological value?		<b>To protect and enhance townscape s and places of historic, cultural and archaeological value</b>	Will the initiative protect and sustainably manage designated heritage sites?	% listed buildings at risk  % scheduled ancient monuments at risk	Target zero?  Target zero?	4 (Buildings at Risk Survey 2004)  Awaiting results of Scheduled Ancient Monument s at Risk Survey
	To maintain and enhance the quality of landscapes and townscapes				Will the initiative be based on high-quality design that respects local character and enhances local distinctiveness?	Design guides?  Number/ extent of conservation areas	Target no loss?	13 Conservation areas, covering 11.28ha
					Will the initiative help to reduce the number of vacant buildings, through re-use as well as redevelopment?	Area of derelict land within local authority  No. retail vacancies within Town Centres	Target reduction?  GB average 9.13%	Rochdale TC 12.27% Heywood Middleton

<b>Climate Change and Energy</b>	To reduce vulnerability to climate change and reduce the potential impacts of flooding	Will the initiative develop or deliver local, regional and national policies to tackle climate change?	Creating a cleaner, greener environment	<b>To reduce vulnerability to climate change and reduce the potential impacts of flooding</b>	Will the initiative help to mitigate greenhouse gases?	Renewable energy capacity installed by type	Overall RSS target – 10% 2010, 15% 2015, 20% 2020	Up to 2005/06 (AMR) PV – 51,075 Kwh Wind – 1,752 Kwh (Scout Moor 65MW to be implemented 07) Solar Thermal - 60,040 Kwh
					Will the initiative help to adapt to climate change?	No. planning permissions granted contrary to advice of Environment Agency on flood defence	None	None (AMR)
					Will the initiative address the social and economic, as well as environmental impacts, of energy use?	No. of developments reaching BREAM/ SEAM standard  Number of vulnerable households living in fuel poverty (LAA indicator)	Decrease from 15,394 to 13,661 (by 2010)	

<b>Community</b>	To reduce the fear and occurrence of crime and disorder	Will the initiative contribute to developing and maintaining sustainable communities ?	Improving community safety	<b>To contribute to active, inclusive and safe communities</b>	Will the initiative enhance the lives of ALL members of communities within its scope?			
					Will the initiative engage all members of the community in the development and delivery of the project / programme / plan?	% people who feel they can influence decisions affecting their local area (LAA)	New target to be set by LAA	Baseline still to be determined
					Will the initiative improve and ensure local accessibility of jobs, community goods and services as well as amenities?	Amount of new residential development within 30 mins public transport time of : areas of employment, a primary school, secondary school, and a major retail centre(s)		2005/6 AMR Areas of employment 100%; Primary School 100%; Secondary School 83.9%; Major retail centres 100%

					Will the initiative reduce crime, disorder and the fear of crime whilst offering opportunities for rehabilitation to offenders?	% domestic burglaries per 1000 population  % of vehicle crimes per 1000 population  % residents who feel the borough is a safe place to live (LAA indicator)	Reduce all by 26% from 03/04 to 2008 (Draft Pride of Place 2007)  <b>Increase % of citizens who feel the Borough is a safe place to live to 68% by March 2008 and 72% by March 2010. (LAA)</b>	20.8%  21.2% (2005)  27%
<b>Economy</b>	To create an economy capable of sustainable growth through	Will the initiative encourage sustainable economic growth and	Increasing jobs and prosperity	<b>To increase jobs and prosperity within and throughout</b>	Will the initiative encourage innovation as well as research & development together with knowledge transfer?			

				Will the initiative encourage the formation, survival and growth of sustainable enterprise schemes?	Amount of floorspace developed for employment by type  Losses of employment land in (i) employment/ regeneration areas and (ii) local authority area. (AMR)		2005/6 AMR B1 2975 sqm B2 874 sqm B8 2952 sqm Mixed 21,400 sqm  (i) 0.4 ha (ii) 7.5 ha
				Will the initiative make linkages to ensure vacancies are accessible to all communities and locations especially disadvantaged areas?	Amount of floorspace developed for employment by type, in employment or regeneration areas. (AMR)  No. Rochdale Borough residents securing employment on Kingsway (LAA)	545 Cumulative (2009/10 LAA)	2005/6 AMR 27, 665ha (100%)  0
				Will the initiative support growth in key cities/towns and/or areas remote from growth?	Amount of completed retail, office and leisure development in town centres (AMR)		2005/6 AMR  B1 – 0% Leisure – 0% Retail -

Health and Well-being	None	Will the initiative improve health and/or improve access to health care in the region particularly in deprived areas?	Ensuring better health for all	<b>Ensure better health for all</b>	Will the initiative improve income levels in deprived areas?			
					Will the initiative encourage up-take of exercise opportunities?	% residential properties within 400m of a good quality natural green space, woodland, green space corridor or national cycle network/national trail. (LAA)	LAA target 37.2% (2009/10)	Currently 22.2% (LAA)
						% of rights of way footpaths easy to use (LAA)	50% (LAA)	65% (2009/10 LAA)
					Will the initiative protect mental health and promote wellbeing of communities, particularly those in deprived areas?	Amount of new residential development within 30min public transport time of: GP, hospital (AMR)		2005/6 AMR GP – 100% Hospital - 9.8%
Housing	None	Will the initiative improve access to good quality, affordable and resource efficient housing?	Ensuring better health for all	<b>To improve access to good quality, affordable and resource efficient housing.</b>	Will the initiative contribute to high quality, well-designed living environments?	Housing trajectory – Net number housing completions per year (AMR)	Current RSS – 240 Net Draft RSS – 400 Net	2005/6 AMR Net completions 04/05 – 58 05/06 – 350
					Will the initiative deliver affordable housing with planned access to local services, amenities and employment?	Affordable housing completions (AMR)		2005/6 AMR 04/05 – 23 05/06 – 71

Local Environmental Quality	To increase and improve access to public open spaces and improve the liveability of communities	Will the initiative contribute to the provision of cleaner, safer, greener communities ?	Creating a cleaner, greener environment	<b>Contribute to cleaner and greener communities</b>	Will the initiative reduce the amount of litter, flytipping or graffiti in local communities?	Environmental Quality BV199b - Graffiti (LAA)	12% 2009/10 (LAA)	19% (LAA)
					(additional Q) Will the initiative improve access to public open spaces?	Extent LEAP/ NEAP provision	% of play areas conforming to LEAP standard increases from 32% to 48% (LAA)	
					No. Local Nature Reserves and Country Parks	Retain/ increase?	3 LNRs	
					% residential properties within 400m of a good quality natural green space, woodland, green space corridor or national cycle network/ national trail. (LAA)	LAA target 37.2% (2009/10)	Currently 22.2% (LAA)	

	To improve air quality				Will the initiative protect or enhance soils and/or land whilst promoting the re-use or regeneration of previously developed land?	% new housing/ conversions on PDL (AMR)  % employment floorspace on PDL (AMR)	RSS target 80%	2005/6 AMR  04/05 – 57.6% 05/06 – 79% 06/07 – 87% (BV completions)
	To improve water quality				Will the initiative protect or improve inland waters?	% rivers of good or fair quality	100%?	Envi Agency GQA 04/05  Good – 55.9% (04); 38.9% (05)  Fair – 41.5% (04); 61.1% (05)
					Will the initiative protect or improve local air quality?	Levels of Air Quality (NO2) (LAA)	32.8 (LAA)	28 (2009/10 LAA)
					Will the initiative reduce exposure to high noise levels?	No. Noise complaints?		
<b>Raw Materials - Waste</b>	To ensure prudent use of natural resources	Will the initiative promote sustainable production?		<b>To ensure prudent use of natural resources</b>	Will the initiative encourage sustainable consumption?	% municipal waste landfilled (LAA)	57.7% (LAA 2009/10)	68.81% (LAA)

		Will the initiative ensure the sustainable management of waste?			Will the initiative promote sustainable production?	No. Businesses involved in envi management systems or accredited green business activities (LAA)	TBC (LAA)	45 (LAA)
					Will the initiative encourage re-using, recycling and/or recovery?	% municipal waste recycled (LAA)	31% (LAA 2009/10)	16.56% (LAA)
					Will the initiative reduce waste generation?	Amount of municipal waste arising and managed by type, and the percentage each management type represents of waste managed. (AMR)		2005/6 AMR  05/06 – 71,206 tonnes down 9% on 04/05.  Household 86% Commercial 12% Garden 5% Bulky 7%
<b>Skills and Behaviour</b>	None	Will the initiative bring intermediate or higher levels skills into the current workforce or develop		<b>Bring intermediate or higher levels skills into the current workforce or develop</b>	Will the initiative support skills development important to growth for key regional sectors?	Increase number of adults gaining skills for life qualifications (LAA)	1320 (per yr to 09/10) LAA	1480 (04/05) LAA
					Will the initiative promote the take up of training and/or further education opportunities?	Increase number of working age adults with level 3 and above qualifications (LAA)	38.9% (09/10 LAA)	37.4% (04/05)

					Will the initiative promote sustainable living and/or working?	Home working?			
<b>Transport</b>	To reduce the effect of traffic in the community	Will the initiative reduce the need to travel or the distances needed to travel?		<b>Reduce the need to travel or the distances needed to travel</b>	Will the initiative reduce traffic congestion and improve safety for all road users?	No. green travel plans			
	To improve access to/of local services and facilities within and beyond the immediate neighbourhood				Will the initiative encourage walking, cycling and/or travelling by public transport?	Amount of new residential development within 30 mins public transport time of : a GP; a hospital, areas of employment, a primary school, secondary school, and a major retail centre(s) (AMR)	Extent of cycleway/footpath provision		
					Will the initiative promote sustainable travel and alternatives such as communication infrastructure which supports ideas such as home working?				
	Will the initiative reduce unnecessary freight movements?								

### Appendix 3: Scoping Report consultation comments summary

<b>Section</b>	<b>Respondent</b>	<b>Summary of Comments</b>	<b>Response</b>
<b>Review of relevant plans, policies and programmes</b>	Natural England	Agree that the plans, policies and programmes identified are relevant, but would also consider that Greater Manchester Biodiversity Action Plan should be included.	Include the GMBAP in the list of policies.
<b>Baseline Information</b>	Natural England	The biodiversity data could be expanded to point out the international designations of the Rochdale Canal and South Pennines Moors Sites, and reference made to later paragraphs where further detail is cited.	Amend the relevant sections accordingly.
<b>SA Toolkit / objectives</b>	Natural England	We concur with the use of the SA toolkit and the choice of objectives listed in Table 4.	Noted.

## **Appendix 4: Most relevant UDP policies**

The most relevant RUDP policies are listed below, the full wording of these policies can be found at:

[www.rochdale.gov.uk/environment\\_and\\_planning/planning.aspx](http://www.rochdale.gov.uk/environment_and_planning/planning.aspx)

- **Policy BE/2 – Design Criteria for New Development**

Sets out the general design principles for all new developments, including compatibility with surroundings.

- **Policy G/EM/12 – Renewable Energy and Energy Conservation**

Supports renewable installations where they have no unacceptable impact on the local environment, and measures to conserve and use energy efficiently within all development proposals through design, location and use of materials will be supported and encouraged.

- **Policy EM/13 – Energy Efficiency and New Development**

Development proposals which include measures to conserve and assist the efficient use of energy will be supported where this can be successfully incorporated into the design and layout, and where there are no adverse impacts on the amenity of the surrounding area (e.g. by virtue of visual impact, pollution and environmental disturbance).

- **Policy EM/16 – Sustainable Energy Sources**

Proposals for the development of sustainable energy installations will be permitted where they have no unacceptable adverse impacts on local amenity or environmental quality and are shown to make an appropriate contribution to local or regional energy needs.

## Appendix 5: Habitats Directive screening opinion

Screening Opinion on the Impact of the Rochdale MBC Energy and New Development Supplementary Planning Document on the South Pennine Moors Special Area of Conservation (SAC) and Special Protection Area (SPA)

November 2007

### Prepared by

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(The SPD is referred to as 'the Plan')

Although at this stage the Plan does not provide details of the actual operations that the plan will control and/or manage, general advice is provided as to the type of renewable energy that may be incorporated into new developments. These include wind power, wave, tidal, photovoltaics, hydrogeneration, geothermal and biomass. The potential impacts of these operations *when implemented as part of new developments* have been assessed against the potentially damaging operations for the special interest of the SAC.

It is recognized that the overall aim of the Plan is to mitigate the effects of climate change, and that the effects of climate change are a serious threat to the conservation of the SAC. This has been recognized during the preparation of the Opinion. However, in order to maximize the possible beneficial effects of the Plan on the conservation of the European special interest of the SAC it is important that operations controlled or managed by the Plan do as little harm to the SAC as possible. Further, the possible positive impact of the implementation of the Plan on the special interests of the SAC/SPA are impossible to quantify.

It is important to note that this Plan does not concern itself with the construction of 'stand alone' renewable energy generating sources such as large-scale wind farms or biomass power stations. It is concerned with the incorporation of relatively small-scale renewable energy sources into new developments as alternatives to conventional energy sources or small-scale additions. It is therefore considered that the Plan will not cause significant *additional* effects on the special interest of the SAC/SPA over and above those that may be caused by implementing a new development in any case.

No further screening or assessment under the terms of the European Habitats Directive is therefore considered necessary.

## **Appendix 6: Location of documentation and comments forms**

The consultation period for the SPD and the Draft Sustainability Appraisal is between **19<sup>th</sup> March 2008 and 23<sup>rd</sup> April 2008**. Comments on the documents can be made by:

- Using the on-line response form  
[http://www.rochdale.gov.uk/council\\_and\\_democracy/consultations.aspx](http://www.rochdale.gov.uk/council_and_democracy/consultations.aspx)
- E-mailing [strategic.planning@rochdale.gov.uk](mailto:strategic.planning@rochdale.gov.uk) giving your name and address
- Writing to Strategic Planning, Floor 2, Telegraph House, Baillie Street, Rochdale, OL16 1JH

The draft Energy and New Development Supplementary Planning Document, and the Sustainability Appraisal and other documents are available for inspection:

- On the Council's website  
[http://www.rochdale.gov.uk/council\\_and\\_democracy/consultations.aspx](http://www.rochdale.gov.uk/council_and_democracy/consultations.aspx)
- All the Rochdale Borough Libraries
- All Council Information Points
- Planning Reception, Floor 1, Telegraph House, Baillie Street, Rochdale (8.45am-4.45pm)

For more information or a Freepost response form phone Strategic Planning on Tel: 01706 924373 or email [strategic.planning@rochdale.gov.uk](mailto:strategic.planning@rochdale.gov.uk)

**Comments need to reach us by 23<sup>rd</sup> April 2008**