Appendix D: Appraisal of LDP Vision and Objectives

Final Sustainability Appraisal Report of Deposit Plan
September 2013
This appendix details the outcomes of the sustainability appraisal of the LDP Vision and Objectives.

The matrices were completed using the following symbols to show how compatible the LDP Vision and Objectives are with the sustainability appraisal objectives:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>✗</td>
<td>incompatible</td>
</tr>
<tr>
<td>✔️</td>
<td>compatible</td>
</tr>
<tr>
<td>-</td>
<td>no links</td>
</tr>
<tr>
<td>?</td>
<td>uncertain</td>
</tr>
</tbody>
</table>

The LDP Vision is:
“By 2020...Cardiff will be a world class European capital city with an exceptional quality of life and at the heart of a thriving city region”

The LDP Vision is taken from the emerging ‘Cardiff: What Matters’ Strategy, which will be delivered through 7 outcomes:
- People in Cardiff are healthy;
- People in Cardiff have a clean, attractive and sustainable environment;
- People in Cardiff are safe and feel safe;
- Cardiff has a thriving and prosperous economy;
- People in Cardiff achieve their full potential;
- Cardiff is a great place to live, work and play; and
- Cardiff is a fair, just and inclusive society

<table>
<thead>
<tr>
<th>SA Objective</th>
<th>LDP Vision</th>
</tr>
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<tbody>
<tr>
<td>1. Help deliver equality of opportunity and access for all</td>
<td>✔️</td>
</tr>
<tr>
<td></td>
<td>The LDP Vision aims to achieve outcomes to address inequality and deprivation, ensure education, and improve access to facilities and provision of affordable housing. Focus on education could be improved by explicitly mentioning the need for adult education opportunities as well securing futures for young people; however education for all is explicit in the LDP Objectives.</td>
</tr>
<tr>
<td>SA Objective</td>
<td>LDP Vision</td>
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<tr>
<td>2. Maintain and improve air quality</td>
<td>The LDP Vision incorporates “clean, attractive and sustainable environment”, this includes delivering sustainable transport and an explicit outcome to improve the quality of Cardiff’s environment. Specific LDP Objectives will assist in the delivery of air quality improvements.</td>
</tr>
<tr>
<td>3. Protect and enhance biodiversity, flora and fauna</td>
<td>The LDP Vision looks to improve biodiversity through the outcome for a “clean, attractive and sustainable environment” which includes improving the quality of Cardiff’s environment. This could be improved by aiming to protect biodiversity also; however the need to maintain, protect and enhance biodiversity is explicit within the LDP Objectives.</td>
</tr>
<tr>
<td>4. Reduce emissions of greenhouse gases that cause climate change and adapt to its effects</td>
<td>The LDP Vision aims to establish Cardiff as a ‘Carbon Lite’ City and as a sustainable travel city. The Vision could be improved by including the need to adapt to the effects of climate change and not just mitigate climate change through the reduction of carbon emissions. The need to adapt to the effects of climate change, however, is explicit in the LDP Objectives.</td>
</tr>
<tr>
<td>5. Protect and enhance historic and cultural heritage</td>
<td>The LDP Vision looks to improve the quality of Cardiff’s environment which will assist in maintaining and enhancing heritage. Additionally provision of world class cultural facilities is included. The LDP Vision is not explicit in the need to protect and enhance historic assets, or ensure that local character and distinctiveness is protected; however measures to ensure that these features are protected are set out in the LDP Objectives.</td>
</tr>
<tr>
<td>6. Help deliver the growth of a sustainable and diversified economy</td>
<td>The Vision contributes positively through the outcome “Cardiff has a thriving and prosperous economy”, which includes the creation of a sustainable economy, supports skill retention, and, encouraging business and entrepreneurs in Cardiff.</td>
</tr>
<tr>
<td>7. Improve health and well-being</td>
<td>Improving health and well being is well addressed through the LDP Vision across multiple outcomes covering life expectancy, encouraging healthy lifestyles, sustainable travel, reducing crime and ensuring that people are safe and feel safe in Cardiff.</td>
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### Table: SA Objective vs LDP Vision

<table>
<thead>
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<tr>
<td>8. Protect and enhance the landscape</td>
<td>The LDP Vision outcome of &quot;clean, attractive and sustainable environment&quot; includes improving the quality of Cardiff’s environment. The Vision would contribute more positively to the protection of landscape if it was specifically mentioned in the outcomes; however landscape issues are thoroughly covered by the LDP Objectives.</td>
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<tr>
<td>9. Use natural resources efficiently and safeguard their quality</td>
<td>The LDP Vision seeks to improve the quality of Cardiff’s environment, which would include natural resources. Issues such as the use of brownfield land, soils and mineral resources are not addressed but are adequately covered in the LDP Objectives.</td>
</tr>
<tr>
<td>10. Respond to demographic changes in a sustainable way</td>
<td>The LDP Vision supports the provision of a sustainable economy, affordable housing and facilities/services.</td>
</tr>
<tr>
<td>11. Minimise waste, increase re-use and recycling</td>
<td>The LDP Vision promotes a &quot;clean, attractive and sustainable environment&quot;. Whilst waste management and resource efficiency are not explicitly mentioned in the Vision they are adequately addressed within the LDP Objectives.</td>
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**Summary:**

The LDP Vision is a series of high level statements that support more detailed objectives, and sub objectives, beneath them. No changes to the LDP Vision are recommended as a result of this assessment.
The LDP high level objectives are:

1. To respond to evidenced economic needs and provide the necessary infrastructure to deliver development
2. To respond to evidenced social needs
3. To deliver economic and social needs in a co-ordinated way that respects Cardiff’s environment and responds to the challenges of climate change
4. To create sustainable neighbourhoods that form part of a sustainable city

The detailed LDP objectives are shown at Section 3 of the Final Sustainability Appraisal Report. The numbering was altered from 1.1 to 1.a etc between the 2012 Preferred Strategy and 2013 Deposit LDP. The original numbering is retained here for ease of cross reference to earlier documents.

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<tr>
<td>1. Help deliver equality of opportunity and access for all</td>
<td>✓ The LDP Objectives aim to: provide affordable housing (2.2) and access to education, employment, facilities and services (2.12), and promote social inclusion, equality of opportunity and access for all (2.14). Location of development is key for achieving sustainable transport solutions and networks.</td>
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<tr>
<td></td>
<td>• Suggest that Headline Objective (1) is amended to include “sustainable and accessible”</td>
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<tr>
<td></td>
<td>• Suggest that Sub-objective 2.6 is amended to include “employment opportunities”.</td>
</tr>
<tr>
<td></td>
<td>• Suggest that Sub-objective 2.12 is amended to include “especially in deprived” areas.</td>
</tr>
<tr>
<td>2. Maintain and improve air quality</td>
<td>✓ / ? – per capita</td>
</tr>
<tr>
<td></td>
<td>? / × – city wide</td>
</tr>
</tbody>
</table>

The LDP Objectives contribute positively towards assisting in the improvement of air quality through the provision of sustainable transport solutions, and by aiming to reduce the need to travel (1.10 and 4.1.2). Additionally Objective 3.3 makes strong commitments to maintaining and enhancing Cardiff’s natural environment (including air quality). However, whilst per person emissions may reduce as a result of the LDP, it is a plan for the growth of Cardiff and therefore it is recognised that it is unlikely that, overall, the city’s emissions to air will be decreased. Whilst growth *per se* may bring about increased absolute emissions for the city, the LDP Objectives put in place a framework to
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| 3. Protect and enhance biodiversity, flora and fauna | Mitigate these impacts and are considered appropriate.  
- Suggest that Sub-objective 1.10 is amended to include “reducing the need to travel”  
- Suggest that Sub-objective 2.10 is amended “provide a range of youth/adult learning opportunities for all…”  
- Suggest that Sub-objective 4.1.2 is amended to include “and decrease air pollution”  
- Mitigation: Ensure green infrastructure is provided to improve air quality.  
LDP Objective 3.3 makes strong commitments to protecting and enhancing biodiversity including international, national and local sites, the biodiversity value of recreational open spaces (e.g. parks). Additionally there is provision to protect areas without designation or of unknown biodiversity value, and the LDP Objective recognises the importance of flora in combating climate change. There is need to ensure the biodiversity value of brownfield land is considered and protected.  
- Suggest that Sub-objective 3.3 is amended to include “Networks that link together…” |
| 4. Reduce emissions of greenhouse gases that cause climate change and adapt to its effects | ✓ - per capita  
✗ - city wide  
The LDP Objectives assist and support in reducing carbon emissions by reducing the need to travel, encouraging a modal shift in transport, aiming to provide sustainable transport solutions (1.10) and aiming to adapt to and mitigate the effects of climate change, including flooding (3.1 and 3.2). However although carbon emissions per person may reduce as a result of the LDP, this is a plan for the city’s growth and as such it is unlikely that the city’s overall carbon emissions will reduce. Whilst growth per se may bring about increased absolute emissions for the city, the LDP Objectives put in place a framework to mitigate these impacts and are considered appropriate.  
- Suggest that Sub-objective 1.10 is amended to include “reducing the need to travel” and “and networks”.  
- Suggest that Sub-objective 3.1 is amended: Removed “consumption” in favour of “demand”  
- Suggest that Sub-objective 3.3 is amended: Add “The role that vegetation plays in combating climate change by providing shading, cooling and carbon sinks’  
- Suggest that Sub-objective 4.1.2 is reworded to strengthen against ‘car-based developments’ and for linkage to the ‘strategic cycle network’ |
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| 5. Protect and enhance historic and cultural heritage | ✓ The LDP Objectives contribute positively to ensuring the protection of historic and cultural assets. Objective 3 provides measures to protect and enhance historic assets, and measures to ensure that new development is respectful to existing character are included in objective 4. Objective 2 aims to provide accessible cultural facilities for all communities.  
• Suggest that Sub-objective 2.12 is amended to include “cultural facilities”.  
• Suggest that Sub-objective 3.4 amended to include “…including parks and amenity spaces” and to ‘define Cardiff’s distinctive character’ |
| 6. Help deliver the growth of a sustainable and diversified economy | ✓ The LDP Objectives provide all of the key drivers to deliver the growth of a diverse sustainable economy including: provision of a range of employment land and promotion of specialist sectors to promote economic diversity (1.1, 1.2 and 1.5), and providing good transport links. Location of development will be key to delivering sustainable economic growth.  
• Suggest that Headline Objective (1) is amended to include “sustainable and accessible”  
• Suggest that Sub-objective 1.2 is amended to include “…and well connected to other UK cities”  
• Suggest that Sub-objective 2.6 is amended to include “employment opportunities” |
| 7. Improve health and well-being | ✓ The LDP Objectives assist in the promotion of more healthy lifestyles by increasing the provision of cycle and walk ways (as alternative transport) (1.10), and aiming to protect public open spaces such as parks (3.3). Additionally Objective 2 promotes the inclusion of healthier food choices as part of community centres and facilities (2.8/2.12).  
• Suggest that Sub-objective 2.8 is amended, added “healthy food choices”  
• Suggest that Sub-objective 2.12 is amended, added “shops with healthy food choices” |
<p>| 8. Protect and enhance the landscape | ✓ The LDP Objectives, specifically Objective 3, contribute positively toward the protection of Cardiff’s distinctive landscape features both designated and undesignated. Sub-objective 3.3 also aims to safeguard geodiversity and important geological sites. |
| 9. Use natural | ✓ |</p>
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<td>resources efficiently and safeguard their quality</td>
<td>Several of the measures within the LDP Objectives contribute positively to the Sustainability Objective including: the protection of Cardiff’s mineral supply (1.11), protection and enhancement of water and soil quality (3.3), increasing water efficiency (4.1.4) and the promotion of good design with resource efficiency (4.1.9). However, there may be issues with sustainably sourcing appropriate building materials for development.</td>
</tr>
<tr>
<td>10. Respond to demographic changes in a sustainable way</td>
<td>✓ The LDP Objectives effectively address what is required to meet the needs of Cardiff’s growing population both socially and economically. However, it is also important to consider how population growth will impact on factors such as carbon emissions and waste (see Sustainability Objectives 4 and 11). It is recognised that, whilst the amount of carbon emissions and waste per capita may decrease over the plan period, the absolute levels of these will probably increase as a direct result of growth of the city and its population; however the LDP Objectives put in place a framework to mitigate these impacts and are considered appropriate.</td>
</tr>
</tbody>
</table>
| 11. Minimise waste, increase re-use and recycling                         | ✓ - per capita  
  ✓ - city wide  
  LDP Objective 4 aims to minimise waste, maximise recycling (4.1.3) and reuse and promote good design (4.1.9), which may reduce the waste generated by developments both during construction and after completion. However, whilst the LDP will contribute positively and assist in reducing the amount of waste from development and per capita, it is recognised that the total waste arisings will probably increase over the plan period in Cardiff as a result of growth. Whilst growth per se may bring about increased absolute waste arisings for the city, the LDP Objectives put in place a framework to mitigate these impacts and are considered appropriate.  
  • Suggest Sub-objective 1.12 is divided into 3 separate sub-objectives  
  • Suggest an additional sub-objective division to 4.1 to reflect the need to plan for waste in neighbourhoods.  
  • Suggest that Sub-objective 4.1.3 is amended, add “stored” and “reused” |

Summary: Overall the LDP Objectives support the Sustainability Objectives. The appraisal has resulted in some suggested changes to the LDP Objectives as detailed above and in table 5.2 of the Final Sustainability Appraisal Report of the Deposit LPD.