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Foreword
I have lived in Cardiff all of my life and seen many changes to our great City. In recent decades I supported the huge transformation of the City Centre and Cardiff Bay. At the time there were many who questioned outcomes but I think we can all now see how Cardiff has emerged as a genuine destination worthy of its capital city status.

In many respects, I believe we’re now at another key point in Cardiff’s evolution. We are witnessing a significant demand for new jobs and new homes, especially affordable and family accommodation. We have also reached the point where we need a new strategic sustainable transportation approach so our city can keep moving and improve links with surrounding areas.

New development must also bring with it supporting infrastructure and community facilities. We also need to deliver development in a manner which best protects our valued open spaces, river valleys and countryside backdrop. Elected Members of the Council must show strong leadership like previous ‘City Fathers’ and grasp the opportunity of setting out the next chapter in Cardiff’s development. Having a plan in place to make this happen is absolutely crucial.

Regrettably, we do not have an up to date plan in place in Cardiff. The previous LDP had to be withdrawn primarily because the ‘brownfield only’ strategy was unsound. The resultant delay has meant the current LDP must also cater for an additional 5 year period. This requires nearly the equivalent number of homes proposed to be built in the plan period on the Strategic Sites South of Creigiau, North of Junction 33 and North West Cardiff put together based on past 10 year average build rate.

Moreover, the most recent Local Plan for Cardiff was approved in 1996. That was 17 years ago and the result now is that there is insufficient land currently available for development. This cannot be the right way for the capital city of Wales to move forward.

The consequences of not having an LDP in place are already being felt. Put quite simply, not having a plan in place does not stop development. All that happens is that development still takes place, but in a policy vacuum where the Council and its residents have limited control. Appeals have been lost for development in the open countryside and new applications are being submitted in an ad hoc manner leaving the Council on the back foot in terms of securing supporting infrastructure and community facilities.

This situation cannot continue. A plan-led approach is the only way forward where the Council sets out a clear strategy for the future.

Since consulting on the Preferred Strategy, considerable effort has gone into preparing the Deposit LDP. The Plan, along with extensive supporting documentation, will be placed in the public domain as part of the 6 week public consultation process in October and November.

The approach broadly follows that set out in the Preferred Strategy. However, some amendments have been made in response to consultation feedback, new evidence and changes in circumstances which are tabled in the Report.
I would highlight that the Plan now includes a Green Belt on land North of the M4. This will protect for future generations the Caerphilly Mountain and Garth Mountain areas which form a strategically important green backdrop to the city.

On the issue of growth levels, further work by independent population experts has provided the evidence to support a slightly lower level of new homes and some strategic sites have a slightly lower proposed capacity.

Since taking Office, I have been more than willing to meet with Members from different Groups and I have also met with other Organisations. Through these meetings, I sense a growing realisation that the Plan must meet the evidenced need for new homes and jobs. I also detect consensus for the overall approach to managing development which is reflected in the strong public support for policies in the Preferred Strategy consultation.

I believe attention is now beginning to shift into the details of how the strategy can be delivered. In this respect, you will find much more detail in the Deposit LDP and supporting documents. For example, the master-planning approach provides a framework for the orderly and sustainable delivery of new development areas including the provision of necessary infrastructure.

Supporting documents also outline extensive work undertaken in progressing strategic sustainable transportation solutions and on the Infrastructure Plan. Further work will continue to help develop the best possible sustainable transportation solutions for Cardiff and in this context I will be examining exemplar transportation schemes successfully implemented elsewhere.

However, please be aware that the Deposit LDP is not the end of the LDP process. More work will be undertaken to provide further details to inform the examination process: Detailed site Master Plans will be prepared, further transportation detail will be developed and new Supplementary Planning guidance will be consulted upon.

To date, nearly half of Welsh Local authorities have a new LDP in place. Cardiff, along with the Vale of Glamorgan and Newport are at similar stages and once these plans are adopted, they will form the building blocks of a potential new, more strategic approach, to planning in the region.

In conclusion, I would stress that we are currently very much on the back foot due to the lack of a sound and up to date Plan. There is a clear opportunity for the Council to take the initiative back and work together to deliver this strategy to effectively manage our great city’s future.

It is important that as many people and interests as possible are aware of this Plan. Assuming the Deposit LDP is approved at Council in September, this document and supporting technical material will be subject to a 6 week public consultation process in October and November, 2013. The consultation process will include public events with full details being set out on the Council’s website and in, ‘The Capital Times’.
I very much hope that you will take the time to consider the issues raised and submit your views as part of the formal consultation process at that time. Section 7 of this document explains how you can make comments.

Thank you again for showing interest in this important document and I look forward to receiving your feedback.

Councillor Graham Hinchey
Cabinet Member for Strategic Planning, Traffic & Transport
Cardiff urgently requires a new Plan to guide future development. This section provides a brief summary of the Deposit Local Development Plan (LDP) and also highlights the main changes since the Preferred Strategy was approved in October, 2012.

1. Adopting a new Plan for Cardiff which is urgently required

- Existing Development Plans in Cardiff are out of date.
- There is currently an insufficient supply of housing land in Cardiff.
- For the first time in generations, there are currently no significant urban extensions underway.
- Recent appeals have been lost for development in the open countryside and the submission of new greenfield planning applications continues.
- There is a real danger of an unplanned ‘free for all’.
- The need to have a new plan in place is therefore acute.

2. Making provision for new homes and jobs

- Cardiff has a significant need for new homes including family homes, affordable homes together with catering for the whole range of needs.
- Cardiff also plays a key role as economic driver of the wider city-region, providing much needed jobs for the whole region.
- The Plan aims to respond to these evidenced social and economic needs in a balanced way - respecting environmental qualities, providing a framework to manage delivery and provide new infrastructure together with carefully managing impacts.
- Independent population forecasting experts have recently assessed future growth scenarios and recommended to the Council that a lower dwelling growth rate than that proposed in the official projections and Preferred Strategy is used for the Deposit LDP.
- The overall level of growth is considered to represent the most robust, balanced and appropriate approach taking into account all relevant factors and the advice of independent population forecasting experts.
- It sets out a Strategy to deliver 41,100 new dwellings and 40,000 new jobs over the Plan period including ways to provide flexibility should build rates be higher than anticipated.
- This level of growth is considered appropriate to deliver Wales Spatial Plan objectives, the Council’s overall vision and the LDP objectives.
- New homes, jobs and supporting facilities will be provided from numerous sources including:
  - Those already built since the start of the Plan period in 2006;
  - Minor adjustments to existing housing stock- Taking account of anticipated demolitions and changes of use based on past rates;
  - Commitments- Sites with the benefit of an existing planning consent or resolution to grant subject to the signing of a legal agreement;
Anticipated windfall provision- Those sites likely to come forward over the Plan period through natural change in an urban area the size of Cardiff; and

- New allocations including brownfield sites, greenfield sites of different scales and land use combinations.

- Overall, for the whole Plan period, this represents approximately 65% of all new homes being provided on brownfield sites and 35% provided on greenfield sites.

- The provision of a genuine range and choice of new sites is crucial in effectively delivering the required level of growth, delivering LDP objectives, providing flexibility and the ability to meet a wide range of evidenced need for new homes and jobs.

- Key strategic sites to deliver this need are proposed at:
  - Cardiff Central Enterprise Zone
  - Former Gas Works, Ferry Road
  - North West Cardiff
  - North of Junction 33
  - South of Creigiau
  - North East Cardiff (West of Pontprennau)
  - East of Pontprennau Link Road
  - South of St Mellons Business Park

3. Putting in place a framework to manage future growth and encourage high quality, sustainable design

- Policies and mechanisms have been put in place to provide a framework to effectively manage future growth.

- Areas to be kept free from development are made explicit avoiding the current climate of uncertainty created by not having an adopted Plan in place. Protected areas include the designation of Green Belt North of the M4 Motorway together with tight settlement boundaries policy county-wide and protection of river valleys and open spaces.

- Collectively, these policies protect vast tracts of Cardiff’s valued countryside, river valleys and open spaces.

- The masterplanning approach provides an over-arching framework for the development of new areas setting out key requirements relating to land use, densities, facilities, transportation, open spaces and phasing.

- Further work on the detailed masterplanning of areas will be carried out within this over-arching context.

- Design policies and guidance set out expectations encouraging more sustainable forms of development.
4. Bringing forward new infrastructure

- New development will clearly create the need for new infrastructure.
- The Plan sets out an approach which requires the timely provision of new infrastructure including community facilities, transportation and other services.
- Whilst it is recognised that some significant elements of infrastructure may take many years to complete, the Strategy seeks to ensure that each phase of new development is tied to the provision of necessary infrastructure with each stage of development being able to demonstrate an acceptable level of supporting facilities.
- An Infrastructure Plan is contained as a Supporting Document setting out future requirements.
- Further dialogue and consultation findings will help further develop a detailed list of required infrastructure along with funding opportunities including the roles of Community Infrastructure Levy (CIL) contributions for strategic projects to Section 106 Agreement contributions for local priorities together with other potential funding streams from the public and private sectors.

5. Delivering sustainable transportation solutions

- The overall approach seeks to minimise travel demand and provide a range of measures and opportunities which reduce reliance on the car.
- New development in Cardiff must be integrated with the provision of new transport infrastructure which can help contribute to this objective by putting in place sustainable transport solutions which also provide improved travel choices for the wider community.
- This approach is fully consistent with on-going work at a city-region scale which seeks to develop a more effective public transport network across the region as a whole, helping people travel from where they live to work and thereby helping to spread prosperity around the entire city-region.

6. Responding to evidenced economic needs

- The key economic role performed by Cardiff must be maintained and enhanced for benefits to Cardiff, the city-region and Wales.
- Evidence demonstrates that Cardiff has consistently delivered a high proportion of jobs in the city-region.
- The Strategy responds to this by ensuring a full range and choice of economic opportunities across all relevant sectors.
- The Cardiff Central Enterprise Zone will be a key element of the approach but there is also a need to maintain the roles of the City Centre, Cardiff Bay, existing employment sites together with providing a range and choice of sites to cater for demand across sectors.

7. Responding to evidenced social needs
Cardiff experiences some significant social needs, with particularly high housing demand projected to continue over the Plan period.

The Strategy aims to positively respond to these needs by providing a wide range and choice of sites to respond to the full diversity of needs, including those from the Gypsy and Traveller community as required in national policy and guidance.

Overall, the Plan promotes more sustainable communities where emphasis is placed on supporting District & Local Centres, encouraging the full range of accessible social, health and educational facilities, together with supporting regeneration initiatives and utilising the potential positive benefits which new developments can bring to adjoining areas.

8. Respecting Cardiff’s environment and responding to climate change

- Cardiff possesses a unique and particularly distinctive natural and built heritage.
- The Plan delivers sustainable development by meeting social and economic needs, but in a managed way which retains, manages and enhances important features of natural and built heritage.
- Central to this approach is the designation of a Green Belt to the North of the M4 Motorway, strict settlement boundaries policy together with protection to the river valleys and open spaces.
- In this way, Cardiff’s distinctive environmental qualities can be successfully maintained with further opportunities to enhance their management and increase public enjoyment.
- Detailed policies provide clear guidance relating to important elements of Cardiff’s biodiversity, landscape and built heritage.

9. Main changes since Preferred Strategy

In response to consultation responses and on-going evidence base work, the following main changes/updates have been made to the Plan from that set out in the Preferred Strategy:

- Inclusion of a Green Belt for long term protection of land north of the M4 motorway;
- Reduction in the overall level of housing growth from 45,400 in the Preferred Strategy to 41,100 dwellings to reflect the findings of independent population forecasting experts Edge Analytics Ltd;
- Provision for a flexibility allowance of 10 per cent to ensure the plan can accommodate potentially higher build rates than anticipated, if it is demonstrated necessary through annual monitoring in later phases of the Plan period;
• Reduced overall number of new dwellings proposed on some Strategic Sites responding to issues raised in consultation together with work and dialogue as part of developing the masterplanning framework on potential sites;
• More detail on the masterplanning framework for Strategic Sites including more detail on transportation solutions, community facilities and infrastructure. Further detail will be provided to inform the LDP examination through the preparation of site specific Master Plans along with other technical material;
• Inclusion of Eastern Bay Link as a strategic transport proposal following Welsh Government support for the scheme;
• Amending the affordable housing target where there evidence of need to 30% on greenfield sites and 20% on brownfield sites to reflect new evidence and consultation responses relating to the viability of affordable housing schemes;
• Allocation of a new Gypsy and Travellers site at Pengam Green; and
• Allocation of land for health-related uses adjacent to Heath Hospital and for employment use (research/ higher education-related) at Maindy Park
Introduction
The need for a new adopted Plan

1.1 Cities change. Cardiff is no exception and has grown year on year for generations. This has seen Cardiff become the Capital City of Wales and centre of a wider city-region providing an important source of jobs and services for the whole of South East Wales.

1.2 New homes, jobs, supporting transportation and other facilities will be required to meet the needs of future generations. These needs must be carefully balanced against environmental and quality of life factors.

1.3 The Cardiff Local Development Plan (LDP) is the tool to address these issues. It represents a 'plan-led' approach to meeting future needs. All Local Authorities in Wales must prepare a LDP. Many have now been adopted, with others reaching advanced stages.

1.4 Without a Plan in place, there would be an unplanned, piecemeal, ‘free for all’ which would not be desirable. In Cardiff, the need for a new Plan is more acute than elsewhere for a number of reasons:

- The existing Development Plan framework is seriously outdated with the Structure Plans and Local Plan being over 16 years old;
- In Cardiff, unlike most other Local Authorities in Wales, a Unitary Development Plan designed to replace the old Structure and Local Plans was never adopted;
- The first attempted LDP had to be withdrawn due to the Inspector’s significant concerns (particularly critical of a ‘brownfield-only’ Strategy). The delay has caused the Plan period to be extended by 5 years, significantly raising the level of development required in this Plan and lengthening the period of time without an adopted Plan in place;
- There is currently an insufficient housing land supply which has resulted in the Council losing planning appeals for development in the open countryside;
- This is the first time in generations that Cardiff has no significant urban extensions taking place. Evidenced need for new homes is therefore not currently being met resulting in a build-up of latent demand; and
- Cardiff experiences significantly higher development pressures than many other parts of Wales. Many greenfield planning applications have recently been submitted underlining the need for a new, up to date framework to be put in place.

The Local Development Plan (LDP) process

1.5 The LDP will provide the statutory framework for the development and use of land within Cardiff over the Plan period (2006-2026). This fulfils the requirements of The Planning and Compulsory Purchase Act 2004 which requires the Council to prepare a LDP. Once adopted, it will replace existing Structure Plans and Local...
Plans relating to Cardiff which are now outdated as explained above. It will be used by the Council to guide and control development and provide the statutory local policy context for determining planning applications.

1.6 The Plan must be prepared in accordance with formal regulations and involves numerous stages of preparation together with associated consultation and engagement. A document called the, ‘LDP Delivery Agreement’ sets out a timetable for preparation along with details of consultation as the Plan progresses. This was agreed with the Welsh Government on 5th December, 2011. Progress to date has fully accorded with the agreed timetable.

The Deposit LDP

1.7 The Deposit LDP is an important stage of the plan preparation process. It contains an overall Strategy together with land use allocations and detailed policies. The Plan aims to deliver the Council’s overall vision as set out in the 10 year, ‘What Matters’ Strategy (2010-2020) and also takes account of the national and regional policy framework (summarised in Appendix 3). Furthermore, a wide range of evidence has been collected to inform the plan along with collaborative working, and findings from consultation and engagement processes.

1.8 Importantly, the Deposit LDP is the next stage of the LDP preparation process following the Preferred Strategy which was approved by Council in October 2012. The Preferred Strategy set out the proposed strategic approach to meeting development needs over the Plan period and was subject to a six week consultation period. The Deposit LDP therefore takes full account of the Preferred Strategy, the consultation findings, analysis of up to date evidence together with all other relevant material factors.

1.9 The Plan contains the following sections:

- Foreword;
- Summary;
- Introduction;
- LDP Vision & Objectives;
- Strategy, Key Policies and Key Diagram;
- Detailed Policies;
- Monitoring and Implementation;
- How to make comments;
- Proposals Map and Constraints Map.

1.10 Numerous Appendices and Supporting Documents have also been prepared which contain relevant background work underpinning the Plan. These have been placed in the public domain to assist readers in gaining a full understanding of the evidence informing Plan content. This also allows the Deposit LDP to be a
more succinct and user-friendly document without being over-cluttered with technical material. A full list of Supporting Documents is provided in the contents section of this document.

Deposit LDP and Alternative Sites consultation

1.11 The Deposit LDP will be subject to 6 weeks consultation. Full details of how to make comments are provided in Section 7. The Council will acknowledge and carefully consider all comments made. Following the Deposit LDP consultation process, the Council must also consult on ‘alternative sites’ which will involve seeking views on alternative sites for development which have been put forward by parties commenting on the Deposit LDP.

1.12 The Council will then consider all comments made and prepare any proposed, ‘focussed changes’ to the Deposit LDP which depending on timing is either before or after it is submitted for a process of formal examination. A series of Supporting Documents will also be submitted including an updated version of the Initial Consultation Report summarising representations made along with the Council’s response.

Independent examination

1.13 Ultimately, approval for the Plan rests with an independent Inspector who will decide if the Plan is fit for purpose by assessing it against ten, ‘tests of soundness’. These are listed in Appendix 8 together with an explanation of how the Council considers the document contents and preparation process accord with these tests.

1.14 The examination process will commence once the Council formally submits the plan to the Welsh Government. The process will be co-ordinated by the independent Inspector and include examination sessions to explore issues. Further evidence may be provided by the Council and others to assist the independent Inspector fully explore any relevant matters. Once the examination process is completed, the independent Inspector will issue a binding report including any changes required to the Plan.

Adoption, Monitoring and Review

1.15 The Council must formally adopt the LDP within 8 weeks of the receipt of the independent Inspector’s Report. Following this, the Council will work with others to implement the Plan and take decisions within the new adopted policy framework.
1.16 In order to assess how effectively the Plan is being implemented, the Council must prepare an Annual Monitoring Report (AMR). The report will be based on the indicators as set out in Appendix 9 to this document. This is an important aspect of the LDP process since evidence collected through annual monitoring can be used to inform LDP review which takes place every 4 years.

Supplementary Planning Guidance (SPG)

1.17 These are non-statutory documents intended to provide useful advice and guidance which expand on policies set out in the Deposit LDP. They must be subject to public consultation but are not documents to be assessed by the LDP independent Inspector. Appendix 5 of this document lists all proposed new and/or updated SPG which are intended to be prepared and at which stage of the LDP process. In this respect, it should be noted that a phased programme of preparation is proposed.

Other assessment processes

1.18 In addition to the overall independent examination of the LDP, the Plan must also be subject to two further formal assessment processes as described below:

- The Sustainability Appraisal (SA) and Strategic Environmental Assessment (SEA) processes - these are required by the Planning and Compulsory Purchase Act 2004 and the SEA Regulations to ensure that the LDP policies reflect sustainability principles and take into account impacts upon the environment. The Final SA Report forms Supporting Document 11; and
- The Habitat Regulations Assessment (HRA) - this process is required to determine the likely significant effects of the Plan on European Sites of nature conservation importance. The HRA forms Supporting Document 12.

1.19 Furthermore, the Deposit LDP has been subject to the following additional internal assessments designed to further scrutinise the Plan contents:

- Health Impact Assessment - a process involving relevant stakeholders in assessing the health implications of the Plan. A summary forms Supporting Document 13; and
Introduction
The Cardiff Context and Key Issues the Plan must address
2.1 This section provides a summary of the Cardiff context and some of the key issues which have informed the Plan. A fuller version is contained in Appendix 4 of this document along with a summary of the national and regional policy framework together with reference to the existing Development Plan framework in Cardiff.

The Cardiff Context

- Largest urban area in Wales with a population of 345,400.
- Key driver of city-region economy in South East Wales.
- 1.4 million live within 45 minutes drive time of the city.
- Capital city of Wales, seat of Welsh Government.

Key social trends and issues

- Cardiff’s population has risen steadily over past 20 years - over 3,500 each year since 2001.
- Official projections indicate continued population growth over the Plan period.
- Significant need for affordable housing- 9,710 people currently on combined housing waiting list.
- Local Housing Market Assessment (2013) indicates a need for over 3,989 affordable dwellings for each of the next 5 years to address need. In addressing this need the Council will need to have regard to the latest welfare reforms and the need to provide smaller dwellings.
- Family housing is a key need.
- A need for 108 permanent Gypsy and Traveller pitches and a regional need for a 10 pitch transit site have been identified over the Plan period to 2026.
- Students comprise approximately 10.8% of Cardiff’s population.
- Ethnic minorities comprise 15.5% of Cardiff’s population, higher than the Wales average but similar to the England/Wales average.
- Welsh speakers are less than the Wales average but there are considerable variations within communities.
- The city experiences substantial health inequalities.
- Whilst Cardiff possesses a generally high quality of life, there are areas of deprivation geographically mostly concentrated in, ‘the southern arc’.
- Community safety is a key issue emerging from residents’ surveys.
- Cardiff performs well compared to Wales and the UK average in attaining high-level skills and 39% of its workforce educated to degree level or above.

Key economic trends and issues

- Cardiff accounts for 32% of total employment in South East Wales and its economy is generally strong and buoyant.
- Cardiff’s employment workforce totals nearly 189,000 with 88% of jobs being in the service sector.
Cardiff & the Vale of Glamorgan generate 22% of the Welsh GVA (Gross Value Added).

Unemployment in Cardiff was 4.5% in March 2013.

The recession has caused the loss of approximately 4,700 jobs between 2008-2010.

Cardiff has one of the highest percentages of high growth firms in the UK between 2002-2010.

Inward investment trends are improving but continue to trail other leading core cities.

The City Centre and Cardiff Bay remain the principal office locations complemented by out of centre sites but Cardiff lacks a large supply of Grade A office space and the Plan supports the on-going regeneration of the Bay Business Area, including Mount Stuart Square.

The total industrial stock in Cardiff is approximately 19.2 million square feet and mainly concentrated in the south/eastern area of the city but only 6.1% of the stock is less than 5 years old.

Cardiff City Centre is the main shopping centre for South East Wales and is ranked the 6th top retail centre in the UK.

The leisure and tourism sector generates significant economic and cultural benefits for the city.

Key transportation trends and issues

- Traffic on Cardiff’s roads grew by 9% between 2002-2012.
- 56% of Cardiff’s residents travel to work by car.
- Nearly 77,900 people commute into Cardiff each day by all modes (37% of Cardiff’s workforce). The 2001 Census indicates that approximately 80% of commuters travel to Cardiff by car.
- Travel on rail services has increased considerably - the use of Cardiff Central and Queen Street Stations has risen by 82% between 2001-2011.
- Cycle use has increased 10% between 2001-2011 but bus use has fallen slightly over the same period.
- Cardiff International Airport is located within the Vale of Glamorgan providing the closest international links to Cardiff.
- The operational port in Cardiff performs an important role in terms of freight movement.

Key environmental trends and issues

- Cardiff is located within a well defined landscape setting with prominent ridges to the west and north and Severn Estuary to the south.
- The countryside and urban areas contain a wealth of natural and historic interests. For example, there are almost 1,000 Listed Buildings, 27 Conservation Areas, 4 sites noted for their international biodiversity
The city has a particularly rich Victorian and Edwardian legacy.
- Cardiff has over 400 hectares of recreational open space and 2000 hectares of amenity space. The four river valleys of the Ely, Taff, Rhymney and Nant Fawr provide extensive and continuous corridors running from the countryside and through the urban area.
- Good quality agricultural land is known to exist in some areas.
- Flooding is known to pose a risk in relation to fluvial, tidal and surface water. Detailed studies have been undertaken to assess the extent of this risk and inform the Plan.
- The main source of CO2 emissions in Cardiff are from industry (45%) with domestic sources contributing 30%.
- The main source of emissions affecting air quality is road traffic (nitrogen oxide the main pollutant).
- Current production of renewable energy in Cardiff is low.
- Over the past 10 years, recycling rates in Cardiff have risen from 4% to 55%.
- Cardiff possesses a significant and good quality of mineral reserves.
- Water quality in the main rivers is improving but still falls below the requirements of the Water Framework Directive.
LDP Vision and Objectives
Background

3.1 The vision and objectives provide an over-arching context for the Plan that shows how economic, social and environmental considerations can be balanced to deliver the sustainable development of Cardiff up to 2026. They take full account of the strategic issues relevant to Cardiff and policy context provided by the Council’s, ‘What Matters’ Strategy (2010-2020) which brings together the Community Strategy; Children & Young People’s Plan; Health, Social Care & Wellbeing Strategy and the Community Safety Strategic Assessment into one document. The Council has worked together with partners from the public, private and voluntary sectors in Cardiff to set out the collective vision for the city contained in this document. Furthermore, the vision and objectives also take account of the Council’s Strategic Equality Plan which sets out the Council’s strategic equality objectives and the Wales Spatial Plan (WSP) that recognises the role played by Cardiff in helping to spread prosperity in the area and delivering a high quality of life.

Vision

3.2 The LDP vision is as set out in the 10 year, ‘What Matters’ Strategy (2010-2020) which is that:

“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”.

3.3 Partners have agreed seven strategic outcomes that, if achieved would represent ultimate success and the realisation of the vision. The outcomes are that:

- 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.

3.4 It is important to recognise that the LDP cannot deliver all of these outcomes alone as many issues extend beyond land use planning matters and the remit of the document. However, the LDP is a crucial strategic document that must create the right conditions which both directly and indirectly assist and support the delivery of these outcomes.
3.5 Key priorities have been identified for each of the outcomes. These are:

**People in Cardiff are healthy**
- Reduce inequalities in health and address the differentials in life expectancy across the city;
- Promote healthy lifestyles and prevent ill health; and
- Improve effectiveness of our service delivery to vulnerable adults and children and young people.

**People in Cardiff have a clean, attractive and sustainable environment**
- Establish Cardiff as a sustainable ‘Carbon Lite’ city;
- Improve the quality of Cardiff’s environment; and
- Establish Cardiff as a sustainable travel city.

**People in Cardiff are safe and feel safe**
- Ensure people are safe from harm, abuse and exploitation;
- Develop communities and neighbourhoods in Cardiff which are cohesive;
- Ensure people are free from crime and the effects of crime; and
- Ensure people are safe in their environment.

**Cardiff has a thriving and prosperous economy**
- Build strong futures for children and young people by focusing on education, training and employment opportunities;
- Improve opportunities for the creation of quality and sustainable employment; and
- Create an environment that develops, attracts and retains skilled workers, businesses and entrepreneurs to Cardiff.

**People in Cardiff achieve their full potential**
- Encourage active citizenship and participation in all aspects of life;
- Support vulnerable families and individuals to achieve and maintain their independence and ambition; and
- Support and provide access to appropriate learning and training provision for all.

**Cardiff is a great place to live, work and play**
- Provide the level of urban design infrastructure and connectivity required to make Cardiff a great place to work and do business;
- Support and maintain strong safe and sustainable neighbourhoods;
- Ensure the provision of high quality sustainable and affordable housing; and
Develop world-class leisure, cultural and sporting facilities – that reflect the wants of citizens and visitors.

Cardiff is a fair, just and inclusive society

Enable all people in Cardiff to meaningfully engage and participate in decision making processes;

Mainstream equality issues at strategic and operational levels; and

Reduce inequalities through a joined-up, targeted approach.

Objectives

3.6 The LDP objectives set out in more detail how the LDP vision can be addressed through the planning system. They respond to spatial elements contained in the vision together with the economic, social and environmental strands set out in the strategic outcomes.

3.7 In spatial terms, the vision recognises the key role that Cardiff plays as being the heart of a thriving city-region. Nearly 77,900 people commute into the city each day which demonstrates the important economic and social role Cardiff plays in relation to the wider region.

3.8 The vision fully recognises economic, social, environmental, as well as sustainability issues. It is the aim of the LDP objectives to respond to the evidenced economic and social needs but in a way that is co-ordinated, respects and enhances Cardiff’s environment and sets out a framework for delivering the sustainable neighbourhoods of the future. This is delivering sustainable development locally and improving the long term economic, social and environmental wellbeing of people and communities in Cardiff. In this way, the LDP can help create sustainable neighbourhoods that form part of a sustainable city that lies at the heart of a sustainable city-region.

3.9 The objectives are set out under 4 main headings:

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 and enhances Cardiff’s environment; and
4. To create sustainable neighbourhoods that form part of a sustainable city.

1. To respond to evidenced economic needs and provide the necessary infrastructure to deliver development.
a. To effectively respond to Cardiff’s role as capital city for Wales, seat of the National Government and centre of the city-region in terms of providing a range and choice of economic opportunities that will drive the prosperity of the region.

b. To maximise the economic potential of the city centre of Cardiff as a major financial and service sector opportunity that builds upon its position next to a transport hub of national and regional significance and is readily accessible from all areas within the city and well connected to other UK cities.

c. To maintain and enhance the vitality, attractiveness and viability of the city centre as a major retail and cultural destination and as a place to work, visit and live.

d. To continue the successful regeneration of the Cardiff Bay area, maximising opportunities for quality commercial buildings and further development, particularly water and river frontage developments that can provide attractive and distinctive environments.

e. To promote clusters of specialist sectors and research & development expertise including the following key sectors:
   - ICT;
   - Energy and environment;
   - Advanced materials and manufacturing;
   - Creative industries;
   - Life sciences; and
   - Financial and professional services.

f. To ensure a range and choice of employment land and business premises at sustainable locations across the city is provided to assist economic competitiveness, encourage entrepreneurship, promote the growth of indigenous businesses of all types and size and attract inward investment.

g. To assist the promotion of Cardiff as a major tourist destination including the provision of the development of a variety of high quality tourist facilities and visitor accommodation.

h. To create a physical and economic environment that develops, attracts and retains skilled workers, businesses and entrepreneurs to Cardiff together with maximising links with Universities and supporting indigenous skills and enterprises.

i. To quantify critical strategic infrastructure required to realise development aspirations and set out clear mechanisms for delivery including sustainable transport solutions for strategic sites.
j. To establish Cardiff as a sustainable travel city by reducing the need to travel, increasing the use of sustainable travel modes and networks (particularly walking and cycling), decreasing private car use and improving the city’s key transport hub based at the adjacent central bus and train stations.

k. To protect existing mineral resources and ensure an adequate supply of limestone aggregates in the north west of the city for the construction industry and to promote their efficient and appropriate usage, including the use of recycled aggregates where possible.

l. To support sustainable collection and recycling methods for Municipal Waste by maintaining and improving an integrated network of facilities in Cardiff.

m. To lead and participate in securing regional facilities for the sustainable treatment and disposal of Municipal Waste in accordance with the Regional Waste Plan and in a manner that follows the waste hierarchy which seeks to maximise the reduction of waste in the first place and thereafter reusing, recovering and recycling options before the disposal of waste material is considered.

n. To facilitate an integrated network of commercial and industrial sustainable waste management facilities consistent with the needs of the South East Wales area and in a manner that follows the waste hierarchy which seeks to maximise the reduction of waste in the first place and thereafter reusing, recovering and recycling options before the disposal of waste material is considered.

2. To respond to evidenced social needs.

a. To provide new homes required to support the economic progression of the city and to respond to population change, continued in-migration and evidenced demand for affordable and family housing so that social needs can be addressed.

b. To provide a range and choice of new homes of different tenure, type and location that meets specific needs such as the provision of affordable housing, family accommodation, housing for the elderly, the disabled and students and pitches for the gypsy and traveller community.

c. To maximise the use of the existing building stock through refurbishment, retro-fitting and empty homes initiatives.
d. To bring about changes to Cardiff’s environment and neighbourhoods that help to tackle health inequalities, promote good health and enable healthier lifestyles to be led by the city’s population in line with Cardiff’s status as a World Health Organisation, ‘Healthy City’.

e. To bring about changes to Cardiff’s environment that create a safer city and reduce the likelihood, fear and consequences of crime.

f. To create an environment that is made more accessible to all groups in society so that the employment opportunities, facilities and services of the city can be more readily used and enjoyed by all.

g. To maximise the multi-functional role played by Cardiff’s parks, open spaces and allotments together with improving their accessibility for the whole community.

h. To recognise, support and enhance the key role played by existing District, Local and Neighbourhood Centres as accessible local hubs providing community services, local shops, healthy food choices, businesses, employment and access to public transport.

i. To support the regeneration of local neighbourhoods including reducing inequalities, particularly areas experiencing high levels of deprivation, areas vulnerable to decline and areas with opportunities for change.

j. To ensure that the necessary education and training facilities are provided and are accessible to all: to build strong futures for children, provide a diverse range of learning opportunities for all and assist economic progress through the development of required skills.

k. To develop new cultural, leisure and sporting facilities to meet needs and enhance Cardiff’s role as a premier cultural and sporting destination.

l. To ensure that the necessary community and cultural facilities (community centres, shops with healthy food choices, youth facilities, child care, faith buildings, health centres, etc.) are provided that are accessible to all, especially in areas that are deprived.

m. To address rising unemployment and provide accessible local job opportunities, particularly in areas of greatest need.

n. To promote social inclusion, equality of opportunity and access for all.

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.
a. To mitigate the effects of climate change through reducing energy demand and increasing the supply of renewable energy.

b. To ensure that Cardiff adapts to the full anticipated impacts of climate change and that new development and infrastructure is designed to be resilient to possible consequences.

c. To protect, manage and enhance Cardiff’s natural environmental assets, including:
   - The parks, open spaces and allotments in the city that are highly valued by local communities and an important component of Cardiff’s quality of life;
   - The strategically important river valleys of the Ely, Taff, Nant Fawr and Rhymney that link the city to the countryside and provide a valuable recreational, biodiversity and amenity resource;
   - Cardiff’s countryside, particularly its areas of high landscape value and the coast that provide an important setting to the urban area, provide an agricultural resource and opportunity for recreation;
   - The city’s biodiversity, its internationally, nationally and locally designated sites, wildlife habitats and features that contain important species and networks that link together areas of value;
   - Natural resources including geodiversity, the best soils, water and air quality including, the reduction of pollution; and
   - The role that vegetation plays in combating climate change by providing shading, cooling and carbon sinks.

d. To conserve and enhance Cardiff’s built and historic assets that define distinctive character and reflect its past development including:
   - The city’s 27 Conservation Areas;
   - Its Listed Buildings and Ancient Monuments;
   - Registered Historic Landscapes and areas of archaeological importance; and
   - Other valued public places and spaces, including parks and amenity spaces, that provide local distinctiveness.

e. In identifying new sites to meet economic/social needs, to follow a sequence of firstly maximising the contribution of brownfield sites, then identifying greenfield sites that are considered to represent the most appropriate and sustainable locations to accommodate new development.
f. To have full regard to flood risk when considering the acceptability of development proposals and considering mitigation and adaptation measures.

g. To maximise opportunities to create a cleaner and more attractive environment that enhances the quality of life and helps Cardiff to become a world-class European capital city.

4. **To create sustainable neighbourhoods that form part of a sustainable city.**

   a. To ensure that all new development areas (whether greenfield or brownfield) create sustainable neighbourhoods that follow the following principles:

      1. Minimise energy demand and maximise renewable solutions - to deliver more energy-efficient neighbourhoods that utilise existing best practice and embrace new renewable technologies and concepts;

      2. Minimise car travel, maximise sustainable transport use and decrease air pollution by creating accessible, permeable and legible places, preventing predominantly car-based developments and focusing new development in accessible locations which are linked to the strategic cycle network and can be served mainly by effective networks of sustainable transport - walking and cycling and fast and frequent public transport around and beyond the city;

      3. Maximise recycling - to optimise the overall value of waste as a resource, to effectively plan for how new developments can sort and store waste for collection for onward productive use and minimise material needing treatment and final landfill;

      4. Minimise water usage and maximise sustainable drainage - to carefully manage the consumption and drainage of water to avoid unnecessary wastage and minimise rapid run-off. To seek opportunities to maximise the positive amenity and biodiversity benefits that sustainable drainage solutions can offer;

      5. Maximise the early provision of a full range of social facilities and community infrastructure - to provide the full range of necessary facilities that are accessible to all members of society and can be reached within a 15 minute walk. To include the range of social, health, leisure, education necessary for the scale of development proposed and also taking into account other needs within the wider locality;
6. Maximise the additional benefits that new communities can bring to adjoining or surrounding existing communities and minimise any potential negative impacts - to carefully identify positive contributions that can be made and involve local communities in this process;

7. Maximise the diversity of land uses within new development areas - to create more balanced communities offering non-car based options to fully participate in community life. To ensure a range and choice of housing tenures together with local employment opportunities and the full range of community infrastructure;

8. Maximise the contribution of networks of multi-functional and connected open spaces to strategically design networks of open space that are rich in biodiversity and provide safe routes between key locations to encourage healthier lifestyles through promoting walking and cycling. To further encourage healthy lifestyles by providing allotments together with the wider promotion of healthy eating;

9. Maximise the principles of good design - to create places that look good, are of an appropriate and efficient density, fully respect their local context and are successfully integrated with adjoining areas. To design buildings that are resilient and can easily adapt to changing future needs. To design clean and attractive areas where people feel safe and have a sense of ownership; and

10. Maximise community involvement in the planning, design and future management/maintenance of new neighbourhoods. To use the master planning process to establish robust design principles but to also recognise the need to allow some flexibility and managed capacity for change, particularly in larger development areas.

b. To take opportunities to apply the above principles to existing neighbourhoods in order to create a more sustainable city.
4
Strategy, Key Policies and Key Diagram
Overview

4.1 This section sets out the overall LDP Strategy to deliver the Plan’s vision and objectives. The Strategy contains the 7 elements described below together with a Key Diagram summarising the main spatial components of the Strategy. Collectively, these elements deliver the over-arching Plan vision and objectives set out in the previous section. They provide a coherent and evidence-based approach to meeting economic and social needs in a manner which respects Cardiff’s environmental qualities and encourages the development of sustainable neighbourhoods as part of a sustainable city.

4.2 Main elements of Strategy:

1. Making provision for new homes and jobs.
2. Putting in place a framework to manage future growth and encourage high quality, sustainable design.
4. Delivering sustainable transportation solutions.
5. Responding to evidenced economic needs.
6. Responding to evidenced social needs.
7. Respecting Cardiff’s environment and responding to climate change.

4.3 Overall, the LDP Strategy responds to the clear evidenced need to make provision for new homes and jobs. It sets a level of growth considered to represent the most robust, balanced and appropriate approach taking into account all relevant factors including the recommendations made by independent population forecasting experts. This approach directly responds to needs from within Cardiff but the delivery of new jobs also helps spread prosperity beyond administrative boundaries. In this respect, the Strategy aims to build upon Cardiff’s key role as centre of the city-region which evidence shows is of critical importance to the wider well-being of South East Wales.

4.4 However, the Strategy sets out clear policies and mechanisms which provide a framework designed to effectively manage future growth and encourage high quality and sustainable design. This includes adopting a masterplanning approach based on the sustainable neighbourhood objectives to the development of new sites supported by more detailed design guidance. Additionally, the approach strategically manages growth by proposing the designation of a Green Belt and
tight settlement boundaries policy to protect large areas of countryside. In this way, new development can be planned for in a phased manner and designed in a more sustainable way to minimise negative impacts.

4.5 The provision of new infrastructure is an important element of the Strategy as it is recognised that new development must bring with it the timely provision of new supporting community facilities and necessary services. Whilst it is recognised that some significant elements of infrastructure may take many years to complete, the Strategy seeks to ensure that each phase of new development is tied to the provision of necessary infrastructure with each stage of development being able to demonstrate an acceptable level of supporting facilities. This may include the early provision of new facilities along with maximising the potential contribution of existing nearby facilities providing there is capacity and acceptable accessibility.

4.6 An Infrastructure Plan is contained as a Supporting Document setting out future requirements. Further dialogue and consultation findings will help further develop a detailed list of required infrastructure along with funding opportunities including the roles of Community Infrastructure Levy (CIL) contributions for strategic projects, Section 106 Agreement contributions for local priorities together with identifying other potential funding streams from the public and private sectors.

4.7 Putting in place a Strategy to enable the delivery of more sustainable transportation solutions is also integral to the overall approach. This recognises that development in Cardiff must be integrated with transport infrastructure, that travel demand must be minimised along with providing a range of measures and opportunities which reduce reliance on the car. This approach is fully consistent with on-going work at a city-region scale which seeks to develop a more effective public transport network across the region as a whole. This approach will bring with it significant social benefits by reducing current barriers between homes, jobs and other trips and help spread prosperity around the entire city-region.

4.8 The key economic role performed by Cardiff must be maintained and enhanced for benefits to Cardiff, the city-region and Wales. Evidence demonstrates that Cardiff has consistently delivered a high proportion of jobs in the city-region. The Strategy responds to this by ensuring a full range and choice of economic opportunities across all relevant sectors. The Cardiff Central Enterprise Zone will be a key element of the approach but there is also a need to maintain the roles of the City Centre, Cardiff Bay, existing employment sites together with providing a range and choice of sites to cater for demand across sectors.

4.9 Cardiff experiences some significant social needs, with high housing demand projected to continue over the Plan period. The Strategy aims to positively respond to these needs by providing a wide range and choice of sites. Importantly, the approach looks to cater for specific needs so targets have been set for the
provision of affordable housing, different locations help provide diversity of offer and the needs of the Gypsy and Traveller community are also directly addressed in accordance with national policy and guidance.

4.10 The Strategy also addresses wider social issues and has benefited from the Health and Equality Impact Assessments into the Plan. The approach is very much about promoting more sustainable communities where emphasis is placed on supporting District & Local Centres, encouraging the full range of accessible social, health and educational facilities, together with supporting regeneration initiatives, utilising the potential positive benefits which new developments can bring to adjoining areas.

4.11 Cardiff possesses a unique and particularly distinctive natural and built heritage. The Strategy delivers sustainable development by meeting social and economic needs, but in a managed way which retains, manages and enhances important features of natural and built heritage. Central to this approach is the designation of a Green Belt to the North of the M4 Motorway, strict settlement boundaries policy together with protection to the river valleys and open spaces. In this way, Cardiff’s distinctive environmental qualities can be successfully maintained with further opportunities to enhance their management and increase public enjoyment.
Key Policies

1. Making provision for new homes and jobs

KP1: LEVEL OF GROWTH

The Plan makes provision for a range and choice of opportunities to deliver 41,100 new dwellings and 40,000 new jobs in Cardiff between 2006-2026. Furthermore, in order to demonstrate that the Plan meets the flexibility test of soundness and to accommodate potentially higher build rates than anticipated, provision has been made to deliver an additional 10% flexibility allowance (for 4,000 dwellings) which can be triggered, if demonstrated as necessary through annual monitoring, in the later phases of the Plan period.

4.12 The LDP Preferred Strategy considered the merits of three growth options and set out a reasoned justification for proposing option B which was below the official household projections but higher than long term past build rates. It considered all relevant factors including a report by independent population forecasting experts (Edge Analytics, June 2011) which applied more locally robust data to the official statistics. It was also informed by a process of regional collaborative dialogue involving all local authorities in South East Wales together with other key relevant national and regional bodies.

4.13 Views have since been gathered through consultation on the Preferred Strategy which took place in November and December, 2012. The formal consultation process collected 1,028 responses and 8 petitions. Additionally, 444 responses were collected from the Citizens Panel representing a wide distribution of ages and geographical locations across the city. This was in sharp contrast to the wider consultation responses which showed a significant geographical ‘clustering’ of responses generally in proximity to the location of proposed development sites. Responses relating to the proposed level of growth can be summarised as follows:

<table>
<thead>
<tr>
<th>Citizens Panel</th>
<th>LDP Consultation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
</tr>
<tr>
<td>Too low</td>
<td>20</td>
</tr>
<tr>
<td>About right</td>
<td>209</td>
</tr>
<tr>
<td>Too high</td>
<td>205</td>
</tr>
<tr>
<td>TOTAL</td>
<td>434</td>
</tr>
</tbody>
</table>
4.14 The consultation findings indicate sharply contrasting views on this matter. This underlines the importance of the level of growth in the Deposit LDP being based on robust and up to date evidence.

4.15 Therefore, additional independent expert advice has been sought based on the best possible information currently available. Edge Analytics, the independent population forecasting experts providing advice on the Preferred Strategy, have undertaken a further detailed analysis with their report forming Supporting Document No. 18. It is informed by important new information which was not previously available, the 2011 census results and revised back population figures issued by the Office of National Statistics at the end of April, 2013. The material informing this work is of a more detailed and locally robust nature than the official population projections which do not benefit from such a thorough local analysis of relevant data.

4.16 Overall, the Edge Analytics report has produced compelling, up to date and robust evidence to justify a level of growth lower than the official projections and also lower than that proposed in the Preferred Strategy. The recommendations contained in the report are based on a thorough examination of a number of different growth scenarios.

4.17 The Edge Analytics Report has reviewed the new evidence, presented an analysis of inter-censal change in Cardiff’s demographic profile and developed a revised suite of demographic forecasts for consideration. The analysis of inter-censal change revealed a 35,400 (11.4%) increase in Cardiff’s population between 2001 and 2011. The analysis of the ‘components of change’ underpinning Cardiff’s population growth has revealed the critical importance of migration, both internal and international in shaping population growth.

4.18 Using the updated evidence, a number of ‘trend’ scenarios were evaluated and compared to the ‘starting point’ of the official 2008-based projections. The report concluded by drawing attention to the future uncertainties associated with international migration and recommended to the Council that a lower dwelling growth trajectory of 42,500-43,000 (scenarios F & G) over the 2006-26 Plan period might be more appropriate. Furthermore, the report recommended that the Council gives consideration to further reducing the figure due to the potential impact of applying a slightly lower home vacancy rate for 2026 and also considering a 10% further sensitivity reduction due to a potential decrease in household formation rates.

4.19 The Council recognise that scenarios F and G result in a very similar level of growth which is considered to be consistent with the overall strategic objectives of the Plan. With regard to the potential options to further reduce the dwelling requirement, the Council supports applying a 3% vacancy rate for 2026 as opposed to a figure of 3.74%. This is because 3% was the previous rate in the
2001 census and due to current Council policy and actions to tackle this issue, a rate of 3% in 2026 is considered to represent a sound, robust and reasonable figure backed by supporting policy framework to deliver.

4.20 However, the Council has significant concerns with applying a further 10% reduction in dwelling need due to a potential reduction in household formation rates. The report draws on recent evidence from England and suggests this recent trend could also be taking place in Cardiff. However, at this juncture, prior to the Welsh Government household projections being released in late 2013, no official data or evidence can be used to substantiate any reduction. Therefore, to reduce figures without any firm evidence carries significant risks, since if the figures do not show a decrease, the Plan would be clearly out of line with evidence and run the risk of being deemed unsound. However, as the Welsh Government household projections will be issued before the Council submit the Plan for examination, there will still be an opportunity to consider their impact ahead of the examination but any analysis must also take account of the issues highlighted in the paragraph below.

4.21 Even if the Welsh Government household projections indicate a reduced rate of household formation, it cannot be assumed that the rate would continue over the entire Plan period. Indeed, if there was to be a reduction, this may be explained by a reflection of the current limited supply of greenfield sites together with the challenging economic conditions at that time. The Plan Strategy of providing a range and choice of sites to meet evidenced need is considered a strong and compelling reason not to apply a 10% reduction which is not founded on hard existing evidence and cannot be justified looking ahead, particularly given the Strategy set out in the Plan.

4.22 Moreover, it should be noted that the annual net migration assumption 2011-26 without the 10% sensitivity adjustment is given as 1,268 persons p.a. This compares to the actual annual net migration data 2001-11 for Cardiff of 1,344p.a. (47p.a. internal and 1,297p.a. international), excluding the 320 per annum asylum seekers net flow to Cardiff. Given Cardiff’s role as economic driver of South East Wales, it may be considered unsound for the LDP to incorporate assumptions for a significant reduction in net migration whilst at the same time promoting itself as a European Capital City seeking to attract new employment - for instance into the proposed Cardiff Central Enterprise Zone.

4.23 Therefore, the Council consider the most robust and sound approach to adopt is to set a level of dwelling growth based on the recommended scenarios F and G incorporating a 3% vacancy rate in 2026 which have a very similar dwelling requirement. Of the two scenarios, the Council considers the logic and reasoning behind scenario G is more robust and represents a sound basis on which to base the future dwelling requirement which has been rounded down to 41,100 dwellings
for clarity purposes. This level of dwellings is almost exactly proportionate to delivering the 40,000 jobs proposed in the Preferred Strategy so this figure will be retained in the Deposit LDP. This represents:

- A rise in population from 323,766 in 2006 to 395,378 in 2026, (an additional population of 71,612, representing an increase of 22.1%);
- A rise in dwellings from 138,735 in 2006 to 179,835 in 2026, (an additional 41,100 new dwellings, equivalent of an 29.6% increase);
- An average build rate of 2,055 dwellings per annum over the entire Plan period but due to lower than average completions in early years of Plan period (2006-13), a residual required annual build rate (2013-26) of 2,295 dwellings per annum

4.24 All other relevant factors, summarised below, have also been carefully considered. In this respect, it should be noted that national guidance states that the official projections should form the starting point for setting levels of growth in LDPs and makes it clear that any departure from these figures should be fully justified by demonstrable evidence. These official figures show a 42% rise in Cardiff’s population for the period 2008-2033 and a 33% rise for the Plan period 2006-26. Other relevant factors include:

- Accordance with Wales Spatial Plan and other key national policy and guidance;
- Cross-boundary/city-region implications;
- Accordance with ‘What Matters’, the Community Strategy for Cardiff Council;
- Extent to which evidenced economic needs are delivered;
- Extent to which evidenced social/housing needs are delivered;
- Environmental and climate change implications;
- Deliverability and capacity factors; and
- Consultation and collaborative working findings.

4.25 A summary of the consideration of relevant factors is set out below. However, more detailed relevant information is also contained in Supporting Documents including:

- Supporting Document No. 18: Edge Analytics Report (June 2013);
- Supporting Document No. 1: Population & Housing Technical Background Paper;
- Supporting Document No. 2: Urban Capacity Study; and
- Supporting Document No. 16: Masterplanning Framework - General Principles, Strategic Framework & Site Specific Frameworks for larger sites.

4.26 No other material factors are considered to possess sufficient weight to warrant departure from this level of growth which is considered to:
• Accord with the Wales Spatial Plan aims by supporting Cardiff’s role as centre of a networked city-region but not to excessive levels which could prejudice regeneration objectives elsewhere;
• Accord with the Council’s vision and LDP objectives;
• Effectively respond to the regional collaborative dialogue which recognised the dangers of artificially restricting growth in Cardiff - there was a clear recognition of the positive ‘ripple effects’ of providing jobs and homes in Cardiff which improved prosperity in the wider city-region;
• Effectively respond to the clear evidenced need to provide for a significant number of new homes and jobs. Whilst the level proposed may fall short of official projections, it is considered to strike the right balance having regard to the full range of factors;
• Deliver necessary homes and jobs, but in a managed and controlled manner protecting key elements of Cardiff’s environment;
• Meet deliverability and capacity factors - The Deposit LDP contains proposals and mechanisms which justify how deliverability and capacity matters can be adequately addressed. The wide range and choice of sites contributing to the provision together with the masterplanning approach which includes addressing the deliverability of supporting infrastructure demonstrates how development can be successfully brought forward in a managed way; and
• Respond in an evidence-based manner to the divergence of views expressed in the Preferred Strategy consultation process.

4.27 The detailed breakdown of how it is intended to provide for the 41,132 new homes over the Plan period is shown in Table 1, below. The masterplanning approach, consultation findings and wider work undertaken have informed the number of new homes and jobs proposed for the Strategic Sites which are described in greater detail in Policy KP2 and Supporting Document.
### Table 1: HOUSING PROVISION OVER THE PLAN PERIOD

Table showing how the 41,100 dwellings can be provided over the Plan period (2006-26)

<table>
<thead>
<tr>
<th>Row</th>
<th>Topic/Factor</th>
<th>Note/Source</th>
<th>Dwellings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>NEW DWELLING REQUIREMENT 2006 - 2026</strong></td>
<td></td>
<td>41,100</td>
</tr>
<tr>
<td>1</td>
<td>2006-2026 Dwelling Requirement</td>
<td>As referenced in Policy KP1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2006-2026 Dwelling Requirement per year (20 years)</td>
<td>Row 1 divided by 20 years</td>
<td>2,055</td>
</tr>
<tr>
<td></td>
<td><strong>CHANGE IN DWELLINGS 2006 to 2013 AND RESIDENTIAL LANDBANK AT 1st APRIL 2013</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Change in Council Tax Dwellings 31 March 2006 to 31 March 2013 (7 years) (138,735 to 150,000)</td>
<td>Official data from ONS/Valuation Agency</td>
<td>11,265</td>
</tr>
<tr>
<td>4</td>
<td>Under construction (at 31 March 2013)</td>
<td>Monitored</td>
<td>1,056</td>
</tr>
<tr>
<td>5</td>
<td>With consent and not implemented (at 31 March 2013)</td>
<td>Monitored</td>
<td>5,721</td>
</tr>
<tr>
<td>6</td>
<td>Subject to Legal Agreement (at 31 March 2013)</td>
<td>CCC Records</td>
<td>3,546</td>
</tr>
<tr>
<td>7</td>
<td><strong>Dwelling Change 2006-13 &amp; Land bank sub total</strong></td>
<td>Sum of rows 3 to 6.</td>
<td>21,588</td>
</tr>
<tr>
<td></td>
<td><strong>ADJUSTMENTS FOR CHANGE IN CURRENT DWELLING STOCK</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Demolitions during Plan period - will add to dwelling requirement</td>
<td>03/04 to 12/13 past rate of 39.1pa x 13 yrs for remainder of Plan period.</td>
<td>-508</td>
</tr>
<tr>
<td>9</td>
<td>Change of use from residential to other uses - will add to dwelling requirement</td>
<td>03/04 to 12/13 past rate of 7.5pa x 13 years for remainder of Plan period.</td>
<td>-98</td>
</tr>
</tbody>
</table>
Table 1: HOUSING PROVISION OVER THE PLAN PERIOD
Table showing how the 41,100 dwellings can be provided over the Plan period (2006-26)

<table>
<thead>
<tr>
<th>Row</th>
<th>Topic/Factor</th>
<th>Note/Source</th>
<th>Dwellings</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Residential conversions - positive net change - will reduce new dwelling requirement</td>
<td>03/04 to 12/13 past rate of 64.8pa x 13 years for remainder of Plan period</td>
<td>842</td>
</tr>
<tr>
<td>11</td>
<td>Adjustments sub total (will reduce new dwelling requirement)</td>
<td>Sum of rows 8 to 10</td>
<td>237</td>
</tr>
</tbody>
</table>

**ALLOWANCES**

<table>
<thead>
<tr>
<th>Row</th>
<th>Topic/Factor</th>
<th>Note/Source</th>
<th>Dwellings</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Allowance for large windfall sites of 10 or more units (Less those already subject to Legal Agreement S106)</td>
<td>Assumes these come forward at 40% rate for last 10 years (i.e 2003/4 to 2012/13 = (12,091/10) x 40%) = 483.6 units per year to 2026) times 13 years to go (= 6,287), less 1,941 subject to S106 not previously counted as windfall but included in row 6 above. This avoids double counting of S106 sites and takes account of falling rate and diminishing opportunities especially in Cardiff Bay, the main previous source. Further information on Windfalls is contained in Background Papers on Population and Urban Capacity.</td>
<td>4,346</td>
</tr>
<tr>
<td>13</td>
<td>Allowance for small windfall sites under 10 units (Less those already subject to Legal Agreement S106)</td>
<td>Assumes these come forward at 40% of the rate as for the last 10 years 03/04 to12/13 = (1766/10) x 40% = 70.6 units per year to 2026 (13 years to go). Less 55 subject to S106. The reasons are the same as stated above in row 12.</td>
<td>863</td>
</tr>
<tr>
<td>Row</td>
<td>Topic/Factor</td>
<td>Note/Source</td>
<td>Deposit Plan</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>14</td>
<td>Allowance for changes of use (gains) (Less those already subject to Legal Agreement S106)</td>
<td>Assumes these come forward at 100% of the rate as for the last 10 years (i.e 03/04 to 12/13 = (1,390/10 = 139 units per year to 2026), 13 years to go, less 213 subject to S106. It is considered reasonable to continue past rates as evidence supports lower grade offices being converted to residential use during Plan period.</td>
<td>1,594</td>
</tr>
<tr>
<td>15</td>
<td>Flexibility Allowance for possible reduced dwelling yield on Brownfield sites in landbank and Some S106 sites not coming forward - will add to new dwelling requirement</td>
<td>Element of uncertainty but considered reasonable to assume 20% reduction in units contained in the landbank with consent /not started and sites subject to S106 (i.e. 20% of rows 5 &amp; 6)</td>
<td>-1,853</td>
</tr>
<tr>
<td>16</td>
<td><strong>Allowances Sub total - will reduce new dwelling requirement</strong></td>
<td><strong>Sum of rows 12 to 15</strong></td>
<td>4,950</td>
</tr>
</tbody>
</table>

**LDP DEPOSIT PLAN STRATEGIC SITES**

<table>
<thead>
<tr>
<th>Row</th>
<th>Strategic Site</th>
<th>Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Former gas works, Ferry Road</td>
<td>Brownfield</td>
<td>500</td>
</tr>
<tr>
<td>18</td>
<td>North East Cardiff (West of Pontprennau)</td>
<td>Greenfield</td>
<td>4,500</td>
</tr>
<tr>
<td>19</td>
<td>East of Pontprennau Link Road</td>
<td>Greenfield</td>
<td>1,300</td>
</tr>
<tr>
<td>20</td>
<td>North West Cardiff</td>
<td>Greenfield – Work undertaken has shown that the total capacity is considered to be 6,500-7,000 dwellings but a more realistic,</td>
<td>5,000</td>
</tr>
</tbody>
</table>
Table 1: HOUSING PROVISION OVER THE PLAN PERIOD

<table>
<thead>
<tr>
<th>Row</th>
<th>Topic/Factor</th>
<th>Note/Source</th>
<th>Dwellings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>robust and reasonable delivery figure for the Plan period (up to 2026) would be 5,000 dwellings.</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>North of J33 on M4</td>
<td>Greenfield</td>
<td>2,000</td>
</tr>
<tr>
<td>22</td>
<td>South of Creigiau</td>
<td>Greenfield</td>
<td>650</td>
</tr>
<tr>
<td>23</td>
<td>Cardiff Central Enterprise Zone</td>
<td>Due to existing commitments which new proposals will update, current evidence suggests no net gain in units, hence a nil entry to avoid double counting. However any additional units over and above commitments will count as windfalls.</td>
<td>0</td>
</tr>
<tr>
<td>24</td>
<td>Sub total - Units on LDP Strategic Sites</td>
<td>Sum rows 17 to 23</td>
<td>13,950</td>
</tr>
</tbody>
</table>

LDP DEPOSIT PLAN NON-STRATEGIC SITES

<table>
<thead>
<tr>
<th>Row</th>
<th>Topic/Factor</th>
<th>Note/Source</th>
<th>Dwellings</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Land R/O Clive St</td>
<td>Brownfield</td>
<td>80</td>
</tr>
<tr>
<td>26</td>
<td>Rookwood Hospital</td>
<td>Brownfield</td>
<td>80</td>
</tr>
<tr>
<td>27</td>
<td>Former Lansdowne Hospital Site</td>
<td>Brownfield</td>
<td>75</td>
</tr>
<tr>
<td>28</td>
<td>Ely Bridge Farm, Dyfrig Road, Ely</td>
<td>Brownfield</td>
<td>35</td>
</tr>
<tr>
<td>29</td>
<td>Land at former St Johns College</td>
<td>Brownfield</td>
<td>50</td>
</tr>
<tr>
<td>30</td>
<td>Electrocoin Automatics Ltd, Phoenix Estate, Caerphilly Rd</td>
<td>Brownfield</td>
<td>20</td>
</tr>
<tr>
<td>31</td>
<td>Land at Mill Rd, Tongwynlais</td>
<td>Greenfield</td>
<td>5</td>
</tr>
</tbody>
</table>
Table 1: HOUSING PROVISION OVER THE PLAN PERIOD

<table>
<thead>
<tr>
<th>Row</th>
<th>Topic/Factor</th>
<th>Note/Source</th>
<th>Dwellings</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>Land at Dan-y-Garth, Pentyrch</td>
<td>Greenfield</td>
<td>53</td>
</tr>
<tr>
<td>33</td>
<td>Land part of Areas 9-12, Trowbridge</td>
<td>Greenfield</td>
<td>150</td>
</tr>
<tr>
<td>34</td>
<td>Sub-total - Units on LDP non-strategic sites</td>
<td>Sum rows 25-34</td>
<td>548</td>
</tr>
</tbody>
</table>

SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>2006-2026 Dwelling Requirement</th>
<th>As referenced in Policy KP1</th>
<th>41,100</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Change in dwellings 2006-13 &amp; land bank sub total</td>
<td>Sum of rows 3 to 6.</td>
<td>21,588</td>
</tr>
<tr>
<td>11</td>
<td>Adjustments sub total</td>
<td>Sum of rows 8 to 10</td>
<td>237</td>
</tr>
<tr>
<td>16</td>
<td>Allowances Sub total</td>
<td>Sum of rows 12 to 15</td>
<td>4,950</td>
</tr>
<tr>
<td>24</td>
<td>Units on LDP Strategic Sites</td>
<td>Sum rows 17 to 23</td>
<td>13,950</td>
</tr>
<tr>
<td>34</td>
<td>Units on LDP non-strategic sites</td>
<td>Sum rows 25 to 34</td>
<td>548</td>
</tr>
<tr>
<td>35</td>
<td>Total Supply</td>
<td>Rows 7 + 11 + 16 + 24 + 34</td>
<td>41,273</td>
</tr>
</tbody>
</table>

Accommodating a 10% flexibility allowance (4,000 dwellings)- As referenced in KP1 and paragraphs 4.38-4.42

<table>
<thead>
<tr>
<th></th>
<th>Land North of the North West Cardiff Strategic Site</th>
<th>Land West of the Strategic Site North of Junction 33</th>
<th>North West Cardiff Strategic Site</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>See paragraph 4.42 for more details</td>
<td>See paragraph 4.42 for more details</td>
<td>See paragraph 4.42 for more details</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1,250</td>
<td>1,250</td>
<td>1,500</td>
</tr>
</tbody>
</table>
Table 1: HOUSING PROVISION OVER THE PLAN PERIOD

<table>
<thead>
<tr>
<th>Row</th>
<th>Topic/Factor</th>
<th>Note/Source</th>
<th>Dwellings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total additional supply to demonstrate potential delivery of a 10% flexibility allowance</td>
<td>This is a minimum figure- The 3 sites have the capacity to deliver more dwellings if required and signal a long-term direction of travel which can inform future Plan reviews</td>
<td>4,000</td>
</tr>
</tbody>
</table>

4.28 The Plan deliberately provides an extensive range and choice of opportunities for the creation of new homes and jobs. This is crucial to the overall delivery of homes and jobs by enabling different sites in different locations to be progressed concurrently. It also ensures flexibility as a limited number of sites would carry delivery risks should implementation problems be encountered on specific sites. The masterplanning approach, which also addresses the provision of infrastructure and phasing, puts in place a framework to ensure the orderly development of sites. Key Policies on masterplanning, design and infrastructure, together with supporting documentation, explain this approach in more detail.

4.29 In terms of the provision of new homes, brownfields sites still contribute over half of the provision, but this is supplemented by new greenfield opportunities offering a fuller range and choice. This provides a much needed catalyst to the local housing market which has seen a recent shortage of greenfield sites and can help meet a growing latent demand. Furthermore, greenfield sites can play a key role in bringing forward high levels of affordable and family housing. Evidence has shown that site viability factors make it difficult for brownfield sites to consistently provide high levels of affordable housing.

4.30 It should also be noted that Cardiff has a finite supply of brownfield sites and that the previous LDP was withdrawn due to the Inspector’s concerns that it was a, ‘brownfield only’ Strategy. The last decade has seen significant brownfield developments, the most notable being the successful regeneration of Cardiff Bay. However, brownfield opportunities of this scale no longer exist. Research work has been undertaken to explore the possibilities of maximising the contribution of brownfield land to meet future provision. Supporting Document 2 sets out in detail the findings of this work and demonstrates the different potential opportunities which have been explored.
4.31 The Plan recognises that there is a limited supply of acceptable brownfield land. It also recognises that not all existing brownfield sites with planning permission will be developed due to changed economic/market conditions. These changed market conditions also mean that delivering previously anticipated levels of affordable housing may prove challenging due to current financial viability factors. This, in part, contributes to the current limited number of sites being brought forward for development from the landbank. Additionally, there are serious policy issues with losing further employment land of strategic or local importance to housing and it is not considered acceptable for the Plan to propose building on river valleys, parks and playing fields.

4.32 However, brownfield sites will continue to play an important role and windfall provisions will form part of the provision for new homes as land uses within the city continue to evolve. For example, the Council is currently strategically assessing its land holdings which, over the Plan period, is likely to generate a wide range and choice of brownfield housing opportunities across the city.

4.33 The Deposit LDP seeks to respond to need in a way which provides range and choice of land for housing. Maximising the contribution of brownfield sites still forms over half of the provision over the whole Plan period, but this is supplemented by a range of greenfield opportunities offering a range and choice and to provide a catalyst to help kick-start the currently depressed housing market situation. Greenfield sites generally have far lower site development costs/constraints and are therefore widely recognised as providing far higher levels of affordable housing than brownfield sites.

4.34 The provision of a full range and choice of housing options also fully supports the delivery of the economic Strategy - new homes and supporting community facilities can help attract new investment to the city and stimulate more movement in the housing market. Associated construction jobs would provide an additional benefit to the local economy.

4.35 New greenfield releases also bring with them the ability to contribute towards the wider provision of strategic infrastructure to the benefit of the city and wider city-region as a whole. For example, the delivery of sustainable transportation solutions will have positive implications for the wider community. In this respect, there are clear benefits of the locations of the strategic sites which offer the opportunity of a joined-up approach to deliver strategically important infrastructure in the North West and East/North East corridors. This assists in prioritising infrastructure provision in a planned and focussed manner.

4.36 In order to deliver the required level of growth over the Plan period, there will be a need for a range and choice of sites to be on stream over the remainder of the Plan period. The masterplanning approach has been adopted to carefully manage this process. In this way, each site and each phase of development can bring with it the necessary range of supporting infrastructure. It should be noted that
the scale of strategic sites open up the opportunity for delivering significant infrastructure benefits. However, some major elements may take a long period to deliver. Therefore, early phases will need to both deliver the infrastructure which is required for that particular phase along with contributing to the provision of wider strategic infrastructure which may be physically provided at a slightly later date. Detailed provisions will be put in place to secure delivery in such instances.

4.37 The Plan is considered sufficiently flexible to respond to changing conditions. This will be kept under review in the Annual Monitoring Reporting process allowing future reviews to address the need for change. Should demand be lower than anticipated, the sequence of provision will remain in place, thereby controlling development in an orderly manner and linking it in with infrastructure provision. However, this scenario would result in the trajectory being followed over a longer period allowing either Plan review or the next Plan to make appropriate judgement on future provision at that time.

4.38 Consideration also needs to be given to demand being higher than expected. This is considered to be a less likely possibility, based on current evidence of low completion rates and the challenging economic conditions. However, the LDP tests of soundness demand that Plans are sufficiently flexible to be able to positively respond to changes in circumstances. This Policy therefore has a built-in 10% flexibility allowance.

4.39 In this way, if a need is identified in the Annual Monitoring Report before the end of the Plan period, additional land can be brought forward for residential purposes at that point in time in a Plan review. The Plan demonstrates a clear commitment to a long term direction of travel by identifying areas which are well positioned to meet such need, if required.

4.40 Work undertaken as part of this process has shown that there is limited scope for further development areas due to the environmental and other constraints around the city together. There is considered merit in focussing potential additional areas based upon proposed Strategic Sites where there is land available to take advantage of the comprehensive provision of new community and transportation infrastructure and minimising impact on areas of higher environmental sensitivity including land proposed for Green Belt designation.

4.41 Three areas have been identified to provide good flexibility as just one option may limit the scope for dwellings being delivered should problems be encountered on a particular site. It should also be noted in this respect that each area offers a large gross area with the combined potential to deliver more than just an additional 10% flexibility. The masterplanning of adjoining Strategic Sites will take account of these potential additional areas in the planning of land uses and supporting infrastructure. Other strategic sites have far more fixed boundaries and do not lend themselves to logical extension.
4.42 The areas considered most suitable to deliver this potential need are as follows:

i. Land North of the North West Cardiff Strategic Site - Up to 57 hectares of land located between Llantrisant Road and the M4 Motorway bounded by the edge of Radyr to the East and the recent development on the former Rhydlafar Hospital to the West. This is a gross figure with the net developable area likely to be a significant reduction due to natural and infrastructure constraints within the site. This could provide a minimum of an extra 1,250 dwellings if required in the later phases of the Plan period but further masterplanning addressing long-term capacity is likely to demonstrate a higher figure is possible and the land is indicated by an arrow for potential future development on the Key Diagram;

ii. Land West of the Strategic Site North of Junction 33 - Up to 41 hectares of land represents a logical extension of this site which falls between the M4 Motorway and Llantrisant Road. This could provide a minimum of an extra 1,250 dwellings if required in the later phases of the Plan period but further masterplanning addressing long-term capacity is likely to demonstrate a higher figure is possible. The land is indicated by an arrow for potential future development on the Key Diagram; and

iii. North West Cardiff Strategic Site - As highlighted in Table 1, above, the overall capacity of this site is considered to be in the order of 6,500-7,000 dwellings depending on the precise configuration of land uses and housing densities. Work undertaken to date suggests that a figure of 5,000 dwellings is appropriate for homes being delivered within the Plan period (by 2026). However, should build rates be faster than anticipated, this site represents an ideal opportunity to help meet any additional need within the Plan period and benefits from the comprehensive masterplanning of the area as a whole which is shown as a allocation in its entirety.

4.43 In a similar way to the provision of new homes, a range and choice of new job opportunities is also proposed. It is important to ensure that a range and choice of employment land and business premises are provided to maintain and improve the competitiveness of the city, promote and protect indigenous business and attract inward investment.

4.44 This approach responds to Cardiff’s role as the main economic driver of the city-region accounting for 32% of total employment in South East Wales. At the heart of this approach is recognition that the Cardiff city-region clearly forms a natural economic area and it has consistently made a major positive contribution to the economic growth of Wales. In core city analysis, Cardiff performs well and there is an opportunity to build further on this through continuing to enhance Cardiff’s role and also improve linkages and connectively within the city-region. It is also recognised (as evidenced in the recent Cardiff LDP regional collaborative
working exercise summarised in Supporting Document 17) that there are significant benefits for adjoining areas from Cardiff’s success in achieving economic growth.

4.45 The Plan provides a framework for delivering a wide range and choice of employment sites in different locations and for different sectors including the key market sectors of ICT, energy and environmental technologies, advanced materials and manufacturing, creative industries, life sciences and financial and professional services. The range of new sites ensures that Cardiff can deliver the stated level of growth for new jobs. Importantly, different sites will perform different roles in the strategy. For example, Porth Teiger (Roath Basin) has the potential to become an important location for media and creative industries. Other locations may be better suited to small out of centre employment sites, including offices, creative industries, small workshops, and starter units.

4.46 The geographical spread of the ‘Cardiff offer’ also addresses the need to provide jobs in accessible locations. In this respect, the key strategic proposal relating to the Cardiff Central Enterprise Zone and Regional Transport Hub represents a highly sustainable and accessible location, close to areas of high unemployment in the city but also readily accessible to the wider region via sustainable modes of transport.

4.47 Further background evidence underpinning the approach to providing the range and choice of new jobs is provided in Supporting Document 4.
KP2: STRATEGIC SITES

Strategic Sites are allocated as set out below to help meet the need for new dwellings and jobs:

Brownfield Strategic Sites:

(A) Cardiff Central Enterprise Zone and Regional Transport Hub;
(B) Former Gas Works, Ferry Road;

Greenfield Strategic Sites:

(C) North West Cardiff;
(D) North of Junction 33 on M4;
(E) South of Creigiau;
(F) North East Cardiff (West of Pontprennau);
(G) East of Pontprennau Link Road; and
(H) South of St Mellons Business Park - Employment only.

4.48 Strategic sites are defined as being sites of 500 homes or more and/or with significant employment/mixed uses and which have the potential to deliver significant benefits to the city.

4.49 The purpose of this Policy is to help bring forward appropriate land in sustainable locations to satisfy the identified need for housing, employment and other uses. The Preferred Strategy set out the detailed consideration of candidate sites and explained the analysis of spatial options resulting in the identification of strategic sites in that document.

4.50 Full consideration has been given to consultation feedback including alternative approaches to meeting evidenced needs. However, taking full account of the LDP ‘tests of soundness’ and other material relevant factors, other approaches are not considered to provide compelling and demonstrable reasons for an alternative approach to allocating the proposed strategic sites.

4.51 The Deposit LDP has therefore retained the same range and choice of strategic sites as those identified in the Preferred Strategy. This brings significant benefits of providing a genuine range and choice, critical to overall Plan delivery.
Furthermore, the scale of sites enables more comprehensive solutions to be delivered which can bring about significant infrastructure improvements for the wider city and city-region.

4.52 However, many consultation responses on the Preferred Strategy and focussed engagement on the masterplanning approach highlighted concerns from local residents and landowner/developers on the densities proposed in the Preferred Strategy for strategic sites. Further detailed work on the masterplanning of sites has taken account of these concerns and has also looked in far more detail at potential land required for community facilities, open spaces and safeguarding existing natural features. This work has been undertaken in the context of the masterplanning general principles (set out in Supporting Document 16) which highlight the importance of achieving higher densities in the most suitable locations but recognises a wide overall range and choice of densities.

4.53 As a result of this more detailed work, the number of dwellings proposed on some strategic sites has changed from the proposed number of units referred to in the Preferred Strategy. However, it must be stressed that different sites pose different issues and have a different local context so each site has been carefully considered on its own merits. The anticipated number of dwellings capable of being delivered from each strategic site is summarised in Table 1 (paragraph 4.27) together with Table 2, below. Further details relating to the masterplanning framework for these sites are set out in Supporting Document 16.

<table>
<thead>
<tr>
<th>Ref</th>
<th>Site</th>
<th>Proposed Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Cardiff Central Enterprise Zone and Regional Transport Hub</td>
<td>Major employment-led initiative including a Regional Transport Hub together with other mixed uses in Cardiff city centre in order to fulfil Cardiff’s role as economic driver of the city-region, provide major employment opportunities focused on financial and business services and maximise the advantages of its location adjacent to the Central Station and Cardiff Bus Station. Due to existing commitments which new proposals will update, current evidence suggests no net gain in units to avoid double counting. However any additional units over and above commitments will count as windfalls</td>
</tr>
</tbody>
</table>
### Table 2: SUMMARY OF STRATEGIC SITES

<table>
<thead>
<tr>
<th>Ref</th>
<th>Site</th>
<th>Proposed Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Former Gas Works, Ferry Road</td>
<td>Housing-based scheme of 500 homes and other associated community uses</td>
</tr>
<tr>
<td>C</td>
<td>North-West Cardiff</td>
<td>Comprehensive development of approximately 5,000 homes within the Plan period including employment and other associated community uses</td>
</tr>
<tr>
<td>D</td>
<td>North of Junction 33 on M4</td>
<td>Mixed use of approximately 2,000 homes, employment, other associated community uses and a strategic park and ride site</td>
</tr>
<tr>
<td>E</td>
<td>South of Creigiau</td>
<td>Housing-based scheme of approximately 650 homes representing a southern extension of the existing village</td>
</tr>
<tr>
<td>F</td>
<td>North-East Cardiff (West of Pontprennau)</td>
<td>Comprehensive development of approximately 4,500 homes, employment and other associated community uses</td>
</tr>
<tr>
<td>G</td>
<td>East of Pontprennau Link Road</td>
<td>Housing-based scheme of approximately 1,300 with associated community uses</td>
</tr>
<tr>
<td>H</td>
<td>South of St Mellons Business Park</td>
<td>Strategic employment site</td>
</tr>
</tbody>
</table>

**4.54** The combination of development on these sites will result in the delivery of approximately 13,950 new dwellings together with a range and choice of employment opportunities and a significant amount of supporting infrastructure and community facilities.

**4.55** In response to issues raised in the Sustainability Appraisal with regard to environmental aspects of the strategic employment site at south of St Mellons Business Park, the following paragraphs explain the rationale for including the site together with how flood risk and other environmental concerns can be addressed as part of the scheme.

**4.56** This is an important employment site which contributes to the necessary range and choice of types of employment opportunities in the city. Its location is particularly well placed to provide accessible job opportunities to areas of known deprivation and its position adjacent to the main rail line offers significant
opportunities for a new station together with supporting sustainable transportation infrastructure. This proposal is a long-standing proposal in the Regional Transport Plan, is identified in the emerging work on the South Wales Metro concept and has Welsh Government support.

4.57 However, it is recognised that the area possesses environmental and flood risk constraints. In terms of environmental issues, the majority of the area is a Site of Special Scientific Interest with the reens forming the major interest. Additionally, the adjoining Estuary is a European designated site so run-off issues and disturbance will be particularly sensitive. The land also meets the qualifying criteria using the LANDMAP landscape methodology for Special Landscape Area status. Furthermore, there are significant historic interests and the land is designated as a Historic Landscape and Archaeologically Sensitive Area.

4.58 These environmental and flood risk constraints have been carefully examined so that suitable mitigation and enhancement measures can be put in place to address these issues. Further details are contained in Supporting Document 16 outlining site specific masterplanning framework for the site.

4.59 Considerable work has been undertaken to evidence the degree of flood risk in line with national guidance. The Strategic Flood Consequence Assessment work (SFCA) has analysed the risks when looking at the lifetime of development. The Phase 3 SFCA report undertaken by Atkins demonstrates that the flood risk can be effectively mitigated for the site. This can be achieved through a combination of raising the Sea Wall at points most prone to breaching together with raising ground levels on the development site. The costs associated with this work are not considered to undermine the financial viability of the proposal.

4.60 The Environment Agency (EA, now called Natural Resources Wales) has validated the methodology undertaken during this study. Furthermore, the Severn Estuary Flood Risk Management Strategy 2013 consultation proposes sea wall improvements to the area identified by Atkins as a weak section at Tabb’s Gout requiring an upgrade so it is consistent with other flood defences along the coast. It is anticipated that the works will be implemented in the near future, probably in 2015/16.

4.61 It should be stressed that an extensive area of land behind the Sea Wall is exposed to flood risk both in Cardiff, Newport and Monmouthshire, especially in future years when evidence points to sea levels rising. This includes existing properties, the main rail line into South Wales, power lines and undeveloped land, much of which forms part of the far wider Wentloog Levels Site of Special Scientific Interest (SSSI). Any significant flood event could therefore have profound implications (social, economic and environmental) which is why the aim of the Severn Estuary Shoreline Management Plan is to ‘hold the line’ in terms of flood defences in this area.
4.62 The social and economic benefits of delivering a strategic employment site in St Mellons would be profound. In a Cardiff context, it would represent a key strategic site by providing a well accessed and high quality site close to the strategic highway network. With these qualities the site is uniquely placed within the city-region and would be capable of attracting inward investment opportunities for high value and knowledge-based sectors. The site would also add an extra dimension to the Cardiff offer in terms of office supply by adding to the range and choice of employment locations and providing a degree of flexibility in providing campus-style office jobs which address market requirements. Furthermore, its location adjacent to the main line offers the potential to develop direct rail links with a new rail station linked to a park and ride facility.

4.63 The site is located near to residential areas of high unemployment and could be readily integrated with the existing St Mellons Business Park. In particular, this is a high quality site for existing businesses, who are looking to raise their added value, a key requirement for manufacturing companies if they are to grow and embed themselves in the local economy. Research has indicated that a high quality site (like St Mellons) and buildings can attract both low value added users and high value added users. However, a low quality site and buildings can only attract low value added users. Having regard to size, location, proximity to other uses and access, the St Mellons site is particularly well placed in Cardiff to deliver this important role.

4.64 The land is currently used for agricultural purposes but is also designated as an SSSI for the reens together with fields which host invertebrates and bees. Furthermore, the area is noted for its high landscape and historic value. Development of this site can be undertaken in a sensitive manner to minimise harm and include enhancements with considerable scope for large scale mitigation measures south of the rail line and incorporating a design and layout following guidance issued by the Countryside Council for Wales which offers practical guidance on how development can take place in the Wentloog Levels SSSI. In this respect it should be noted that the site forms the western extremity of a far wider landscape unit and in many ways is not a pristine example of the levels environment with a large number of detracting elements together with few reens on large parts of the site.

4.65 However, the social and economic benefits are considerable both in a Cardiff context and locally due to the location of the site near areas of high unemployment and could be readily integrated with adjoining uses. Additionally, the provision of a new rail station adjacent to a new employment area opens up considerable wider benefits beyond Cardiff and will help deliver social, economic and sustainable transportation benefits for South East Wales.

4.66 Furthermore, the development of this site will act as a catalyst to bring about the Sea Wall defence works which will help protect a much wider area. Indeed, the whole SSSI could be lost if inundated with sea water so an appropriate balance
must be made. Mitigation measures can be undertaken to reduce impact and in this respect account will be taken of the CCW Guidance Booklet on how to bring forward development in the Wentloog Levels SSSI.

4.67 In conclusion, taking all evidence and assessments into account, it is considered that the economic and social benefits of this proposal are considered to outweigh environmental concerns and in this respect it is noted that mitigation measures can be delivered to reduce harm.

4.68 In addition to the allocated strategic sites identified above, there are also current commitments (i.e sites with planning consent or consent subject to the signing of legal agreements) of a strategic scale that have already been taken into account in calculations for satisfying identified need. These committed sites of a strategic nature comprise:

- Former Arjo Wiggins Paper Mill site, Canton (Around 700 dwellings plus employment use);
- Sports Village site, Grangetown (798 dwellings plus employment and recreational uses); and
- Porth Teigr, Butetown (Roath Basin South) – mixed use scheme for around 1,010 dwellings plus employment use (offices).

2. Putting in place a framework to manage future growth and encourage high quality, sustainable design

**KP3(A): GREEN BELT**

In order to strategically manage the urban form of Cardiff and to protect the setting of the urban area, a Green Belt is proposed on land North of the M4 as shown on the Proposals Map. Within this area development which prejudices the open nature of this land will not be permitted. Positive biodiversity, landscape, climate change mitigation and informal recreational management and enhancement measures will be encouraged in this area to further enhance the long term role of the area as a key natural resource benefiting the city.

4.69 Together with Key Policy KP3(B), this Policy seeks to strategically manage the future built form of Cardiff’s urban area. Supporting Document 3 evidences the assessment of the potential for a Green Belt in Cardiff. It concludes that designation is considered appropriate for Cardiff and would accord with national guidance relating to Green Belts as set out in Planning Policy Wales (PPW).
4.70 Importantly, given that the Plan proposes some significant greenfield releases, this Policy provides some longer-term certainty as to the future urban form of the city. In this respect, it should be noted that land within a Green Belt should be protected for a longer period than the Plan period. This is also a reason why a Green Belt policy is required rather than a Green Wedge policy which would not give the long-term protection considered necessary to effectively manage urban form.

4.71 The designated area forms land North of the M4 in Cardiff as shown on the Proposals Map. This land unquestionably forms a distinctive, prominent and well known green backdrop to the city forming a strategically important setting to the urban area. The land is also generally well contained by the strong physical boundary of the M4 Motorway to the south which is an important requirement of any designated Green Belt area.

4.72 With regard to land immediately to the North of the proposed Green Belt within Caerphilly and Rhondda Cynon Taff, it is noted that policies set out in adopted LDPs very much support development restraint. For example, within Caerphilly, the Caerphilly Mountain Area is all outside the settlement boundaries and a combination of Special Landscape Area and Visually Important Local Landscape designations apply across the whole area. Within Rhondda Cynon Taff, land to the North of the proposed Green Belt carries a Special Landscape Area designation. Future LDP Reviews for these areas or any strategic planning measures which may be introduced in future years could consider an extension of the Green Belt area in accordance with national guidance. However, at this juncture, it is considered that Green Belt designation in Cardiff creates no obvious cross-boundary anomalies or direct policy conflicts.

4.73 The tightness of Cardiff’s administrative boundaries to the urban area to parts of the West and East, limits scope for a Green Belt designation in these locations. For example, the visually prominent Leckwith Escarpment is located in the Vale of Glamorgan but is protected by a Special Landscape Area designation in the Vale of Glamorgan Development Plan. In fact, most of the land within the Vale of Glamorgan immediately adjacent to Cardiff carries with it either Special Landscape Area or Green Wedge (around Culverhouse Cross) status. This provides an element of protection to Cardiff’s setting to the West.

4.74 With regard to Newport, it is noteworthy that Newport’s adopted Unitary Development Plan includes a Green Belt designation on land immediately East of Cardiff’s boundary. This puts in place measures to prevent the coalescence of Cardiff and Newport. It extends from the M4 to the coast running as far East as Castleton and Marshfield providing long-term protection for this large area. In places, the edge of Cardiff’s urban area runs right up to the administrative boundary and Green Belt designation within Newport but pockets of countryside remain in Cardiff around Old St Mellons and North of the sea wall.
Green Belt designation is not considered appropriate for either of these areas as it is important that there remains a sufficient range of potential development land available in the longer term. Including such areas runs a significant risk of not taking full account of national guidance in this respect and undermining the Policy. The Green Belt designation in Newport is considered sufficient to prevent settlement coalescence between Cardiff and Newport and there is no demonstrable evidence supporting a wider designated area to support this objective. However, there are clear and compelling other reasons for a Green Belt in other areas within Cardiff and for other reasons which are enlarged upon below.

The proposed designated Green Belt is considered essential to protect the strategically significant rising land North of the M4 which is critical to the overall identity of Cardiff and much cherished by its residents. It should also be noted that existing policies are not sufficient to protect the open nature of this land.

Significant development pressures exert on this area. This has been evidenced through planning applications for dwelling conversions, rebuilds and related structures which are having a cumulative impact on landscape quality. Furthermore, numerous applications have been submitted for equine-related activities and other uses which are again beginning to have a cumulative impact on this highly visible and sensitive area. Significant Candidate Sites have also been submitted within the area.

The designation of a Green Belt with its associated strict policy to preserve the open nature of this land is the only policy tool available to the Council to prevent the long term deterioration of this visually prominent land providing a strategic setting to the city. It is very much recognised by the public as being a key distinctive element which helps defines the very nature of Cardiff in the same way that other readily recognised areas are perceived and valued such as Cardiff Bay and the City Centre.

Although Green Belts are not intended to be a tool to protect areas of high intrinsic value, the land is of high environmental value and also a popular area for informal recreation. The Policy therefore also has a positive aspect to build upon the long-term certainty of protection by putting in place support for management and enhancement measures. For example, the long-term protection can act as a stimulus to consider landscape-scale initiatives addressing such matters as carbon sinks, habitat creation and management initiatives and wider green infrastructure-related projects where long-term certainty would support planning and delivery.

PPW provides specific guidance on the consideration of planning applications within the Green Belt. It provides a presumption against inappropriate development and outlines the very exceptional circumstances where other considerations may clearly outweigh the harm to protecting the openness of the Green Belt.
In order to strategically manage the spatial growth of Cardiff, settlement boundaries are proposed as shown on the Proposals Map. In all areas outside the defined settlement boundaries, otherwise referred to as countryside, there will be a corresponding presumption against inappropriate development.

4.81 Cardiff’s settlement boundaries are a key mechanism for helping to manage growth by defining the area within which development would normally be permitted, subject to material planning considerations. This Policy compliments the Green Belt Key Policy (KP3(A)) set out above. Unlike the Green Belt, this policy will not extend beyond the Plan period but it will impose a strict control on development of all countryside in Cardiff outside the identified settlement boundaries as shown on the Proposals Map. Detailed Policy EN1, provides more guidance on the interpretation of this Policy approach.

4.82 Cardiff’s countryside is a valuable and finite resource which is under increasing pressure from all kinds of development due to its proximity to the urban area, including farm diversification and equine-related proposals, and because of the large number of properties and small parcels of land in different ownerships spread throughout the countryside. Whilst it is necessary to encourage sensitive proposals that support a working countryside, Cardiff’s countryside is particularly vulnerable to the cumulative impact of insensitive new developments that may harm its character and appearance together with ‘suburbanising’ attractive landscapes. Where it can be demonstrated that development outside settlement boundaries is acceptable in principle, other detailed Deposit LDP policies provide the framework to consider the merits or otherwise of proposals along with national planning policy including TAN 6: Planning for Sustainable Rural Communities.

4.83 Cardiff’s settlement boundaries have been carefully assessed and follow logical, existing boundaries wherever possible. Full account has been taken of the particular characteristics, usage and degree of openness of specific parcels of land together with their inter-relationships with surrounding land. Proposals located on the urban fringe which have an extant planning permission may have been incorporated within the settlement boundaries. Cardiff’s settlement boundaries are illustrated on the Proposals Map.
KP4: MASTERPLANNING APPROACH

Major development should accord with:

(i) The following Masterplanning General Principles:

1. Development schemes that are planned in a comprehensive and integrated manner reflecting partnership working and setting out the phasing of development along with a timely provision of supporting infrastructure. Masterplans will need to encompass the whole of a development area regardless of land ownership patterns, and this will require partnership working, involving all relevant parties;

2. High density residential and mixed-use development is focused along public transport corridors and in neighbourhood centres with lower densities provided elsewhere to deliver an overall range and choice to meet different needs;

3. Dedicated sustainable transport corridors including provision for public transport, cycling and walking which will form key elements of the overall master plan and effectively link into the wider network;

4. Walking, cycling and public transport will be attractive, practical and convenient travel choices for all;

5. Provision of a full range of social and community facilities will be concentrated within mixed use neighbourhood centres located along public transport corridors and easily accessed by walking and cycling;

6. The masterplanning process effectively responds to the local context and the context of climate change, to create new well designed neighbourhoods with a distinctive character which residents will be proud of;

7. New development responds to local deficiencies and provides good connectivity to adjoining areas and is informed by feedback from existing communities;

8. Multi-functional and connected green open spaces form strategically important links to the surrounding area to provide routes for people and wildlife and open spaces for sports, recreation and play;

9. Sympathetically integrate existing landscape, biodiversity and historic features of the site into the development taking opportunities to protect, enhance and manage important features along with mitigation and enhancement measures to provide satisfactory compensatory measures;

10. Innovative and creative energy, management of surface water and waste management solutions are adopted to make new developments more environmentally sustainable;

(ii) Guidance set out in Site-Specific Masterplanning Frameworks, where prepared.
4.84 In order to more effectively manage the form, uses, transportation solutions, phasing and appearance of major new developments, the Deposit LDP sets out a ‘masterplanning approach’. This will provide greater certainty to developers, the public and all other interested parties. The overall aim will be for the Council to set out a broad framework at the outset which will provide an overarching context for more detailed design and implementation work to follow. This Policy relates to all strategic sites and any other major new developments which may emerge over the Plan period.

4.85 The outputs of this approach are set out in Supporting Document No. 16 which includes:

- **General Principles**: 10 General Principles based on different themes considered essential to create new sustainable neighbourhoods. These principles have been agreed by the Cabinet Meeting of 16th May, 2013 and relate to all sites, strategic or non-strategic, greenfield or brownfield;

- **Strategic Schematic Framework**: To provide a link between the General Principles and Site Specific Principles, 3 county-wide plans together with supporting text will provide a spatial context relating to landscape, movement and neighbourhood factors;

- **Site-Specific Framework**: Working within the context of the first 2 outputs, this output will not be overly prescriptive but give a spatial indication of land uses, transportation measures and key open space corridors together with information on proposed densities, infrastructure and phasing of the strategic sites allocated in the Deposit LDP. It is intended that following consideration of consultation responses, that the site-specific framework will be drafted into SPG and follow the normal SPG consultation process prior to the LDP examination; and

- **Area-Based Masterplans**: Detailed Masterplans will be worked up by the landowners/developers with the context of the framework prepared by the Council as set out in the Deposit LDP supporting information. These will contain a greater level of detail than the over-arching framework and can assist in the examination of the LDP together with providing a context for the phased submission of planning applications for development sites.
KP5: GOOD QUALITY AND SUSTAINABLE DESIGN

To help support the development of Cardiff as a world-class European Capital City, all new development will be required to be of a high quality, sustainable design and make a positive contribution to the creation of distinctive communities, places and spaces by:

i. Responding to the local character and context of the built and landscape setting so that layout, scale, form, massing, height, density, colour, materials, detailing and impact on the built and natural heritage are all addressed within development proposals;

ii. Providing legible development which is easy to get around and which ensures a sense of continuity and enclosure;

iii. Providing a diversity of land uses to create balanced communities and add vibrancy throughout the day;

iv. Creating interconnected streets, squares and spaces as distinctive places, which are safe, accessible, vibrant and secure and incorporate public art where appropriate;

v. Providing a healthy and convenient environment for all users that supports the principles of community safety, encourages walking and cycling, enables employment, essential services and community facilities to be accessible by sustainable transport and maximises the contribution of networks of multi-functional and connected open spaces to encourage healthier lifestyles;

vi. Maximising renewable energy solutions;

vii. Achieve a resource efficient and climate responsive design that provides sustainable water and waste management solutions and minimise emissions from transport, homes and industry;

viii. Achieving an adaptable design that can respond to future social, economic, technological and environmental requirements;

ix. Promoting the efficient use of land, developing at highest practicable densities and where appropriate achieving the remediation of contaminated land;

x. Ensuring no undue effect on the amenity of neighbouring occupiers and connecting positively to surrounding communities;

xi. Fostering inclusive design, ensuring buildings, streets and spaces are accessible to all users and is adaptable to future changes in lifestyle; and

xii. Locating Tall buildings in locations which are highly accessible through walking and public transport and within an existing or proposed cluster of tall buildings.
4.86 High quality sustainable design is vital if Cardiff is to meet the objectives set out in the Vision and develop as a world-class capital. More specifically, good design plays a number of significant roles: tackling climate change; protecting and enhancing Cardiff’s natural and built environment; protecting local distinctiveness; attracting investment and promoting social inclusion, health and quality of life.

4.87 Good design therefore goes beyond traditional aesthetic considerations and should be an aim for all development proposals within Cardiff, regardless of their scale. Together with the masterplanning approach set out in Key Policy KP4, above, and relevant Detailed Policies, it is considered that the Plan provides a sound policy framework to ensure the best possible design solutions are secured as the Plan is implemented. Implementation of this Policy, which is aimed in part at improving water resource use efficiency, will ensure adequate water supply without adverse impacts on the River Usk and River Wye SACs, thereby helping to avoid the likelihood that this Plan will have a significant effect upon European designated sites. Implementation of this Policy will also reduce emission of air, water and ground pollutants, thereby offsetting increases in pollution arising from implementation of other policies in the Plan. This would contribute to avoiding significant effects upon European Sites.

4.88 There is currently a range of design-related SPG for different forms of development. These will be updated and consolidated as summarised in Appendix 5 to provide full guidance on the detailed interpretation of this Policy.
3. Bringing forward new infrastructure

**KP6: NEW INFRASTRUCTURE**

New development will make appropriate provision for, or contribute towards, the necessary infrastructure required as a consequence of the proposed development. Such infrastructure will be delivered in a timely manner to meet the needs of existing and planned communities and includes the following aspects which may be required subject to the nature and details of the proposal:

- Transportation and highways including access, circulation, parking, public transport provision, walking and cycling;
- Affordable Housing;
- Schools and education;
- Health and social care;
- Open space, recreational facilities, playgrounds, allotments;
- Community buildings and facilities including District and Local Centre improvements;
- Waste management facilities including recycling and services;
- Local employment and training including replacement employment opportunities where relevant;
- Community safety initiatives;
- Protection, management, enhancement and mitigation measures relating to the natural and built environment;
- Utility services;
- District heating and sustainable energy infrastructure;
- Public realm improvements and public art; and
- Other facilities and services considered necessary.

**4.89** Policy KP6 seeks to ensure that new developments, irrespective of their size, location or land use, make appropriate provision for infrastructure. Specific infrastructure requirements will vary in different locations and be dependent upon the scale and nature of proposed development. Infrastructure may be required to facilitate development (such as highways or utilities) or can be required to make a development acceptable (such as schools, community facilities, open space). For example, it may include elements from the list contained as part of the Policy, which is not exhaustive, but gives an indication of the potential scope of infrastructure which may be required.

**4.90** The list serves to give a general indication only as each topic may have complex requirements. For example transportation infrastructure could include elements of the following:
- Routes and facilities for walking and cycling comprising both on-road and off-road improvements;
- Rapid transit corridors, including heavy rail, light rail, tram train and bus rapid transit;
- Key bus corridors and the wider bus network including bus priority measures and passenger facilities;
- The rail network and rail services including new rail stations, station improvements and facilities for rail freight;
- Transport interchanges to support integration between modes including, bus and rail stations, facilities for bus and rail-based park and ride, park and share, passenger drop off, taxis, park and cycle, coach parking, overnight lorry parking and water transport;
- Designated freight routes and freight transfer facilities;
- The road network, particularly measures to make better use of existing highway capacity;
- Transport by river (including Cardiff Bay); and
- Port and shipping facilities.

4.91 Further work has therefore been undertaken to supplement the Policy and is included in Supporting Document 6 (Infrastructure Plan) which provides details and evidence of the infrastructure that is required to support the planned level of growth. The Infrastructure Plan also identifies the potential costs of such infrastructure, potential funding mechanisms and sources and an indication of phasing requirements. The diagram set out below shows some of the potential funding sources for infrastructure provision. However, at this stage it is important to note that there are numerous potential funding sources and that the potential sources shown on the diagram raise peripheral issues which require further discussion and work to investigate the feasibility of securing funding through these means.
4.92 Within larger sites, which are the subject of detailed masterplanning and phasing, it is likely that necessary infrastructure can be delivered as part of comprehensive mixed-use development. This infrastructure could be delivered through planning obligations or by direct intervention from service/infrastructure providers. In all cases, the early identification of infrastructure requirements and a commitment from developers and service providers to work in partnership will help ensure that all necessary infrastructure can be planned, delivered and managed in an orderly and timely manner.

4.93 The provision of flexible, multi-functional buildings and places will allow for essential services to be provided, whilst allowing communities to define and re-define their infrastructure requirements over time. A strong commitment to shared community buildings, services, their management and maintenance will ensure that facilities are at the heart of the community, whilst reducing overall costs to both developers and service providers. The principle of community buildings integrated within multi-function “hubs” (for example, the new @Loudoun development in Butetown) is a trend which is set to continue. The Infrastructure Plan (Supporting Document 6) provides further information regarding potential opportunities for shared premises as well as an indication of compatible uses and services.

4.94 A Community Infrastructure Levy (CIL) for Cardiff will be progressed following the adoption of the Plan. The balance between site masterplanning, planning obligations and CIL to deliver infrastructure will be informed by site viability,
dialogue with developers and the availability of other funding sources. Detailed Policy KP7 (Planning Obligations) provides further detail and describes those infrastructure requirements which may be delivered through planning obligations.

4.95 There may also be additional requirements depending on the scale, nature, location and phasing of proposed developments to support the future needs of infrastructure providers and the communities they serve. Further detailed work will be undertaken following consultation on the Deposit LDP to fine tune requirements and delivery sources. This will include identifying in more detail the different ways in which infrastructure can be provided.

**KP7: PLANNING OBLIGATIONS**

Planning obligations will be sought to mitigate any impacts directly related to the development.

4.96 Planning obligations are a means of overcoming obstacles to the grant of planning permission. They are attached to planning permissions and are commitments by developers to undertake necessary works or make financial contributions that cannot be secured by condition or other statutory means.

4.97 New development often generates additional demands upon existing services, facilities, infrastructure and the environment. Planning obligations are a means of seeking contributions from developers towards these demands, as well as negotiating benefits that improve the standard of development proposals by providing necessary infrastructure and community benefits.

4.98 The legislative and policy framework governing the use of planning obligations is provided in PPW, Community Infrastructure Levy Regulations 2010 and Welsh Office Circular 13/97 ‘Planning Obligations’.

4.99 The CIL Regulations require there to be no overlap between infrastructure funded from CIL and what can be delivered through planning obligations. To avoid duplication, and to provide clarity to developers, the Authority will publish a list (Regulation 123 List) of the infrastructure which will be funded through the CIL. For infrastructure not included on the Regulation 123 List, it may be appropriate to secure necessary infrastructure through planning obligations.

4.100 Obligations will be sought from a developer to:

- Restrict the development or use of land;
- Require land to be used in a specific way;
- Require operations or activities to be carried out; or
- Require payments to be made to the authority.
4.101 They will be sought where they are:

- Necessary to make a proposal acceptable in land use planning terms;
- Relevant to planning; and
- Directly related to the proposed development.

4.102 Obligations are normally negotiated under Section 106 of the 1990 Town and Country Planning Act. Agreements can also be entered into under Section 278 of the 1980 Highways Act. These prescribe the highway works required as a result of proposed developments. SPG will be prepared to provide further guidance on the use of planning obligations.

4. Delivering sustainable transportation solutions

**KP8: SUSTAINABLE TRANSPORT**

Development in Cardiff will be integrated with transport infrastructure and services in order to:

i. Achieve the target of a 50:50 modal split between journeys by car and journeys by walking, cycling and public transport.

ii. Reduce travel demand and dependence on the car;

iii. Enable and maximise use of sustainable and active modes of transport;

iv. Integrate travel modes;

v. Provide for people with particular access and mobility requirements;

vi. Improve safety for all travellers;

vii. Maintain and improve the efficiency and reliability of the transport network;

viii. Support the movement of freight by rail or water; and

ix. Manage freight movements by road and minimise their impacts.

4.103 For Cardiff to accommodate the planned levels of growth, existing and future residents will need to be far less reliant on the private car. Therefore, ensuring that more everyday journeys are undertaken by sustainable modes of transport – walking, cycling and public transport – will be essential.

4.104 The location and form of developments are major determinants of the distance people travel, the routes they take and the modes of transport they choose. Much of the growth in car travel in recent decades can be attributed to developments which have been poorly integrated with the transport network. Integration of land use and transport provision can help to manage travel demand, avoid developments which are car dependent and make it easier to facilitate movements by sustainable modes.
4.105 The purpose of this Key Policy, therefore, is to ensure that developments are properly integrated with the transport infrastructure necessary to make developments accessible by sustainable travel modes and achieve a necessary shift away from car-based travel.

4.106 Currently (2011) 64% of all weekly journeys (work and non-work related) are made by car, whilst 36% are made by other modes. A central aim of the transport strategy supporting the LDP is to achieve a 50:50 split between travel by car and sustainable travel. This target is not simply a policy aspiration; local knowledge of the transportation network and research of travel behaviour, patterns and trends in combination with modelling work carried out by the Council has shown that achieving this ratio is necessary for the transport network to accommodate movements associated with the growth envisaged within this plan in a way which avoids unmanageable levels of congestion on the highway network.

4.107 Supporting Document No. 5, gives details of the transport model developed to assess the overall impact of proposed development sites on the highway network in Cardiff in 2026.

4.108 The model is based on the morning peak periods when pressures on the highway network are greatest. Peak period flows have been modelled on a 2010 base and then compared with 2026 based on the following increases in housing and employment:

- A 25% increase in housing (142,382 to 178,594)
- A 20% increase in jobs (from 198,400 to 238,400)

4.109 The 2026 model was based on the 2010 highway network and assumes no changes have been made to accommodate the additional vehicle movements from the development sites; this approach is known as a ‘business as usual’ scenario. This has enabled the impact of the LDP Preferred Strategy to be fully quantified. The key outcomes of the modelling exercise illustrate that:

- The demand for travel by car would increase by 41%;
- 10% of new demand would be unable to travel on the highway network due to lack of capacity so there would be a 32% net increase in traffic;
- Average journey speeds would decrease; and
- Journey times would increase by approximately 41% or 7 minutes (average).

4.110 The Council's modelling assessment demonstrates that the growth projected in the LDP will result in major increase in transport movements generally including significant additional trips on the highway network. Furthermore, that in order to accommodate the additional vehicular trips on the highway network, it will be necessary that at least 50% of all trips on Cardiff’s transport network are made by sustainable modes by the end of the Plan period in 2026.
4.111 The results of the modelling and assessment work show that in order to achieve a 50:50 split between car-based and non car-based travel, development proposed in the LDP will need to be supported by significant new transport infrastructure, improvements to existing transport facilities, and measures to manage travel demand and encourage use of sustainable transport both within existing and new communities in Cardiff. In light of the scale of transport impacts highlighted in the transport evidence base, it is essential that in considering planning applications, the Council seeks to secure measures which maximise the accessibility of development schemes by sustainable modes.

4.112 It is accepted that for some development sites it may not be possible to achieve a 50:50 modal split, at least in the short term. However, in light of the scale of transport impacts highlighted in the transport evidence base, it is essential that in considering planning applications, the Council seeks to secure measures which maximise the accessibility of development schemes by sustainable modes.

4.113 For smaller schemes, this could include accommodating through-pedestrian or cycle movements within the development layout or positioning access to the site where it could minimise the walking distance to the nearest bus stop.

4.114 For larger development schemes which have significant transport implications, more substantial measures will be required to address travel impacts and maximise sustainable access. It is important to clarify that achieving the 50:50 modal split target will not be a matter of requiring all new developments within the plan period to achieve a 50:50 modal split. Rather, the target will be achieved by the Council seeking to secure through the development process measures which maximise the possible share of trips made by sustainable modes for all sites. It is accepted that for some developments a 50:50 modal split may not be achievable, at least in the short term. However, for other development sites the Council will seek to secure a higher than 50% share of trips by sustainable modes.

4.115 Planning applications for development schemes at or above the size thresholds specified in TAN18: Transport will need to be supported by a Transport Assessment (TA). The TA will provide the basis for assessing all the potential travel impacts of developments including their effect on the highway network and the likely modal split of the trips that would be generated. This assessment will help establish the gaps in existing transport provision and the measures necessary to make a development accessible by sustainable modes.

4.116 Such measures will be secured as a condition of planning consent and/or by way of planning obligation. In all cases, the nature of the measures sought will be in proportion with the scale of the development and the impacts requiring mitigation.

4.117 For planning applications relating to the LDP strategic sites, the Council will seek to secure the on-site and off-site transport infrastructure identified within the schematic master plans and site-specific principles for each site. Implementation
of this Policy will help to reduce pollution arising from road traffic. This will counteract increases in atmospheric pollution as a result of the Plan, thereby avoiding significant effects upon internationally designated sites.

4.118 The transport aspects of all development proposals will be considered with regard to this key Policy and the detailed transport policies featured below.

5. Responding to evidenced economic needs

KP9: RESPONDING TO EVIDENCED ECONOMIC NEEDS

Provision will be made for a range and choice of new employment sites including those identified in KP2 for different types of employment and in different geographical locations to effectively deliver the level of growth set out in the plan together with putting in place a framework to protect the role of existing employment land.

4.119 This Policy responds to Cardiff’s role as the main economic driver in South East Wales and operates as a city-region which effectively increases the population to around 1.4 million reflecting its position as capital of Wales and seat of Welsh Government and accounting for 32% of total employment in South East Wales. It delivers the strategic aspirations for economic development in Cardiff through the identification and protection of employment land and premises and opportunities to deliver the key economic growth sectors relating to ICT, energy and environmental technologies, advanced materials and manufacturing, creative industries, life sciences and financial and professional services.

4.120 At the heart of this approach is recognition that the Cardiff city-region clearly forms a natural economic area and it has consistently made a major positive contribution to the economic growth of Wales. In core city analysis, Cardiff performs well and there is an opportunity to build further on this through continuing to enhance Cardiff’s role and also improve linkages and connectivity within the city-region. It is also recognised (as evidenced in the recent Cardiff LDP regional collaborative working exercise summarised in Supporting Document 17) that there are significant benefits for adjoining areas from Cardiff’s success in achieving economic growth.

4.121 The economic strategy for the LDP supports inward investment and new business requirements through striking a balance between the supply and demand for employment land and continuing to provide a diverse range of job opportunities. Critical to the economic strategy for the city is an appreciation of the changes in population, labour market and employment base together with achieving the
appropriate balance between the provision of new jobs and homes. Supporting Document 4 provides detailed evidence on how such matters have been addressed.

4.122 A number of key issues and messages emerge from the supply and demand studies which have implications for Cardiff’s economic performance and therefore are critical elements of the economic strategy for the LDP. The evidence points to the need for a Strategy that addresses these three issues:

- Providing a range and choice of new employment land;
- Cardiff Central Enterprise Zone as a core element of the strategy; and
- Recognising the role of existing employment land and premises.

4.123 In terms of providing for new employment land, the Deposit LDP sets a framework for delivering a wider range and choice of employment sites in different locations and for different sectors including the key market sectors of ICT, energy and environmental technologies, advanced materials and manufacturing, creative industries, life sciences and financial and professional services. The range of new sites ensures that Cardiff can deliver the stated level of growth for new jobs. Importantly, different sites will perform different roles in the strategy. For example, land at Junction 33 may be better suited to ICT, life sciences, energy and environmental technologies whilst Porth Teigr (Roath Basin) is becoming an important location for media and creative industries. Land south of St Mellons Business Park is also allocated to provide a strategic employment site capable of attracting inward investment opportunities for high value service and knowledge based sectors.

4.124 The provision of employment land as part of wider housing-led comprehensive developments at North West Cardiff, North East Cardiff, Arjo Wiggins and Roath Basin provides an important role in terms of the overall supply and mix of employment land offering a good range and choice of small out of centre employment sites, including offices, creative industries, small workshops, and starter units. This will be essential to ensure the continued provision of local employment opportunities and address the geographical employment disparities across the county.

4.125 The geographical spread of the ‘Cardiff offer’ also addresses the need to provide jobs in accessible locations. In this respect, the key strategic proposal relating to the Cardiff Central Enterprise Zone and Regional Transport Hub represents a highly sustainable and accessible location, close to areas of high unemployment in the city but also readily accessible to the wider region via sustainable modes of transport.

4.126 This key site is an integral part of the Council’s economic vision to establish Cardiff as a leading European business city over the next two decades and will underpin and promote the financial and professional services sector and create
a platform for investment. It will greatly assist promoting Wales’ share of UK inward investment which has fallen from previous rates of 20% to just 2%. Furthermore, the scale of this proposal relating to Grade A office space is potentially a real ‘game changer’ for Cardiff and Wales to compete more effectively with other UK cities.

4.127 It is a long-term proposal which seeks to revitalise up to 140 acres of brownfield city-centre land adjacent to Cardiff Central railway station. It will focus on enhancing Cardiff’s growing reputation as a finance and professional services cluster and is a key sustainable regeneration project.

4.128 Integrated transport sits at the heart of the Cardiff Central Enterprise Zone with Central Square becoming the hub of the Enterprise Zone. The proposal represents the next phase of redevelopment of Cardiff city centre and aims to create a modern and high quality gateway to the city whilst extending the function of the city centre south of the railway line, creating a better link between the city centre and Bay and a provide a new convention centre to attract business, tourism and promote the city for business. The Cardiff Central Enterprise Zone is one of 7 new Enterprise Zones in Wales designated by the Welsh Government and the only Zone in the focused on financial and professional services. The Zone came into effect on 1st April 2012 and has a lifespan of 5 years.

4.129 It is important to ensure that a range and choice of employment land and business premises are provided to maintain and improve the competitiveness of the city, promote and protect indigenous business and attract inward investment. There has been growing pressure over recent years for the development and redevelopment of employment land and premises for alternative uses (predominantly residential), whether still occupied or where current operations have ceased, which offer a greater level of return for investors. Such development proposals can result in significant losses to the county’s stock of employment land and premises.

4.130 The loss of employment land can be incremental with the loss of one site setting the precedent for the loss of a series of others in a similar location, leading to a gradual erosion of an employment area. Sometimes alternative uses can also fragment a larger business area or sever links between employment uses in an area. Over time pressure for alternative uses result in a cumulative loss of employment sites to the detriment of the local economy. In addition many existing industrial areas are located within the ‘southern arc’ of deprivation in areas of greatest need for jobs and it is important to retain employment in these locations due to their accessibility.

4.131 The Strategy seeks to protect existing business and industrial and warehousing land (B1b/c, B2 and B8 uses) to ensure their continued important contribution to providing accessible sources of employment in the city. Similarly, there will be a strong presumption in favour of retaining existing high quality and accessible
office accommodation. However, consideration will be given to the change of use (to housing for example) of lower quality office and industrial premises which do not perform an important strategic or local role in terms of the overall range and choice of premises. Where alternative use of land is considered appropriate, priority will be given to mixed-use development comprising employment, housing and community facilities or, where that is not feasible, housing. (This policy position will also help to support future windfall provision over the Plan period) Other proposals will need to demonstrate why a mixed-use of housing and employment schemes cannot be achieved on a site.

4.132 It is also important to recognise the role of the sea port, ABP and its tenants in South Wales directly and indirectly supports over £1.7 billion of gross output in Wales. There are therefore opportunities to continue to support the role of the port, particularly its potential to generate new industry and services (Competitive Capital – The Cardiff Economic Strategy 2007 to 2012, Cardiff Council).

4.133 In addition, in order to maximise the contribution to providing jobs from existing sites and promote the efficient use of land, the strategy seeks to encourage the intensification and refurbishment of existing employment land and premises which are under used, vacant or in decline. The Strategy supports the regeneration of land and property for employment purposes such as Mount Stuart Square as a focus on innovative business.

KP10: CENTRAL AND BAY BUSINESS AREAS

The following uses are considered appropriate within the Central and Bay Business Areas:

i. New offices, residential and commercial leisure uses within the Central and Bay Business Areas;
ii. Enhanced retail and complementary facilities within the Central Shopping Area; and
iii. Other uses most appropriately located in city centres.

4.134 This Policy describes the range of uses appropriate within the Central and Bay Business Areas, as identified on the Proposals Map. It identifies those uses most appropriately located in centres accessible to large numbers of people and encourages a mix of complementary uses to maintain and enhance the vitality, attractiveness and viability of such centres. Identified within the Central Business Area (CBA) is the Central Shopping Area, as defined on the Proposals Map, where new and improved retail uses are most appropriate to maintain a vibrant and vital shopping centre.
4.135 The CBA is the administrative and business heart of the city, and the established focus for major office and commercial leisure developments. The CBA contains the Central Shopping Area, with the recent St. David’s redeveloper confirming Cardiff’s position at the head of the regional shopping hierarchy. The civic centre is home to the National Museum of Wales and Cardiff University which, along with Cardiff Castle and Bute Park to the north, provide the historic setting for the city centre. The area has the diversity and attractiveness befitting a European capital city.

4.136 The Bay Business Area (BBA) is the focus for government, tourism and leisure development; with the Senedd, the Wales Millennium Centre and other landmark buildings redefining the architectural quality and attractiveness of the waterfront and its environs. Future development should continue to enhance the waterfront as an attractive and diverse mixed-use location, whilst complementing and supporting the CBA as the economic driver for the city region. The Cardiff Bay Barrage has created a 200 hectare freshwater lake and 13km of waterfront providing opportunities for further tourism and water based recreation as well as attracting significant inward investment in an attractive waterfront location.

4.137 New and improved leisure, recreation and tourist facilities are important for the future development of Cardiff. These uses are major employers in the city centre and generate significant benefits to the local economy. By improving the quality and range of sporting, recreation and leisure facilities, the area is made a more attractive place in which to live, work and visit, thereby helping to attract inward investment and regeneration. These attractions are also important for city marketing and the branding of Cardiff as a major cultural, sporting and leisure destination. Furthermore, it is recognised that these facilities are an important factor in improving the well-being and quality of life of our local communities.

4.138 The Central and Bay Business Areas also contain a significant number of residential premises including high-rise apartment blocks, student accommodation and residential uses above commercial premises. Although the city centre and bay areas have experienced a large increase in residential development over the past 20 years, there remains the potential for further residential development. New residential development within the Central and Bay Business areas will support the delivery of balanced, mixed use areas where, by virtue of their proximity to public transport, leisure, employment and community facilities, can create sustainable urban neighbourhoods and contribute to the daytime and evening economy.

4.139 A series of City Centre Strategies have been prepared since 1997, providing the framework for the strategic regeneration and management of the city centre. A new Strategy is to be prepared alongside a series of Area Action Plans to define the regeneration activity and infrastructure necessary to deliver, sustain and manage the development of the city centre for present and future generations.
4.140 Mineral resources are a valuable but finite resource. An adequate and steady supply of minerals is essential to the national, regional and local economy and their exploitation makes a significant contribution to our economic prosperity and quality of life. Cardiff is one of the largest producers and consumers of minerals in the region and those worked in Cardiff at present provide the essential raw materials for our buildings, infrastructure and maintenance. Natural minerals include quarried hard rock (carboniferous limestone and dolomite) and dredged sand landed in Cardiff Docks.

4.141 Crushed rock production in the past has averaged 1 million tonnes (mt.) per annum, broadly similar to the County’s consumption. In addition approximately 0.3 mt. of sea dredged sand is landed at Cardiff Docks every year. The majority of natural mineral production is used in the construction industry as aggregates. Secondary materials, such as construction and demolition waste, are also used as substitutes for natural aggregates. Existing permitted reserves of hard rock minerals (41 mt.) represent over 69 years’ supply at current output rates, sufficient to meet need well beyond the Plan period. Regionally, Cardiff contributes around 10% of South Wales’ annual crushed rock aggregate production and its reserves represent 8% of the regional total, sufficient to maintain this contribution during the Plan period. This Policy recognises that Cardiff is an important regional provider of minerals and provides for the continuation of its present contribution to regional demand.

4.142 The Policy promotes the increased use of alternatives to naturally occurring minerals. The re-use or recycling of construction and demolition material and industrial waste serves not only to reduce the amount of waste produced but also conserves scarce non-renewable natural mineral resources and minimises environmental damage.

4.143 However, allowing for improvements in recycling and re-use, there will remain a need for primary minerals. It is recognised that natural mineral resources can only be replenished over geological timescales and that they need to be protected
for future generations. As minerals can only be worked where they exist, it is important to protect them from inappropriate development, which could effectively sterilise them. The Policy precludes inappropriate development on mineral reserves and resources themselves and allows for buffer zones within which sensitive development will be prevented.

**KP12: WASTE**

**Waste arisings from Cardiff will be managed by:**

i. Promoting and supporting additional sustainable waste treatment facilities, measures and strategies in accordance with the Regional Waste Plan and in a manner that follows the waste hierarchy which seeks to maximise the reduction of waste in the first place and thereafter reusing, recovering and recycling options before disposal of waste;

ii. Encouraging the provision of in-building treatment facilities on existing and allocated areas of general industry;

iii. Supporting the provision and maintenance of sustainable waste management storage and collection arrangements in all appropriate new developments; and

iv. Supporting waste minimisation and the provision of facilities that use recycled or composted products.

4.144 Cardiff produces around a million tonnes of waste each year, varying from harmless inert materials to highly toxic chemical by-products and residues. It is important for the Council to manage the land use implications of this waste in an environmentally acceptable and sustainable way. The Council is moving towards more sustainable waste management practices in line with European and national guidance, by increasing the amount of municipal waste recycled or composted and reducing the amount of biodegradable waste sent to landfill. Additional treatment facilities are likely to be required within the Plan period in order to achieve these aims.

4.145 The South East Wales Regional Waste Plan indicates that a maximum of 20.9 hectares of land will be required for waste management facilities within the county. New waste management facilities will generally be favoured on B2 land for general industry, in line with national guidance. In this respect the 1st Review of the Regional Waste Plan endorsed by the Council in July 2008 identifies a range of potential sites for waste management purposes on vacant general industrial land.

4.146 All appropriate new development should include provision for the storage, recycling and management of waste. This will encourage waste reduction, recycling, composting and separation at source, in order to contribute towards meeting waste management targets.
6. Responding to evidenced social needs

**KP13: RESPONDING TO EVIDENCED SOCIAL NEEDS**

A key part of the successful progression of the city will be to develop sustainable neighbourhoods, tackle deprivation, and improve the quality of life for all. This will be achieved through:

i. Providing a range of dwelling sizes, types and affordability including seeking to provide a target of 6,953 affordable dwellings over the remaining 13 years of Plan period;

ii. Supporting the vitality, viability and attractiveness of existing District and Local Centres and their regeneration, including retail and other commercial development and housing of an appropriate scale;

iii. Encouraging the provision of a full range of social, health, leisure and education facilities and community infrastructure for both existing and new communities that are accessible to all by walking and cycling and public transport;

iv. Supporting the regeneration of deprived communities within the city and maximising the additional benefits that new communities can bring to adjoining or surrounding communities;

v. Encouraging the enhancement of communities through better equality of access to services for all, promoting cultural and wider diversity for all groups in society, and creating places that encourage social interaction and cohesion;

vi. Developing new cultural and sporting facilities to build upon Cardiff’s role as a major tourist, cultural and sporting destination for visitors and residents alike; and

vii. Designing out crime and creating communities which are safer and feel safer.

4.147 PPW promotes sustainable communities. In delivering sustainable communities, the Council will seek to ensure a range of dwelling sizes, types and affordability is provided in terms of both market and affordable housing to meet identified needs (including supported and sheltered housing and other special needs where appropriate), in safe neighbourhoods. In Cardiff, in line with national trends, average household size has been declining and in general this has been reflected in an increasing proportion of 1 and 2 bedroom flats in schemes with residential consent.

4.148 Whilst the provision of flats does cater for those seeking smaller units of accommodation, and this may free up other larger units of existing housing, there will still be a need for a range of dwelling types and sizes to be provided on sites
that come forward during the Plan period. Whilst flats may be appropriate on some sites, the Council will seek to ensure, particularly in larger schemes, that a range of dwelling types and affordability is provided.

4.149 The affordable housing target (6,953 or 535 units per annum) identifies the number of affordable housing units that it is anticipated will be provided over the remainder of the Plan period 2013 to 2026. The target takes into account the current landbank of affordable units (less an allowance for flexibility) and expected contributions from strategic and non-strategic sites, windfall sites and change of use schemes based on the affordable housing target percentages (30% for greenfield sites and 20% for brownfield sites) outlined in Policy H3. It is also likely that some affordable housing will also come forward from sources other than by the use of planning obligations, for example on sites or in dwellings acquired by social housing providers.

4.150 The Plan also supports the viability and attractiveness of District and Local Centres which form an important part of Cardiff’s retail hierarchy and of its social, economic and physical fabric. In addition to their primary function of providing local shopping facilities they also accommodate a range of accessible services facilities and employment. This Policy aims to support the retention and provision of local shopping facilities, which remains the primary role of centres and underpins their vitality, attractiveness and viability. Such facilities are also accessible to the local community by public transport, walking and cycling thereby supporting the sustainable transportation objectives set out in the Plan. Furthermore, the Policy also seeks to encourage investment and renewal of the physical fabric of centres.

4.151 Providing a range of community, health, religious and educational facilities which are accessible to as many people as possible is an essential requirement in order to secure sustainable communities. Such facilities are significant local employers and can contribute towards the regeneration of local areas. Additionally, these services are essential to maintain and improve the quality of life of people living and working in Cardiff.

4.152 The masterplanning approach which has been adopted to provide a framework for the development of strategic sites fully recognises the potential benefits that new development can bring to adjoining areas. Opportunities can be taken to deliver the aims of this Policy by new development enhancing the quality and range of existing provision of a range of facilities and services.

4.153 In order to further support the regeneration of deprived communities within the city the LDP will support implementation of the Council’s Neighbourhood Improvement Programme (March 2007) and the Communities First Programme, which aim to close the gap between the most deprived neighbourhoods and the city as a whole.
In order to secure sustainable communities it is important that the LDP helps promote a culture in which diversity is valued and equality of opportunity is a reality. This can be achieved through a combination of policies within the Plan, particularly those creating places that encourage social interaction and cohesion.

**KP14: HEALTHY LIVING**

Cardiff will be made a healthier place to live by seeking to reduce health inequalities through encouraging healthy lifestyles, addressing the social determinants of health and providing accessible health care facilities. This will be achieved by supporting developments which provide for active travel, accessible and useable green spaces, including allotments.

This Policy accords with the aim in PPW to deliver sustainable development through ensuring that health is considered in new developments. It also assists achievement of a number of PPW objectives regarding travel and access to key community facilities. It reflects the direction that ‘health considerations can be material considerations in determining planning applications’ (PPW Para. 12.13.8) and accepts that the effect of development on people’s health is a key element of sustainable development and its consideration will raise any significant issues which need to be taken into account.

Implementation of this Policy supports the Cardiff Partnership Strategy (2010-2020) and the population outcome ‘people in Cardiff are healthy’. It also contributes to the delivery of a number of objectives regarding healthy lifestyles including physical activity and recreation, in accordance with Our Healthy Future (Welsh Government 2009), Fairer Health Outcomes for All (Welsh Government 2011) and Creating an Active Wales (Welsh Government 2010).


Overall, these policies and guidance conclude that the built and natural environment together with lifestyle behaviours contribute to improving health. Key measures to improve the health of the population include supporting:

- Active travel such as walking and cycling;
- Access to well-maintained open spaces for physical activity and food growing; and
- Access to health care facilities.

Such measures will assist in:
• Achieving and maintaining a healthy weight;
• Protecting mental health; and
• Reducing stress levels.

4.160 Cardiff has a wealth of open spaces and walking and cycling rates to work/school and for leisure are on the increase and it is important to protect and enhance these assets for health improvement.

7. Respecting Cardiff’s environment and responding to climate change

KP15: CLIMATE CHANGE

To mitigate against the effects of climate change and adapt to its impacts, development proposals should take into account the following factors:

i. Reducing carbon emissions;
ii. Protecting and increasing carbon sinks;
iii. Adapting to the implications of climate change at both a strategic and detailed design level;
iv. Promoting energy efficiency and increasing the supply of renewable energy; and
v. Avoiding unnecessary flood risk by assessing the implications of development proposals within areas susceptible to flooding and preventing development that unacceptably increases risk.

4.161 A core function of the Plan is to ensure that all development in the city is sustainable, taking full account of the implications of reducing resource use and addressing climate change. This Policy provides a framework for sustainable growth by promoting development that mitigates the causes of climate change and which is able to adapt to its likely effects. This long-term approach is vital if Cardiff is to realise the economic, environmental and social objectives set out in the Vision.

4.162 In the first instance, a reduction in carbon emissions will be achieved by means of controlling the energy demand associated with development through maximising energy efficiency. Secondly, sustainable sources of energy should be incorporated, without reliance on fossil fuels.

4.163 Carbon sinks act as a means of off-setting carbon emissions by natural means. Trees and soils act as substantial reservoirs of carbon, sequestering atmospheric carbon, and contributing substantially to soils, which accrete carbon faster under tree cover than other forms of vegetation. This stored carbon will usually be
4.164 As far as practicable, trees should be retained and protected, and land kept as functioning vegetated soil open to the fall of organic matter, with new trees and shrubs provided by developers wherever possible. Where trees and shrubs cannot be surrounded by open soil, hard surfaces should not be used unless there is an overriding need, and areas that are not needed for pedestrian or vehicle use should be retained for soft landscape. Cardiff's open spaces, trees and soils play a crucial role in mitigating the effects of climate change at the local level. Open vegetated soils absorb rainfall and runoff.

4.165 Adapting to the implications of climate change will require buildings which are able to cope with the likely increased temperature ranges, more frequent and severe flooding and increased extreme weather events. Buildings and related infrastructure should be designed to be flexible not only to climatic change but also to accommodate a variety of uses over their lifetime rather than being suitable for one sole application. Landscape will be a critical issue with trees providing protection both by shading and active cooling. This cooling will be required particularly in the city centre and District Centres, and where the young children, older people, and people with mobility impairments gather.

4.166 The Council will require high standards of energy efficiency in new development in accordance with national guidance and as further amplified in relevant Deposit LDP policies and supporting guidance. Implementation of this Policy, which promotes incorporation of renewable energy generation, will also reduce emission of aerial pollutants, thereby offsetting increases in aerial emissions arising from implementation of other policies in the Plan. This would contribute to avoiding significant effects upon European Sites.

4.167 Avoiding unnecessary flood risk will be achieved by strictly assessing the flood risk implications of development proposals within areas susceptible to tidal or fluvial flooding and preventing development that unacceptably increases risk. Development will only be considered in areas at high risk of flooding where information is provided to demonstrate that a proposal satisfies the Flood Consequence Assessment tests set out in TAN 15: Development and Flood Risk.
KP16: GREEN INFRASTRUCTURE

Cardiff’s distinctive natural heritage provides a network of green infrastructure which will be protected, enhanced, created and managed to ensure the integrity and connectivity of this multi-functional green resource is maintained.

Protection and conservation of natural heritage network needs to be reconciled with the benefits of development. Proposed development should therefore demonstrate how green infrastructure has been considered and integrated into the proposals. If development results in overall loss of green infrastructure, appropriate compensation will be required.

Natural heritage assets are key to Cardiff’s character, value, distinctiveness and sense of place. They include the city’s:

i. Undeveloped countryside and coastline (EN1 and EN2);
ii. Landscape, geological and heritage features which contribute to the City’s setting (EN3);
iii. Strategically important river valleys of the Ely, Taff, Nant Fawr and Rhymney (EN4);
iv. Biodiversity interests including designated sites and the connectivity of priority habitats and species (EN5, EN6 and EN7);
v. Trees (including street trees), woodlands and hedgerows (EN8);
vi. Strategic recreational routes, cycleways and the public rights of way network (T5, T6 and T8);
vii. Parks, playing fields, green play areas and open spaces (C3, C4 and C6);
viii. Growing spaces including allotments, community orchards and larger gardens (C5); and
ix. Holistic integrated surface water management systems (EN10).

4.168 The policy aims to ensure that Cardiff’s green infrastructure assets are strategically planned and delivered through a green infrastructure network. Other policies in the Plan provide more detailed guidance on aspects of these assets, together with supporting SPG.

4.169 The green infrastructure network is important for its own sake and for its contribution to the wider quality of life, including the value that people attach to it. It provides a range of economic, social and environmental benefits including reducing impacts of climate change (KP15), enhanced biodiversity habitat and species connectivity (EN5, EN6 and EN7), providing greater opportunities for sports and recreation (C4), contributing to the communities’ health and wellbeing (C7) and providing visual benefits for all (KP5).
4.170 Where development is permitted, planning conditions and/or obligations will be used to protect or enhance the natural heritage network. New developments should incorporate new and/or enhanced green infrastructure of an appropriate size, type and standard to ensure no fragmentation or loss of connectivity.

4.171 Where the benefits of development outweigh the conservation interest, mitigation and/or compensation measures will be required to offset adverse effects and appropriate, planning obligations sought. The implementation of Policies designed to provide and protect public open space throughout Cardiff would also serve to offset any increase in recreational pressure on the Cardiff Beech Woods SAC, thereby helping to avoid likely significant effect upon that site.

4.172 Management of Cardiff’s green infrastructure network should be in place prior to development, and appropriate planning obligations sought. SPG on this topic will be prepared to more fully outline the extent of Cardiff’s green infrastructure and how this policy can be implemented in more detail.

**KP17: BUILT HERITAGE**

Cardiff’s distinctive heritage assets will be protected, managed and enhanced, in particular the character and setting of its Scheduled Ancient Monuments, Listed Buildings, Historic Parks and Gardens, Conservation Areas, Locally Listed Buildings and other features of local interest that positively contribute to the distinctiveness of the city.

4.173 This Policy affords strategic policy protection for Cardiff’s historic environment as required by legislation and PPW. The historic environment enriches people’s lives and the visual appearance of the city. It reflects the diversity and culture of the communities that have formed it over time, provides evidence of Cardiff’s past and helps define its present identity and character. An understanding of the historic and cultural significance of the city can provide a context for managing change and creates a backdrop for innovation in the design of new development to shape the future of the city.

4.174 There are currently 28 scheduled ancient monuments in Cardiff. This Policy affords appropriate protection to these ancient monuments and others that may be scheduled over the Plan period, as well as other important archaeological remains identified within the Historic Environment Record. The SPG on Archaeologically Sensitive Areas provides further guidance on four areas of the city where significant finds have been recorded.
4.175 There are currently almost 1,000 buildings in Cardiff on the statutory List of Buildings with Special Architectural or Historic Interest, designated by Cadw on behalf of the Welsh Government. Along with the legislation referred to above, This Policy affords appropriate protection to these statutory listed buildings and others that may be added to the list by Cadw over the Plan period.

4.176 The Council also holds a Local List of Buildings of Merit. This Policy identifies the significance of these locally listed buildings (and others that may be added to the list by the Council over the Plan period) have in forming the character of the area. Circular 61/96 identifies the weight their designation may have in the assessment of development proposals.

4.177 There are currently 27 conservation areas in Cardiff, as identified on the Constraints Map. Along with the legislation referred to above, This Policy affords appropriate protection to these and other areas that may be designated by the Council over the Plan period. The Policy should be read in conjunction with the adopted Conservation Area Appraisal prepared for each area, including the enhancement proposals included within them.

4.178 Finally, there are currently 19 historic parks and gardens and 1 historic landscape (the Wentloog Levels) included on the Cadw/ICOMOS ‘Register of Historic Parks, Gardens and Landscapes’. This Policy affords appropriate protection to these and other historic parks, gardens and landscapes that may be added to the register by Cadw/ICOMOS over the Plan period.

4.179 4.179 In seeking to respond to the presence of heritage assets, developers are encouraged to follow a sequence of investigation and assessment to identify the cultural and historic significance of a place before developing proposals for change or alteration. In this way appropriate approaches can be developed to preserve and enhance the historic environment through proposals that respond to and complement their context. The process is commended within Welsh Office Circular 61/96 and advice within BS Standard 7913, 1998.
KP18: NATURAL RESOURCES

In the interests of the long-term sustainable development of Cardiff, development proposals must take full account of the need to minimise impacts on the city’s natural resources and minimise pollution, in particular the following elements:

i. Protecting the best and most versatile agricultural land;
ii. Protecting the quality and quantity of water resources, including underground surface and coastal waters;
iii. Minimising air pollution from industrial, domestic and road transportation sources and managing air quality; and
iv. Remediating contaminated land through the redevelopment of contaminated sites.

4.180 The best and most versatile agricultural land (grades 1, 2 and 3a of the Agricultural Land Classification) is a finite resource. Once lost to development it is rarely practicable to return such land to best quality agricultural production.

4.181 There is no up-to-date definitive map of agricultural land quality for Cardiff as a whole but the best and most versatile agricultural land is known to exist in parts of the West, North and East of Cardiff. In meeting the needs to provide new homes and jobs in this Plan, some high quality land will be lost but taking account of all relevant factors, this loss is considered justified. Moreover, by putting in place a planned and managed approach to meeting future economic and social needs, this adds strength to the protection of good quality land outside these areas.

4.182 Cardiff’s rivers, lakes, ponds and water bodies are important for a wide range of uses and users. Development has the potential to affect water quality and quantity. It is important that development is only allowed where there would be no unacceptable harm to the quality or quantity of water resources and where provision can be made for any infrastructure required to safeguard water quality and quantity. New developments should have an adequate water supply and sewerage system to serve the development. This policy, which is aimed in part at improving water resource use efficiency, will ensure adequate water supply without adverse impacts on the River Usk and River Wye SACs, thereby helping to avoid the likelihood that this LDP will have a significant effect upon European designated sites.

4.183 Poor air quality can affect people’s health, quality of life and amenity and can impact on nature conservation and built heritage interests. Development has the potential to cause air pollution, or sensitive developments can be affected by existing air quality problems in an area. In Cardiff, transport emissions are one
of the main contributors to poor air quality. Development will not be permitted if it would cause or result in unacceptable harm due to air pollution. Implementation of this Policy, which is aimed in part at improving water resource use efficiency, will counteract increases in water demand arising from implementation of other policies in the Plan, thereby avoiding significant effect upon River Usk and River Wye SACs. Implementation of this Policy will also help to counteract any increase in atmospheric pollution as a result of the Plan, thereby helping to avoid the likelihood that this LDP will have a significant effect upon internationally designated sites.

4.184 The redevelopment of contaminated land allows such land to be brought back into beneficial use, prevents dereliction and reduces the need to develop greenfield sites land. Developers will be required to demonstrate that any actual or potential contamination can be overcome, thereby ensuring that the land is suitable for the development proposed.
1. HOUSING

H1: NON-STRATEGIC HOUSING SITES

The following non-strategic sites are allocated for housing:

<table>
<thead>
<tr>
<th>Site Ref.</th>
<th>Site Name</th>
<th>Estimated Units</th>
<th>Site Size (Ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1.1</td>
<td>Land at Areas 9-12, St Mellons</td>
<td>150</td>
<td>3.98</td>
</tr>
<tr>
<td>H1.2</td>
<td>Land rear of Clive Street</td>
<td>80</td>
<td>2.87</td>
</tr>
<tr>
<td>H1.3</td>
<td>Rookwood Hospital</td>
<td>80</td>
<td>2.90</td>
</tr>
<tr>
<td>H1.4</td>
<td>Former Lansdowne Hospital</td>
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</tr>
<tr>
<td>H1.5</td>
<td>Land at Dan-y-Garth, Pentrych</td>
<td>53</td>
<td>2.49</td>
</tr>
<tr>
<td>H1.6</td>
<td>Land at former St John’s College</td>
<td>50</td>
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<tr>
<td>H1.7</td>
<td>Ely Bridge Farm, Dyfrig Road, Ely</td>
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<td>H1.8</td>
<td>Electrocoin Automatics Ltd, Caerphilly Road</td>
<td>20</td>
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<tr>
<td>H1.9</td>
<td>Land at Mill Road, Tongwynlais</td>
<td>5</td>
<td>0.40</td>
</tr>
</tbody>
</table>

To help satisfy the new dwelling requirement it is necessary to allocate non-strategic housing sites, as well as taking into account numbers of dwelling units estimated that will come forward from the existing landbank, strategic sites, and allowances for windfalls and changes of use over the Plan period to 2026.

The non-strategic housing sites listed in this Policy were put forward as candidate sites in the LDP process and are considered acceptable in principle for residential use. The proposed number of units shown for each site is indicative and may be subject to change depending on details of planning applications yet to be submitted and approved.

Supporting Document No. 1 provides a fuller explanation of how provision has been made to meet the dwelling requirement.
H2: CONVERSION TO RESIDENTIAL USE

Within the Central Business Area of the city centre, District and Local centres, as defined on the Proposals Map, the conversion of suitable vacant space above commercial premises to residential use will be favoured where:

i. Adequate servicing and security can be maintained to the existing commercial use(s);
ii. Appropriate provision can be made for parking, access, pedestrian access, amenity space, and refuse disposal together with any appropriate external alterations and;
iii. The residential use does not compromise the ground floor use.

5.4 Within the areas identified the Council will encourage the conversion of suitable space above commercial premises to residential use. The conversion of empty space above shops to residential use provides a valuable contribution to the city’s housing stock and provides much needed homes. It also positively contributes to the creation of vibrant, mixed use communities where people live and shop. Centres remain busy and populated beyond business hours, increasing surveillance and providing a market for ancillary uses associated with the night-time economy.

H3: AFFORDABLE HOUSING

Where there is evidence of need, the Council will seek 20% affordable housing on brownfield sites and 30% affordable housing on greenfield sites in all residential proposals that:

i. Contain 10 or more dwellings; or
ii. Sites of or exceeding 0.3 hectares in gross site area; or
iii. Sites of or exceeding the thresholds in (i) or (ii) above for adjacent sites.

The exact affordable housing contribution to be provided will depend on the circumstances of each proposal, particularly overall scheme viability.

5.5 The aim of this Policy is to assist the Council to meet evidenced housing need by seeking an appropriate affordable housing contribution from new residential developments in the city.

5.6 The Policy will help provide a range and mix of sustainable affordable housing, in line with Policy KP13.
5.7 PPW recognises that a community’s need for affordable housing is a material planning consideration. It also promotes mixed and inclusive communities. More detailed guidance in TAN2: Planning and Affordable Housing requires local authorities to include affordable housing policies in their LDPs where a Local Housing Market Assessment (LHMA) has provided the evidence base to support policies to deliver such housing through the planning system. The Cardiff LHMA update (2013) indicates an annual shortfall of 3,989 affordable dwellings per annum.

5.8 The Policy applies to all proposed housing developments covered by the policy thresholds, including proposals on previously undeveloped land, redevelopment schemes, schemes providing specialised accommodation (except those in which residents require a significant element of care), conversions, changes of use, and mixed-use developments containing housing. It responds to the evidenced need for the planning system to help play its part in securing land and units for affordable housing. However, housing specifically designated to cater for students would not be required to contribute an affordable housing element.

5.9 In accordance with Welsh Government guidance, affordable housing encompasses both social rented and intermediate housing where there are secure mechanisms in place to ensure that it is accessible to those who cannot afford market housing, both on first occupation and for subsequent occupiers. In addition, the Council has a duty to have regard to the needs of disabled people and chronically sick, the majority of whom are best housed in the community. Where there is evidence of need for affordable special needs housing it may, subject to Council agreement, be provided as all, or part of, the affordable housing requirement.

5.10 The Council will provide evidence of need based upon the latest Cardiff Local Housing Market Assessment Update, supplemented by current Council and Registered Social Landlord waiting lists and other relevant information. In order to create mixed and balanced communities, provision for affordable housing will be sought ‘on site’ unless the Council considers that this is impractical or inappropriate. In such exceptional circumstances, affordable housing may either be provided on another site, (location to be agreed with the Council), or a financial contribution may be provided to address affordable housing requirements elsewhere in Cardiff, in any case, provision should address the need identified in relation to the proposed development.

5.11 The LDP target for affordable housing for the Plan period is detailed in Policy KP13. During the remaining Plan period from 2013 to 2026 the target amounts to 535 units per annum.

5.12 The targets set out in the Policy are derived from the findings of an affordable housing viability study undertaken by Peter Brett Associates. This study assessed the viability of a range of housing scenarios (including a calculation for necessary
infrastructure which could be achieved through Sn106 and/or CIL, consistent with Policy KP6: New Infrastructure and the LDP Background Paper: Infrastructure Plan) for different development types with varying levels of affordable housing. In order to demonstrate viability, and take account of the higher costs associated with the development of brownfield sites the study recommended a two tiered affordable housing target. The Report confirms that affordable housing is viable at 30% on greenfield sites and at 20% on brownfield sites. This is consistent with the recommendations of the Cardiff Local Housing Market Assessment in seeking an appropriate mix of tenures to address evidenced housing need over the Plan period. The full findings of the Viability Study, including the methodology and assumptions made are set out in supporting document 20.

5.13 In negotiating affordable housing, each proposal’s actual contribution will depend on that scheme’s capacity for provision. This will ensure that the affordable housing contribution in itself will not make the scheme unviable. The Council will work with developers to agree a contribution in an open and transparent manner. In cases where agreement cannot be reached, an independent assessment will be commissioned to be paid for by the applicant/developer. Notwithstanding this, in order to determine an appropriate level of contribution all housing developments of 50 or more dwellings will be expected to provide an independent assessment paid for by the applicant/developer. The assessment should include details and costs of the necessary infrastructure to be delivered either wholly or in part to support the delivery of sustainable neighbourhoods.

5.14 Detailed guidance on the scale, tenure and nature of the affordable housing to be sought, along with information regarding what will be required as part of independent viability assessments, will be set out in the Affordable Housing SPG. The Policy will normally be implemented by the use of a planning obligation in accordance with Policy KP7.
H4: CHANGE OF USE OF RESIDENTIAL LAND OR PROPERTIES

Outside the Central and Bay Business Areas and District and Local Centres, identified on the Proposals Map, conversion or redevelopment of residential properties to other use will only be permitted where:

i. The premises or their location are no longer suitable for residential use; or

ii. The proposal is for a community use necessary within a residential area; or

iii. The proposal is for a use that could contribute to the creation of sustainable communities.

5.15 This Policy identifies the circumstances in which proposals for the conversion or redevelopment of residential properties outside the Central and Bay Business Areas and District and Local Centres identified on the Proposals Map, to other use will be permitted.

5.16 As acknowledged in PPW, offices, retail, entertainment and other uses that attract a significant number of visitors, whether by vehicle or on foot, are generally best located in centres where they are most widely accessible, particularly by public transport and have least harmful impact on residential amenity. Within Cardiff, these centres are the Central and Bay Business Areas, Central Shopping Area and District and Local centres identified on the Proposals Map. A range of Plan policies seeks to direct appropriate uses to these centres.

5.17 Outside these centres, proposals for the conversion or redevelopment of residential properties to other use will only be permitted in line with Policy H6 and if no unacceptable harm will be caused to the amenity or health of remaining residences in line with Policy H6.

5.18 There is a range of community uses that are appropriate and necessary, in principle, within residential areas. These include doctors’ and dentists’ surgeries, residential homes and child-care facilities. Similarly there are other uses such as local shops and other commercial uses, of an appropriate scale, that could contribute to the creation of sustainable communities. Such uses will be permitted where there would be no unacceptable impact on residential amenity or to an area’s character. Subsequent conversion from such uses to other non-residential uses will not normally be permitted. Further guidance on the conversion of residential properties to childcare facilities will be set out in SPG.

5.19 In order to safeguard the amenity of residential areas, there will be a general presumption in favour of permitting the range of commercial and community uses in the Central and Bay Business Areas and District and Local Centres identified...
on the Proposals Map - including by the conversion or redevelopment of existing residential accommodation - subject to relevant policies. Within the Central and Bay Business Areas, proposals will be assessed having regard to Policy KP10 District and Local Centres, proposals will be assessed having regard to Policies R5 & R6.

H5: SUB-DIVISION OR CONVERSION OF RESIDENTIAL PROPERTIES

Proposals for any conversion to flats or Houses in Multiple Occupation will be permitted where:

i. The existing property is of a size (without being extended for the proposed use), whereby the layout, room sizes, range of facilities and external amenity space of the resulting property would ensure an adequate standard of residential amenity for future occupiers.

ii. There would be no material harm to the amenity of existing, nearby residents by virtue of general disturbance, noise or overlooking.

iii. The cumulative impact of such conversions will not adversely affect the amenity and/or the character of the area.

iv. Does not have an adverse affect on local parking provision

5.20 The subdivision of a residential building into smaller residential units can be an important source of housing. It can take different forms such as:

- Subdivision of existing houses into flats and HMOs (Houses in Multiple Occupancy).
- Conversion of HMO’s to flats.

5.21 The Council requires all flat conversions and HMOs to be of a high quality and to be well designed.

5.22 The objectives of the Policy are:

- to support the creation of attractive sustainable development for self contained flats and HMOs;
- to promote good design and layout.

5.23 The subdivision of a building into smaller residential units is a sustainable form of development as it gives a new lease of life to buildings which might be redundant or economically unviable in their current use.

5.24 With sympathetic alterations to the exterior of a building, conversion has a lower visual impact on the street scene by preserving the existing frontage and respecting the character of an area.
5.25 However, unsatisfactory conversion work can result in accommodation which is an over-intensification form of development resulting in inadequate and poor quality accommodation. Occupants may be exposed to problems, such as overlooking, poor outlook, overcrowding and lack of amenity space, noise and disturbance from neighbouring premises, and inconvenient and unsafe access.

5.26 Further information will be given in SPG Design Guidance and Space Standards for Flat Conversions and Houses in Multiple Occupation HMOs.

**H6: CHANGE OF USE OR REDEVELOPMENT TO RESIDENTIAL USE**

Change of use of redundant premises or redevelopment of redundant previously developed land for residential use will be permitted where:

i. There is no overriding need to retain the existing use of the land or premises and no overriding alternative local land use requirement;

ii. The resulting residential accommodation and amenity will be satisfactory;

iii. There will be no unacceptable impact on the operating conditions of existing businesses;

iv. Necessary community and transportation facilities are accessible or can be readily provided or improved; and

v. It can be demonstrated that the change of use to a more sensitive end use has been assessed in terms of land contamination risk and that there are no unacceptable risks to the end users.

5.27 This Policy provides a framework for the assessment of applications for the change of use, conversion or redevelopment of redundant previously developed land and premises for residential purposes within settlement boundaries. It is aimed at ensuring that:

- Where necessary, land retains its existing use;
- Land that is no longer required for its existing or former use, if there is no overriding need to retain the existing use of the land or premises and no overriding alternative local land use requirement, contributes to meeting housing requirements, thereby reducing the need to develop previously undeveloped land - which is a fundamental component of the LDP Strategy; and
- New residential accommodation and environments are well-designed, environmentally sound and make a significant contribution to promoting community regeneration and improving the quality of life.

5.28 The Policy responds to evidenced social need for new homes in line with Policy KP1 and relates to Policies EC3 & H2. PPW indicates that such changes of use and redevelopment should be taken into account in housing provision. It defines
‘previously developed land’. National guidance and plan policies relevant generally to the countryside will apply outside settlement boundaries. The Policy will also apply to mixed-use development including housing.

5.29 Assessment of whether land or premises are redundant or need to be retained in their former use (criterion ‘(i)’) will include tests identified in relevant policies, notably Policy EC3 Alternative use of sites and premises relating to the protection of employment land and premises.

5.30 Considerations under criterion ‘(ii)’ will include the compatibility of neighbouring uses, preventing insensitive or inappropriate infilling, privacy/amenity, size, density, aspect scale, layout and requirements for security and amenity space.

5.31 Criterion ‘(iii)’ is intended to ensure that the introduction of residential use into an area or building does not unduly restrict the operating conditions of existing businesses.

5.32 Criterion ‘(iv)’ may involve contributions being sought from developers towards the provision of necessary community and other facilities, in accordance with Policy KP7, delivering necessary infrastructure.

5.33 Where there is a change of use or redevelopment of commercial/industrial units to residential, there needs to be an appropriate assessment for the presence of land contamination. The land contamination standards set for commercial/industrial use are not suitably protective for residential use and therefore unacceptable risks to the end users may be present and will require appropriate remediation, where residential use is proposed.

H7: ALLOCATION POLICY FOR GYPSY AND TRAVELLER SITE

Land is allocated for the provision of Gypsies and Travellers accommodation at Seawall Road as defined on the Proposals Map.

5.34 Currently, there are two Council-managed Gypsy and Traveller residential sites in Cardiff: at Rover Way and Shirenewton which were developed in the 1970’s and 1980’s. These sites provide 80 pitches between them; 59 at Shirenewton and 21 at Rover Way. In addition there are a few privately run facilities, most notably a site next to the Council’s residential site at Shirenewton. Collectively these sites generate a future need for new pitches which the Council has a statutory duty to provide for with the LDP providing the tool to formally identify appropriate land to meet this need.

5.35 In order to fully inform considerations, the Council has recently commissioned 3 independent studies carried out in consultation with the Gypsy and Traveller community to assess the relevant aspects of this matter. The first independent
study, by Opinion Research Services, was to identify the level of need over the LDP plan period. It identifies a need to provide for an additional 108 pitches in the city up to 2026 together with an additional need for a transit site of around ten pitches, which should be located near the M4 to meet the needs of Gypsy and Travellers who are visiting the area or travelling through it. The study concludes that a transit site need not necessarily fall within the boundaries of the County of Cardiff and recommends entering a cross boundary process with neighbouring Councils and across South East Wales to identify a suitable site within the region.

5.36 The second independent study carried out by Atkins examined the physical condition of the Rover Way site. It outlined some significant and challenging issues which would require resolution in future years. Therefore, in the event that this site could be replaced at some point in the future, this could add to the level of need to be provided for in the LDP (21 pitches).

5.37 The third independent study was prepared by Peter Brett Associates and provides advice to the Council on potential sites required to respond to the needs identified in the first study. It contains an assessment of potential sites for the Council to consider which is further discussed in the following paragraphs.

5.38 The Peter Brett study followed criteria set out in national guidance and looked at the availability, suitability and achievability of potential sites. The process resulted in a long list of 32 sites with 5 sites being identified as potentially suitable to contribute additional pitches. However, it is noted that the sites recommended would only deliver 92 pitches which falls short of the required number. The Council has placed the study in the public domain and received feedback on its contents. Work has been undertaken to examine the study in considerable detail. As a result of recent analysis, there are significant concerns with the suitability of all 5 recommended sites having regard to a wide range of material factors including the role of potential sites for other uses.

5.39 Consideration of the study has also included addressing all 32 sites on ‘the long list’ of sites assessed by the consultants. In this respect, further work has been undertaken with regard to the large area of unused land at Pengam Green bounded by Seawall Road to the west, and Rover Way to the south, (opposite the existing Gypsy and Traveller site at Rover Way). The study concluded that the land was not considered suitable due to flood risk but added, “However, should satisfactory flood mitigation measures be identified as part of a wider scheme to mitigate flood risk in the area it is considered the site could have the potential for Gypsy and Traveller use. The Council should keep this under review”.

5.40 Dialogue with Natural Resources Wales (NRW) undertaken since the Peter Brett study has revealed that NRW are proposing to carry out 2 flood defence enhancement schemes in relation to the River Rhymney and Roath Brook. These
schemes are currently programmed for implementation in 2015/16 as part of the Severn Estuary Flood Risk Management Strategy and will reduce flood risk in part of the flood plain contiguous with land south of the railway line.

5.41 Whilst the schemes do not remove flood risk from the unused land north of Rover Way, they provide an important stage in delivering significant measures to address flood risk in the wider area. If complemented by further measures closer to the mouth of the River Rhymney and existing tidal defences, a comprehensive solution may be feasible which significantly reduces flood risk for the whole local area including a large number of existing properties and premises in the locality. Flood defence enhancements would also be fully consistent with the Severn Estuary Shoreline Management Plan 2 which supports, ‘holding the line’ of sea defences in this area.

5.42 Detailed analysis of the land east of Seawall Road and north of Rover Way reveals different degrees of flood risk within the site. A Phase 2 Strategic Flood Consequences Assessment (SFCA) undertaken for the Council by Atkins in 2011 indicates that flood risk is within guidelines for development for conditions today but becomes an issue when considering the impact of rising sea levels in future years and guidance states regard must be had to, ‘lifetime of development’ rather than assessing purely current conditions. The western corner of the site adjacent to Seawall Road is unused with no extant planning consents and contains two large raised areas of land including access roads which removes flood risk according to national guidance criteria until 2110 flood extents whilst lower surrounding developed and unused land triggers flood risk in 2085 flood extents.

5.43 In order to fully assess the precise nature of flood risk and explore effective mitigation measures in relation to the lifetime of development, a Phase 3 Flood Consequence Assessment will need to be undertaken. Initial dialogue has taken place with NRW in this respect and the Council will commission independent consultants to work to a brief agreed with NRW and in accordance with national guidelines. Given the fact that flood risk does not become an issue until 2110 on this part of the unused land plus the fact that the Severn Estuary Strategy Management Plan is proposing sea defence improvements before this time, an allocation on this land is not unreasonable at this juncture. However, the Phase 3 study will be progressed as a priority to allow the Council time to consider its findings and update details as appropriate prior to formally agreeing the LDP submission and focussed changes in May 2014.

5.44 Having regard to other factors, there are strong reasons to support this allocation. This has the benefits of building upon the strong existing links with the existing community and facilities provided. Indeed, the site would benefit from far safer access to Willows High School and local services, overcome existing coastal erosion concerns and provide a more satisfactory living environment in a well-screened site not directly adjacent to the busy Rover Way.
5.45 In terms of potential capacity, the area of raised land adjacent to Seawall Road is approximately 3.2 hectares in size. It could be developed for Gypsy and Travellers in a phased manner utilising existing access roads together with room for new internal landscaping to compliment strong and mature boundary planting forming the western site boundary which extends to the north and east providing a distinctive feature in the local landscape. Based on existing pitch densities, the site can deliver around 65 pitches.

5.46 The site would be of a large scale in a Wales context and above recommended site size in national guidance. However this guidance also states local authorities may consider it necessary to be flexible by allowing more pitches on a site when taking into account local circumstances and the current level of need. Furthermore, the council’s experience in operating the Shirenewton site of 59 pitches has demonstrated that large sites can be very effectively managed providing both benefits for the Gypsy and Traveller community and enabling the effective delivery of supporting services. The site allows for a logical phased development where pitches can be provided in a managed and orderly manner together with integrating the provision of supporting facilities. Developing a larger site at this location is not considered a viable or sustainable solution. It would go well beyond the recommended size of sites in national guidance and well beyond the Council’s ability to demonstrate that such a model could effectively operate in practice.

5.47 The allocation of a new site for 65 pitches at Seawall Road represents a major provision in a national context and demonstrates the Council’s continued commitment to responding to the needs of a large Gypsy and Traveller community. This represents meeting more than the immediate needs in Cardiff (43 pitches) as identified in the ORS needs assessment. However, it does not satisfy the overall level of need identified in the ORS needs assessment. This is a reflection of the unprecedented level of need to be addressed in a Wales context together with the limited suitability of other potential sites as shown through consideration of the Peter Brett Study. There has been insufficient time since the consideration of the Peter Brett study to identify additional sites prior to progressing the Deposit LDP in strict accordance with the Delivery Agreement approved by the Welsh Government.

5.48 The progression of the LDP through to examination allows this issue to be more thoroughly explored including an analysis of consultation responses on the Deposit Plan. Discussions have already been initiated with the Welsh Government to progress a balanced approach to addressing needs for the South East Wales region. Furthermore, it should be noted that policy H8 provides a criteria-based policy to assess any future sites which may come forward over the plan period so the plan clearly has mechanisms to effectively consider future sites.

5.49 The consideration of the provision for Gypsy and Traveller needs on a South East Wales scale may contribute to future deliberations. A continuation of the current situation would result in future provision limited to those Authorities who
have catered for needs in the past whilst other (and often adjoining) Authorities technically will have no future needs to meet at all as there is currently no provision. This is considered an unreasonable and unsustainable approach. Future dialogue regarding strategic planning options for South East Wales including the upcoming consultation from the Wales Government on the Draft Planning Reform Bill and Consultation Paper may offer an opportunity to further explore this matter. The future consideration of a more reasonable, sustainable and strategic approach may well have implications on how provision is addressed in Cardiff.

5.50 With regard to the provision of a transit site which could accommodate about ten pitches, it is noted that the independent consultants recommended that this site should be located near to the M4 and that its location should not be limited to Cardiff. The Council has therefore made initial contact with relevant local authorities along the M4 in South East Wales with regard to exploring suitable potential opportunities to meet this element of need. Given the limited time since the studies have been completed, further work and dialogue will continue to identify a suitable transit site within the region which will then be progressed accordingly by the local authority concerned. Should the site ultimately be identified within Cardiff (although the Peter Brett study did not identify a suitable site), it would be progressed as part of the material submitted for the LDP independent examination.

H8: SITES FOR GYPSY AND TRAVELLER CARAVANS

New sites and extensions to existing sites will be permitted where:

i. Necessary physical, transport and social infrastructure are accessible or can be readily provided;

ii. Environmental factors including flood risk, ground stability, contaminated land and proximity of hazardous installations do not make the site inappropriate for residential development;

iii. The site is designed with reference to both the Welsh Government Good Practice Guide in Designing Gypsy Traveller Sites and the views of local Gypsies and Travellers;

iv. There would be no unreasonable impact on the character and appearance of the surrounding areas including impact on residential amenity of neighbouring occupiers or the operating conditions of existing businesses; and

v. In the case of a transit or touring site, it has good access to the primary highway network.

5.51 This Policy provides a framework for assessing proposals for both new and extensions to existing sites whether for permanent or transit sites.
5.52 Local authorities are required to assess the accommodation needs of Gypsy families (Housing Act 2004 S.225 & 226). PPW says that it is important for LDPs to have policies for the provision of sites. Welsh Government Circular 30/2007 indicates that where there is an assessment of unmet need for Gypsy and Traveller accommodation, sufficient sites should be allocated in the LDP to meet needs. A criteria based Policy for Gypsy and Traveller sites must also be included in order to meet future need.

5.53 Cardiff currently has two Gypsy and Traveller sites, at Rover Way and Shirenewton, providing a total of 80 permanent pitches. To date these two sites have accommodated natural population growth, with some overcrowding. Policy H7 allocates land specifically for the provision of Gypsy and Travellers but this policy provides further scope for considering any additional proposals which may arise over the plan period.
2. ECONOMY

**EC1: EXISTING EMPLOYMENT LAND**

The city’s existing employment areas outside of the Central and Bay Business Areas (as designated on the Proposals Map) will be protected for B Use Class employment generating uses (together with appropriate ancillary and/or complementary uses and activities as referred to in Policy EC2) as described in the table below.

<table>
<thead>
<tr>
<th>Site Ref.</th>
<th>Site Name</th>
<th>Primary Use/Activity</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC1.1</td>
<td>Ocean Park</td>
<td>B1, B2, B8</td>
<td>Primary</td>
</tr>
<tr>
<td>EC1.2</td>
<td>Cardiff Port (&amp; Heliport and Surrounds)</td>
<td>B1, B2, B8</td>
<td>Primary (Port related activities)</td>
</tr>
<tr>
<td>EC1.3</td>
<td>Rover Way (Celsa Steel Works, Tremorfa Industrial Estate, Seawall Rd)</td>
<td>B2, B8</td>
<td>Primary</td>
</tr>
<tr>
<td>EC1.4</td>
<td>Wentloog Road (Capital Business Park, Lamby Way Industrial estate, Wentloog Corporate Park, Rail freight terminal)</td>
<td>B1, B2, B8</td>
<td>Primary</td>
</tr>
<tr>
<td>EC1.5</td>
<td>St Mellons Business Park</td>
<td>B1, B2, B8</td>
<td>Primary</td>
</tr>
<tr>
<td>EC1.6</td>
<td>Cardiff Gate Business Park</td>
<td>B1 (offices), ancillary B2</td>
<td>Primary</td>
</tr>
<tr>
<td>EC1.7</td>
<td>Cardiff Business Park &amp; Land North of Maes y Coed Rd, Llanishen</td>
<td>B1, B2, B8</td>
<td>Primary</td>
</tr>
<tr>
<td>EC1.8</td>
<td>Forest Farm, Longwood Drive</td>
<td>B1, B2, B8</td>
<td>Primary</td>
</tr>
<tr>
<td>EC1.9</td>
<td>Green Meadow Springs</td>
<td>B1 (offices)</td>
<td>Primary</td>
</tr>
<tr>
<td>EC1.10</td>
<td>Penarth Road Area (includes Hadfield Rd, Sloper Rd, Bessemer Rd)</td>
<td>B1, B2, B8</td>
<td>Primary</td>
</tr>
</tbody>
</table>
This Policy responds to the economic vision and objectives of the Plan to ensure a range and choice of employment land and premises are available across the city to assist economic competitiveness, encourage entrepreneurship, promote the growth of indigenous businesses of all types and size and attract inward investment.

A key role for the LDP is to ensure the provision of a portfolio of an appropriate range, quantity and quality of employment land and premises to meet the current and future needs of the city and the city’s workforce. One of the main strategies to achieve this aim is the protection of existing employment sites across the city.

One of the key recommendations of the GVA Grimley Report ‘Cardiff Employment Land and Commercial Review’ (2009) and Hardisty Jones Associates/Origin 3 Study ‘Cardiff Employment Land and Property Study’ (April 2012) was to introduce policies to protect nearly all of the remaining employment locations (or allocations...
that were made in the Local Plan) either because of the important economic role they currently play in the overall employment land portfolio for the city or because of the distribution of this land across the city.

5.57 A critical factor in Cardiff maintaining a supply of employment land will be the ability to protect land and premises for employment from being lost to alternative uses. There has been growing pressure over recent years for the development/redevelopment of employment land and premises for other uses (predominantly residential), whether still occupied or where current operations have ceased. Such development proposals can result in significant losses to the county’s stock of employment land and premises.

5.58 The loss of employment land can be incremental with the loss of one site setting the precedent for the loss of a series of others in a similar location, leading to a gradual erosion of an employment site. Sometimes alternative uses can also fragment a larger business area or sever links between employment uses in an area. Over time pressure for alternative uses result in a material aggregate loss of employment sites to the detriment of the local economy.

5.59 The employment sites identified in Policy EC1 display strong potential to continue playing an important economic role, whether this is to provide local employment on smaller sites within key neighbourhoods or whether the sites are more strategic in size, position and function.

5.60 Due to the time that has elapsed since the completion of the GVA Study, the employment sites identified for protection have been reviewed. Some sites have experienced further pressure for alternative uses with additional losses of employment land and their B use class employment function has been all but eroded. These sites, for example North and South of Newport Road and Colchester Avenue are therefore no longer identified for protection for employment purposes. Similarly Cathedral Road and offices adjacent to the River Taff which are characterised by low grade offices with a high level of vacancy are no longer identified for protection and a change of use to housing for example will be given consideration.

5.61 The protection of employment sites also allows for the modernisation and refurbishment of land and property and increasing density of development on site thereby making the most efficient use of land.
EC2: PROVISION OF COMPLEMENTARY FACILITIES FOR EMPLOYEES IN BUSINESS, INDUSTRIAL AND WAREHOUSING DEVELOPMENTS

Provision for open space, public realm, leisure, food and drink, and child-care facilities will be appropriate in office, industrial and warehousing developments, provided, the facility is of an appropriate scale and nature intended primarily to meet the needs of workers in the vicinity, therefore not attracting significant levels of visitor traffic into the area, or exacerbating existing traffic conditions.

5.62 This Policy seeks to enable the provision of appropriate complementary leisure, food and drink, and childcare facilities in existing and new office, industrial and warehousing areas and helps to deliver Plan objectives. Employees in such areas may require good access to a range of facilities, including food and drink, leisure/recreation and child-care. The absence of such facilities in an employment area can increase travel demand and make the areas less attractive to employers and employees.

5.63 In existing employment areas, change of use of existing premises will be considered for appropriate complementary facilities, including food and drink, leisure and child-care.

5.64 Where new employment areas are proposed, the need for such facilities should be considered as part of the overall development scheme.

5.65 In all cases, only facilities of an appropriate nature and scale to meet the needs of employees will be permitted. Appropriate leisure facilities may include fitness centres/clubs and indoor sports facilities. Provision for accessible open space or public realm improvements may also be appropriate.
EC3: ALTERNATIVE USE OF EMPLOYMENT LAND AND PREMISES

Development of business, industrial and warehousing land and premises for other uses will only be permitted if:

i. The land or premises are no longer well-located for business, industrial or warehousing use; or

ii. There is no need to retain the land or premises for business, industrial or warehousing use, having regard to the demand for such land and premises and the requirement to provide for a range and choice of sites available for such use; and

iii. There will be no unacceptable impact on the operating conditions of existing businesses.

5.66 This Policy provides criteria against which proposals for the change of use of business and industrial land and premises will be assessed. It will apply to existing, permitted and allocated business, industrial and warehousing land and premises and address:

- The need to retain a range and choice of well located sites and premises attractive to business, industry and warehousing;
- Making the best use of redundant land and premises for alternative employment purposes; and
- Where land and premises need to be retained because they are of local importance for employment opportunities.

5.67 Criteria for assessing whether land and premises remain well located for business, industrial and warehousing uses will include:

- Accessibility to the primary highway network, rail-freight facilities and the port;
- Accessibility by public transport; and
- Proximity to housing or other sensitive uses.

5.68 Provision might be made for conversion to alternative uses but only if there were compelling and exceptional circumstances, for example:

- Robust evidence that there is no realistic prospect of employment use on the site; and/or
- The property is physically unsuitable for employment use, even after adaption/ refurbishment or redevelopment.

5.69 The ‘robust evidence’ for assessing the need to retain land and premises for business, industrial and warehousing use include the following criteria:
• Whether and for how long land or premises have been vacant and actively marketed and the expressions of interest during this period;
• Whether the site offers particular benefits not generally available within the overall land bank;
• Whether the site is within an area of high unemployment and offers realistic prospects of use for appropriate employment purposes;
• Whether the relocation of existing occupiers to other suitable accommodation will be facilitated;
• Whether the proposed development would retain an element of industrial, office or warehousing floorspace; and
• Whether the proposed use needs to be accommodated on business, industrial or warehousing land (e.g. transport depots).

5.70 Where alternative use of land is considered appropriate, priority will be given to mixed-use development comprising employment, housing and community facilities or, where that is not feasible, housing. Other proposals will need to demonstrate why a mixed-use of housing and employment schemes cannot be achieved on the site.

5.71 It is also important to ensure that the introduction of residential or other uses into an industrial or warehousing area does not unduly restrict the operating conditions of remaining businesses.

5.72 Where employment land and premises are under development pressure from non-employment uses and it is considered that there still exists an opportunity to make a contribution towards longer term economic development and job retention and growth within an area, developers will be requested to make provision for an appropriate contribution towards bringing forwards compensatory employment opportunities elsewhere in the County in line with Policy KP7 Planning Obligations.

5.73 Where there is the potential to develop residential units on areas previously identified for commercial/industrial use, there needs to be an appropriate assessment for the presence of land contamination. The land contamination standards set for commercial/industrial use are not suitably protective for residential use and therefore unacceptable risks to the end users may be present which will require appropriate remediation.

5.74 Further guidance on the application of this Policy will be set out in the Protection of Employment Land and Premises for Business, Industry and Warehousing SPG.
EC4: PROTECTING OFFICES IN THE CENTRAL AND BAY BUSINESS AREAS

The alternative use of offices within the Central and Bay Business Areas will only be permitted where it can be demonstrated that there is no need to retain the site or premises for office use having regard to the demand for offices and the requirement to provide a range and choice of sites available for such use.

5.75 This Policy aims to ensure that office sites within the Central and Bay Business Areas identified on the Proposals Map, whether occupied, vacant, or with permission are protected from inappropriate changes of use. Any proposal involving the loss of offices will need to demonstrate that there is a sufficient range and choice of commercial office floorspace to meet the city’s office requirement up to 2026.

5.76 When considering proposals for the alternative use of office accommodation, the following issues will be considered:

- Whether, and for how long the premises have been vacant and actively marketed for office use;
- Whether the development of the site for appropriate uses will facilitate the relocation of existing office occupier/s to other suitable accommodation within the Central or Bay Business Area;
- Whether the proposed development would retain a significant element of office floorspace;
- Whether the proposed use is complementary to an employment use; and
- Whether the proposed development can demonstrate wider economic, social and regeneration benefits.

5.77 The Central and Bay Business Areas contain a wide range of office premises, including modern Grade A accommodation (e.g. Callaghan Square and Assembly Square); high-rise accommodation built in the 1960s and 1970s (e.g. Newport Road); office accommodation above commercial premises (e.g. St. Mary Street and Greyfriars Road); and converted historic villas in the north of the city centre (e.g. Park Place and Windsor Place). Over time, and as the needs of businesses change, premises can fail to meet modern occupier requirements. This has been evidenced recently with changes of use from offices to residential and hotel uses, resulting in a significant reduction in office vacancy levels within the city centre.

5.78 To ensure that Cardiff continues to attract and retain quality businesses, the City Centre must contain sufficient land for new office accommodation, as well as providing a range and choice of office premises for existing and future occupiers, including large Grade A offices, small and medium sized enterprises, incubator units and live-work premises. The Cardiff Central Enterprise Zone along with
other planned employment areas provides a range and choice of new business locations. Further information regarding the potential contribution of the Cardiff Central Enterprise Zone to the supply of new business premises for the city, as well as opportunities for other commercial and residential development, is contained in Supporting Document No. 4.

5.79 It is acknowledged that some office vacancy is necessary to allow for the turnover of businesses and the renovation of premises to meet modern business needs. However, long-term vacancy can have a damaging impact upon the vitality and viability of commercial centres. Office premises that, despite active marketing, have remained unoccupied for over two years will be considered more favourably for changes of use to other, appropriate uses.

5.80 Mixed-use redevelopment proposals that retain a significant element of commercial office floorspace, or those that do not result in any net loss in the level or quality of office accommodation within the City Centre, are likely to be more favourably considered.

5.81 Where proposals involve the loss of office accommodation, they will only be permitted where they do not harm, and are complementary to, the primary office role and function of the area and accord with other Plan policies. Such uses could include childcare facilities, training, tertiary education, residential development, commercial leisure and hotels.

**EC5: HOTEL DEVELOPMENT**

Proposals for hotel development will be permitted:

i. Within the Central and Bay Business Areas of the city centre;

ii. In appropriate locations for the conversion of suitable residential or commercial properties;

iii. At other locations within the urban area, if there is no need to preserve the site for its existing or allocated use, assessed against the relevant policies of the plan;

Subject to considerations of scale, location, design, amenity and transportation being acceptable.

5.82 This Policy favours hotel development at appropriate locations within the Central and Bay Business Areas.

5.83 The conversion of existing properties to hotels or guest houses contributes to the range of accommodation available for tourists and other visitors to the city. In assessing such proposals, ‘appropriate locations’ are likely to be on main roads.
into the city and close to tourist or business areas, and ‘suitable properties’ are likely to be larger houses and vacant low grade offices, able to accommodate parking requirements. In terms of both the proposed property and its location, importance will be attached to the need to safeguard amenity of residential areas. Proposals for the change of use of converted hotels in residential areas to uses other than residential or uses acceptable within a residential area will be resisted.

**EC6: NON-STRATEGIC EMPLOYMENT SITE**

*Land is allocated for university related research and development uses at Maindy Road, Cathays (3.3ha)*

5.84 This non-strategic site is considered acceptable for university related research and development uses given its close proximity to the existing Cardiff University campus. Dialogue with the University has indicated the merits of university related research and development uses for this site, which can assist in the long term development of Cardiff University and other academic institutions within the city together with wider economic benefits for the region.

5.85 The allocation of the site for university research and development uses supports the LDP vision and the economic objectives which seek to promote clusters of research & development expertise. It also supports policies KP1 and KP9 which promote the provision of range and choice of new employment sites for different types of employment. The site is directly adjacent to the existing Cardiff University and in an accessible location which reduces the need to travel, a key component of developing sustainable communities. The precise nature of research and development uses will be subject to further detailed work.
3. ENVIRONMENT

Countryside Protection

**EN1: COUNTRYSIDE PROTECTION**

There will be a presumption against development in the countryside, beyond the settlement boundaries identified on the Proposals Map, except where it can be justified for agricultural and forestry needs or it is essential for facilitating sustainable access to and enjoyment of the countryside including appropriate outdoor recreation and tourism uses.

Appropriate development in the countryside should be in harmony with, and not cause unacceptable harm to, the character and quality of the surrounding countryside and landscape demonstrating:

i. The need for the development to be located in the countryside;
ii. That alternative locations have been considered, where appropriate;
iii. That the need cannot be accommodated through the conversion, extension or demolition and replacement of an existing building;
iv. That farm diversification schemes are ancillary to, and do not prejudice, the operation of the existing business;
v. That the proposed development respects the character of the surrounding area and is of appropriate scale, and design including both soft and hard landscaping and access;
vi. That any new buildings are grouped and designed in harmony with existing buildings wherever possible and;
vii. Appropriate measures are in place to protect, maintain, manage or improve the features of the surrounding countryside and landscape.

5.86 The countryside in Cardiff is land located outside the settlement boundaries as identified on the LDP Proposals Map. Cardiff’s countryside is a valuable and finite resource which is under pressure from all kinds of development. The aim of this Policy is to ensure that development within the countryside is strictly controlled to protect and enhance Cardiff’s natural heritage and setting. It further seeks to manage and enhance this rich asset in order to maintain Cardiff’s unique distinctiveness whilst helping to mitigate against climate change and also aims to ensure that those uses that do not need to be located in the countryside will be resisted.
5.87 It should be read in conjunction with Policy KP3A and KP3B and aims to ensure that those uses that do not need to be located in the countryside will be resisted. Whilst KP3A provides strict controls in the Green Belt area for the reasons given, this policy provides further guidance on uses appropriate in the countryside as a whole.

5.88 Although farming and forestry comprise a relatively small part of Cardiff’s economy, the economic viability of the countryside around Cardiff remains crucial, with agriculture and forestry playing an important role in both the management and conservation of the countryside. As such, the Council will adopt a positive approach to supporting the rural economy. Development proposals relating to agriculture and forestry, including farm diversification, will be assessed against the above criteria, PPW (2012, Para 7.3.3) and TAN 6: Planning for Sustainable Rural Communities. Farm diversification schemes should remain linked to the existing farm business and maybe subject to planning obligations in accordance with TAN 6: Planning for Sustainable Rural Communities (2010 Para 3.7) and Policy KP7.

5.89 Close proximity to a large urban population brings many pressures to Cardiff’s countryside, including outdoor recreation. Whilst its importance for local recreational purposes and tourism is accepted, it is essential to ensure that both these uses, and any built development associated with them, do not cause unacceptable harm to the character and quality of the countryside. Small scale, low impact development associated with activities which need to be located in the countryside, or encourage access to and enjoyment of the countryside, may be acceptable subject to the tests set out above.

5.90 Planning permission is normally required for the use of land for keeping horses and for equestrian activities, unless they are kept as “livestock” or the land is used for “grazing. The keeping of horses in Cardiff is very widespread, so that land used for grazing, recreation and associated development such as stabling, ménages, fencing, lighting and car parking is already having a considerable impact on the character of Cardiff’s countryside. Whilst it is accepted that these horse related uses can only be accommodated in the countryside, not all locations within the countryside are necessarily appropriate. The overall impact of such proposals will be assessed against the criteria above.

5.91 Additionally there has been an increase in the number of applications for kennels and catteries. Applications for the siting of kennels and catteries outside the curtilage of a dwelling house i.e. in a separate field or paddock will also be subject to the tests set out above.

5.92 There is continuing pressure on the countryside in terms of residential development; however the LDP has identified sufficient land to meet the foreseeable residential need over the Plan period. As such, new residential development will not normally be permitted in the countryside unless it is justified
for agricultural or forestry purposes or other rural enterprises. In these instances, applicants should refer to PPW (2012, Para 4.6.8) and TAN 6: Planning for Sustainable Rural Communities (4.3 – 4.4).

**5.93** Any new development in the countryside should be designed and located to minimise their impact, usually within existing clusters of buildings or farm complexes and/or close to existing infrastructure and public transport. The use of outdoor space associated with development including hard and soft landscaping, means of access, car parking and the treatment of boundaries can all have a significant detrimental effect on the character and quality of the countryside and will therefore be strictly controlled. In these instances a Design and Access Statement will be required.

**5.94** Supplementary information may need to accompany planning applications, explaining how the proposal has considered and responded to criteria outlined in the Policy. Where relevant, information should also be submitted to show how the proposals respond to National Guidance, including TAN 6 Planning for Sustainable Rural Communities. Where appropriate, this information should also explain the reasons for locating the development in the countryside. Significant development proposals in the countryside will be expected to include a landscape assessment and landscaping scheme in accordance with Policy EN3.

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**EN2: CONVERSION, EXTENSION AND REPLACEMENT BUILDINGS IN THE COUNTRYSIDE**

There will be a presumption against conversion, extension and replacement of buildings in Cardiff’s countryside except where:

a. The proposed conversion is demonstrated to:

i. be structurally sound and capable of being made so without major alterations, reconstructing or extensions;

ii. be possible without materially changing the existing character of the building;

iii. Not give rise to a demand for additional buildings; and

iv. Be suitable for the proposed re-use.

With particular regard to the proposed conversion to residential use in addition to the above, control similar to that of new house building in the open countryside will be applied where:

v. the building is unsuitable for conversion without extensive alteration, rebuilding or extension or if

vi. the creation of a residential curtilage would have a harmful effect on the countryside.
b. The proposed extension is demonstrated to:

i. be the subordinate part of the existing building; and

ii. Respect the scale, character and design of the original part of the building within its countryside and landscape setting.

b. The proposed replacement building is demonstrated to:

i. Not result in any greater impact on the quality and character of the surrounding area in terms of its proposed scale and design, including any residential curtilage;

ii. Be on the footprint of the existing building unless relocation can be justified in terms of either being part of an existing group or improving the countryside or landscape setting; and

iii. Not replace any building of architectural, historic or visual merit.

All proposals should be of an appropriate scale and design and be at least as sympathetic in its setting as the existing building.

5.95 The aim of this Policy is to ensure that conversions, extensions and replacement of buildings in the countryside conserve the character and quality of Cardiff’s countryside and natural heritage value, without being unduly restrictive.

5.96 The Policy contributes towards Plan objectives and PPW (2012, Para 7.6.8) which supports the re-use and adaption of existing rural buildings to help meet the needs of commercial and industrial development, as well as for tourism sport and recreation. It further accords with PPW (2012, Para 7.6.9 and 7.6.10) which supports the inclusion of polices within the development plan which do not allow residential re-use which would have a harmful effect on the character of the countryside. Reference should also be made to KP3A with regard to the consideration of proposals in the Green Belt area.

5.97 The scale and design of some individual buildings is already having a detrimental effect on the character and quality of Cardiff’s countryside. Although small-scale extensions, conversions and replacement buildings may be acceptable, all development in the countryside will be strictly controlled to prevent unacceptable harm. Where permissions are granted, permitted development rights may also be removed.

5.98 With regard to conversions, it is recognised that many buildings have and continue to fall into disrepair meaning that they become unfit for the original purpose they were intended for. Whilst the re-use and adaptation of such buildings may prevent existing building stock from going to waste, a balance is required to protect the character and quality of the countryside. However, proposals for the conversion of rural buildings will only be permitted where they conform to the criteria set out
above and the other relevant policies of the Plan. In addition to this, any access, hard-standing, boundary treatment, landscaping or other external features associated with the proposals should not result in the loss of fields or have a detrimental impact on the character of the surrounding area.

5.99 In the case of proposed residential conversions, the applicant should demonstrate that they have made every effort to secure suitable business re-use and that the application is supported by a statement of the efforts they have made. The creation of new gardens and garden extensions will not normally be considered appropriate due to their individual and cumulative detrimental impact on the quality and character of the countryside and landscape.

5.100 Extensions to existing buildings will also be strictly controlled to limit their individual and cumulative impact. Proposals for extensions should ensure that the existing building remains the dominant form. In the case of buildings that have had previous extensions, the proposals should have regard to the scale and character of the original part of the building. The tendency to seek successive extensions to individual buildings will be resisted.

5.101 The demolition and replacement of buildings will generally only be permitted on the footprint of an existing building or relocated elsewhere on the site where their scale and design, including residential curtilage, does not result in any greater impact on the quality and character of the area. The replacement of non-residential buildings with dwellings will be resisted. In general, the re-use or adaptation of existing buildings will normally be favoured in preference to new development.
The Natural Environment

EN3: LANDSCAPE PROTECTION

Development will not be permitted that would cause unacceptable harm to the character and quality of the landscape and setting of the city, with particular priority given to protecting, managing and enhancing the character and quality of the following Special Landscape Areas:

i. St Fagans Lowlands and the Ely Valley;
ii. Garth Hill and Pentyrch Ridges;
iii. Fforest Fawr and Caerphilly Ridge;
iv. Wentloog Levels; and
v. Flat Holm.

5.102 The aim of this Policy is to ensure that those features of the landscape that contribute to its character, value, distinctiveness, sense of place, and quality, with particular priority given to SLAs (as identified on the Proposals Map) are protected from inappropriate development. It seeks to manage and enhance this rich asset in order to maintain Cardiff’s unique distinctiveness whilst helping to mitigate against climate change.

5.103 This Policy applies to the whole county, acknowledging that the urban area also contains features of landscape importance. When dealing with planning applications that affect Cardiff’s landscape, unacceptable harm will be assessed in relation to:

- The impact of the proposed development on key features of the landscape in terms of physical character, vegetation and habitats, land use and settlement patterns, visual character, historical character and cultural associations;
- The need for the proposed development in relation to its impact;
- The availability of alternative locations; and
- The ability to provide appropriate mitigation measures.

5.104 Wherever possible, development will be expected to maintain and strengthen positive attributes of the landscape and seek to mitigate or remove, rather than compound negative influences. Reference should also be made to KP3A with regard to the consideration of proposals in the Green Belt area.
5.105 The scale, location and design of development proposals should respect their landscape context. Where large scale development is proposed, or where development may impact significantly on the landscape character or key features of an area, a landscape assessment should be submitted with the planning application and, where appropriate, a landscaping scheme.

5.106 Where landscape assessments or landscaping schemes are required they should set out the impact of the development on key features of the landscape and how the design solution proposed addresses both its positive and negative attributes, using the LANDMAP approach (as described below). Design solutions should clearly demonstrate how the strategic landscape assessment and site appraisal have informed the detailed design and location of the development and planting proposals. Schemes should generally be implemented prior to all or part of the site coming into beneficial use. The management of landscape features of importance will also be encouraged.

5.107 TACP Consultants were appointed by the Council in September 2007 to undertake a review of the existing proposed Special Landscape Areas (SLAs) and Landscape Character Areas (LCAs) previously defined as Combined Aspect Areas, based on the original Landscape Study of Cardiff undertaken by Atlantic Consultants, using the LANDMAP methodology developed by the Countryside Council for Wales. In addition, the St Fagans Lowlands and Ely Valley proposed boundary took into account the detailed work undertaken by Wardell Armstrong in 2006.

5.108 The 2008 reviews used the updated LANDMAP information methodology system established in 2003 and as recognised in PPW. A key output from this exercise has been the preparation of supplementary advice on SLAs including evidence satisfying the selection and extent of candidate SLA areas with a description of key landscape characteristics and consideration of five discrete aspect topic layers: geological landscapes, landscape habitats, visual and sensory landscapes, historic landscapes and cultural landscapes based upon an all-Wales set of criteria.

5.109 SLAs are designated to protect areas that are considered to be important to the overall landscape of the County due to their visual and sensory, geological, cultural, historical and habitat landscapes. They are intrinsic to the overall character of the area and provide a living history of the evolution of the area’s landscape as well as a cultural backdrop and visual setting.

5.110 Development proposals within SLAs will be assessed against the same criteria as those set out above. However, greater weight will be given to landscape consideration within SLAs and to the special character and quality of the particular area. Development proposals will also be required to address any relevant key issues identified in the Review of Special Landscape Areas and Landscape Character Areas. In addition landscape assessments and schemes are more likely to be required to accompany applications for development in these areas.
5.111 Although, SLA designations will not unduly restrict acceptable development in the countryside, there will be a presumption against urban expansion or other development within SLAs that would cause unacceptable harm to the character and quality.

5.112 Quarries, for example, have been included within proposed designations because they reflect the underlying geology as well as the history of mining within the area and form a distinctive element of the areas, but settlements lying within SLAs have been excluded from the proposed designations. Development proposals within these settlements, or within close proximity to an SLA including allocations will need to have regard to their potential impact on the character and quality of the SLA.

**EN4: RIVER VALLEYS**

The Natural Heritage, character and other key features of Cardiff’s river corridors will be protected, promoted and enhanced, together with facilitating sustainable access and recreation.

5.113 The Policy provides a planning framework within which the Council can protect, promote and enhance the river corridors.

5.114 It will be used as a mechanism to implement the Council’s aims with regards to the river corridors. The Policy helps to deliver Plan objectives relating to social needs and natural environment together with according with PPW (Para 5.1, 5.4 and 5.5) which values the importance of the natural heritage of Wales including non-statutorily designated sites and seeks to conserve and enhance this heritage in ways which bring benefits to the local community.

5.115 Cardiff contains the four river corridors of the Taff, Ely, Rhymney and Nant Fawr. They make a unique contribution to the character and form of the city providing continuous green corridors between the Severn Estuary and the countryside beyond the urban edge. The watercourses and adjoining open spaces possess high recreational, biodiversity, historic, cultural and landscape value. Additionally, they are located close to local communities and offer excellent opportunities for off-road access routes that can provide part of the wider strategic recreational routes and everyday network of routes.

5.116 This Policy aims to protect and enhance the features of Cardiff’s river corridors, whilst also facilitating sustainable access and recreation opportunities.

5.117 The extent of Cardiff’s river corridors within the urban area are illustrated on the Proposals Map. They include the rivers together with adjoining open space and other predominantly open land that together form the strategically important
corridor of mixed open spaces that run through the heart of the urban area. The Policy also applies to the river corridors outside the urban area (as defined by the settlement boundaries). Such land is protected from inappropriate development through other Policies. However, this Policy will also apply and aims to ensure the strategic role played by the river corridors is continued from the urban area, through the surrounding countryside up to the County boundary. In this respect it is considered inappropriate to designate an arbitrary boundary to a notional river corridor running through farmland. Any proposals will be assessed to ensure the aims of this Policy are met and not prejudiced.

5.118 This Policy provides a planning framework within which the Council can protect, promote and enhance the river corridors. It will be used as a mechanism to implement the council’s aims with regards to the river corridors and will be used in conjunction with the River Valleys Initiative that was established in 2004/05 in order to develop a more joined up approach to the planning and management of Cardiff’s river valleys. The River Valleys Initiative brings together a wide range of organisations who have roles to undertake within the river valleys. One of the key outcomes of this process to date is an agreement to develop Action Plans for each of the three main river valleys. Action Plans have been prepared and are implemented, monitored and reviewed in partnership with a wide range of organisations, overseen by a steering group. There are River Corridor Action Plans for the Ely Valley, Taff Corridor and Rhymney Valley and Nant Fawr Corridor. Projects that implement the objectives set out in the Action Plans, and Cardiff’s Countryside Strategy are undertaken by a variety of organisations, individually and in partnership using funding from a range of sources, including the partnership programme with the Countryside Council for Wales, other Cardiff Council funding and planning obligations.

5.119 Proposals for development within the river corridors will be assessed against other relevant policies in the Plan. New development within, or adjacent to the river corridors may be required to contribute to projects which help to achieve the objectives set out in the River Corridor Action Plans. Where appropriate, planning obligations may be required in accordance with Policies relating to the provision of new infrastructure.

5.120 Progress on achieving this Policy will be monitored through the existing River Valley Action Plans process which can in turn inform the wider LDP monitoring.
Development proposals that would affect locally designated sites of nature conservation and geological importance should maintain or enhance the nature conservation and/or geological importance of the designation.

Where this is not the case and the need for the development outweighs the nature conservation importance of the site, it should be demonstrated that there is no satisfactory alternative location for the development which avoids nature conservation impacts, and compensation measures designed to ensure that there is no reduction in the overall nature conservation value of the area or feature.

The network of SSSIs/SACs/SPAs alone is not sufficient to maintain the biodiversity of Cardiff. It is therefore important to identify other locally designated wildlife sites such as Sites of Importance for Nature Conservation (SINC’s) and Local Nature Reserves (LNR’s). Cardiff currently has 177 SINC’s and 6 LNR’s.

Cardiff’s LNR’s are shown on the Proposals Map and SINC’s are illustrated in the Biodiversity SPG.

Geological and geomorphological sites of importance that do not merit notification as a SSSI may also be designated as a SINC or Regionally Important Geological Site (RIGS). Such sites define the most important places for geology and geomorphology outside those that are statutorily protected. Geological sites within Cardiff will be designated during the Plan period. The aim of this Policy is to protect the LNRs, SINCs and RIGS referred to above.

The Policy will contribute to the protection and enhancement of Biodiversity interests in accordance with Policy EN6 and will work towards delivering the Plan’s objective of protecting and enhancing features of Cardiff’s natural environment and heritage.

The current SPG on Biodiversity covers the protection of non-statutory and locally designated sites. This document will be updated and made available as SPG to the LDP.

Chapter 5 of PPW and TAN 5 provide guidance on planning policies to protect biodiversity interests. In accordance with this guidance, the Council will carefully assess proposals for development affecting non-statutory and locally designated sites by evaluating whether:
the need for the proposed development is considered to outweigh the importance of the particular nature conservation interest and any harm likely to be caused to it;

- the proposed development can be more satisfactorily accommodated elsewhere; and

- appropriate mitigation or compensation measures are proposed.

5.127 Where development is proposed which may have an effect on a non-statutory or locally designated site, sufficient information will be required from all applicants to enable a full assessment of the proposals to be carried out. The need for such assessments will not be limited to development located within the designated areas as, depending on the nature of the development and the nature conservation interest, significant effects may occur even if the proposed development is located some distance from the conservation interest. The required assessments, including ecological surveys, will need to be undertaken at the appropriate time of the year, in accordance with the Council’s Biodiversity SPG.

5.128 Where planning permission is granted, it may be the subject of appropriate conditions or management agreements to ensure suitable protection, monitoring, mitigation or compensation and favourable management. Where compensatory provision is required, it should be of the same standard and size to that lost as a result of the development. In such cases, details of the type and level of provision will be provided, and agreed by the case officer, prior to determination of the planning application. This may also be required for outline planning applications where appropriate. Where necessary, planning obligations may be sought in accordance with Policy KP7.

5.129 Where the conservation interest cannot be protected by planning conditions or obligations, it may be necessary to refuse development proposals.

5.130 SINCs will be measured in accordance with the annual review of SINCs and additionally reported on in the LDP Annual Monitoring Report.
EN6: ECOLOGICAL NETWORKS AND FEATURES OF IMPORTANCE FOR BIODIVERSITY

Development will only be permitted if it does not cause unacceptable harm to:

i. Landscape features of importance for wild flora and fauna, including wildlife corridors and ‘stepping stones’ which enable the dispersal and functioning of protected and priority species;

ii. Networks of importance for landscape or nature conservation.

Particular priority will be given to the protection, enlargement, connectivity and management of the overall nature of semi natural habitats.

Where this is not the case and the need for the development outweighs the nature conservation importance of the site, it should be demonstrated that there is no satisfactory alternative location for the development and compensatory provision will be made of comparable ecological value to that lost as a result of the development.

5.131 This Policy aims to protect Cardiff’s ecological networks and landscape features that are important for biodiversity. It accords with Policy KP16 by protecting and enhancing Cardiff’s natural heritage, including its biodiversity. The Policy also contributes to the aims and objectives of the Plan by ensuring that Cardiff’s biodiversity and abundance of wildlife habitats and native species are protected and enhanced.

5.132 Wild species, whether legally protected or not, are often widely dispersed in the landscape, with significant populations being isolated from each other. In such cases, landscape features may provide wildlife corridors for some species, as well as links or ‘stepping-stones’ between habitats. Whilst it is crucial to maintain and enhance a network of sites to safeguard current levels of biodiversity, this cannot be achieved without also safeguarding and managing the intervening habitats and areas.

5.133 The protection, management and enhancement of ecological networks are identified as being particularly important in Article 10 of the EU Habitats Directive. Regulation 39(3) of The Conservation of Habitats and Species Regulations 2010 (as amended) requires planning authorities to encourage the positive management of landscape features which make up this network and are of importance for wild flora and fauna. This is also reinforced in PPW and the associated Companion Guide (2006) in that it advises LDP’s to safeguard and manage landscape features of major importance for nature conservation.
5.134 For the purposes of this Policy, features of the landscape which are of importance for wild flora and fauna are those, by virtue of their linear and continuous structure (such as rivers with their banks or the traditional systems of marking field boundaries) or their function as stepping stones (such as ponds or small woods), that are essential for the migration, dispersal and genetic exchange of wild species.

5.135 Where development is proposed which may cause unacceptable harm to such networks or features, information will be required of all applicants to enable a full assessment of the proposal to be carried out. Such assessments, including ecological surveys will need to be undertaken at the appropriate time of year, in accordance with the Council’s Biodiversity SPG.

5.136 If there are overriding material planning considerations in favour of development, then the Council will seek to secure reasonable measures from developers to minimise or offset any impacts or loss of habitat features or species present on a site. Such measures will be agreed prior to the commencement of development and will be secured through appropriate planning conditions and/or planning obligations. Planning Obligations will be secured in accordance with Policy KP7.

5.137 Where the ecological networks or landscape features of importance for biodiversity cannot be adequately protected by planning conditions or obligations, it may be necessary to refuse development proposals.

**EN7: PRIORITY HABITATS AND SPECIES**

Development proposals that would have a significant adverse affect on the continued viability of habitats and species identified as priorities in the UK or Local Biodiversity Action Plan will only be permitted where:

i. The need for development outweighs the nature conservation importance of the site;

ii. The developer demonstrates that there is no satisfactory alternative location for the development which avoids nature conservation impacts; and

iii. Effective mitigation measures are provided by the developer.

Where harm is unavoidable it should be minimised by effective mitigation to ensure that there is no reduction in the overall nature conservation value of the area. Where this is not possible, compensation measures designed to conserve, enhance, manage and, where appropriate, restore natural habitats and species should be provided.
5.138 This Policy is in accordance with the aims and objectives of the Plan by protecting and enhancing the features of Cardiff’s natural heritage, including its biodiversity and abundance of wildlife habitats and native species. More specifically, it will help protect the current Priority Habitats and Species as defined in the Local Biodiversity Action Plan 2008. The Policy also helps to deliver Policy KP16.

5.139 Development proposals that have the potential to cause a significant adverse affect on priority habitats and species will need to be accompanied by an ecological survey and an assessment of the likely impact of the development on the protected species. The need for such assessments will be undertaken at the appropriate time of year, in accordance with the Council’s Biodiversity SPG.

5.140 In considering any significant adverse affect on the Priority Habitat or Species, the Council will look at:

- The current distribution and status of the priority habitat or species within Cardiff as informed by the Cardiff Biological Database as well as other sources of data that may be relevant, accurate and practical to use for such purposes in the future;

- Whether the development proposals are likely to have a significant affect on the priority habitats/species; and

- Whether effective mitigation measures have been provided.

5.141 Where planning permission is granted, the Council may attach conditions or enter into agreements that would overcome the potentially damaging effects of development on the habitats or species of conservation importance. The Council will encourage the applicant to identify and include measures that contribute to the restoration or expansion of important habitats, and these will be set out in the landscaping and planting conditions that accompany the planning permission. Any planning obligations required will be in accordance with Policy KP7.

5.142 Where there is a significant adverse effect on a significant population of the Priority Habitat or Species and where planning conditions and/or planning obligations cannot adequately protect the interest, it may be necessary to refuse development proposals.

5.143 Priority Habitats and Species are monitored as part of the 3 yearly review of the UK and Local Biodiversity Action Plans.
Development will not be permitted that would cause unacceptable harm to trees, woodlands and hedgerows of significant public amenity, natural or cultural heritage value, or that contribute significantly to mitigating the effects of climate change.

5.144 The purpose of the Policy is to protect trees, woodlands and hedgerows with natural heritage or amenity value.

5.145 It responds to Plan objectives relating to the natural environment and climate change and accords with PPW which emphasises the protection and preservation of trees and woodlands against inappropriate development.

5.146 Trees, woodlands and hedgerows offer multiple benefits, including visual amenity, defining a sense of place, providing places for relaxation and recreation, habitats for wildlife, improved health and wellbeing and mitigating the effects of climate change. To maintain these benefits, the protection and enhancement of a sustainable urban forest is critical. A sustainable urban forest adapted to meet the challenges of climate change and exotic pest and disease outbreaks will contain a diverse age range and species mix of trees, though large, long-lived trees will be favoured for protection and planting due to the increased benefits they offer in mitigating the effects of climate change.

5.147 In order to determine unacceptable harm to trees, woodland and hedgerows within or bounding a site, applicants must assess them in accordance with the current British Standard 5837. The assessment must inform design, and in considering hedgerows, regard will be given to their landscape, historical and ecological value, as well as their function as boundaries. Further guidance and advice is also contained in SPG relating to Trees and development.

5.148 The value of trees, woodlands and hedgerows in sequestering carbon and mitigating the effects of climate change will be ascertained partly by the British Standard 5837 assessment, and partly by how effectively they are integrated into a sustainable urban forest as defined in paragraph 5.83.

5.149 To prevent damage to trees, woodlands and hedgerows during development, schemes of protection will normally be required, in accordance with the current British Standard 5837.

5.150 Trees are the largest and longest living organisms in Cardiff. When considering developments that may affect them, regard will be given to potential short and long-term impacts. Where trees are lost, new planting will be sought that is provided with sufficient usable soil volume, aeration and irrigation to ensure
healthy long-term growth. Although younger trees are more easily replaced, the Council will seek to ensure that sufficient young trees survive to maturity, having regard to the number of developments that may occur during their natural lifespan. Proposals that create spaces for larger tree species to grow to maturity will be favoured over proposals for scattered smaller trees.

5.151 Ancient woodlands are irreplaceable habitats of high biodiversity value which will be protected from development that would result in significant damage. Veteran trees and ancient hedgerows cannot be recreated and developments will be expected to retain them. Where appropriate, Tree Preservation Orders will be served to protect important amenity trees from removal or harm. The amenity value of trees will be assessed in accordance with government guidance and nationally recognised systems of amenity evaluation.

The Historic Environment

EN9: CONSERVATION OF THE HISTORIC ENVIRONMENT

Development relating to any of the heritage assets listed below (or their settings) will only be permitted where it can be demonstrated that it preserves or enhances that asset’s architectural quality, historic and cultural significance, character, integrity and/or setting.

i. Scheduled Ancient Monuments;
ii. Listed Buildings and their curtilage structures;
iii. Conservation Areas;
iv. Archaeologically Sensitive Areas;
v. Registered Historic Landscapes, Parks and Gardens; or
vi. Locally Listed Buildings of Merit and other historic features of interest that positively contribute to the distinctiveness of the city.

5.152 This Policy aims to set out the criteria against which proposals affecting Cardiff’s heritage assets will be assessed. Occasionally built heritage will be a constraint, the need for preservation outweighing the benefit of development. More often, a heritage asset will be an opportunity for retaining local identity through the repair and reuse of historic assets and strengthening this through respect for local characteristics of design, for the interpretation of hidden heritage assets, or for the enhancement of the characteristic natural environment. All new developments within historic areas should be designed in such a way as to preserve or enhance their special character.

Scheduled Ancient Monuments
5.153 PPW, Chapter 3 *Conserving the Historic Environment* and Circular 60/96: *Planning and the Historic Environment: Archaeology* set out clear statements of national development management policy for archaeological remains and should be referred to accordingly.

**Listed Buildings**

5.154 Once a building is listed (or is subject to a Building Preservation Notice) no work to the interior or exterior of the building, or to structures within its curtilage, that would affect the special architectural or historic interest of the building can be undertaken without Listed Building Consent. This can include work that would not require planning permission under the provisions of the Planning Acts.

5.155 Listed building control is subject to the provisions of the Planning (Listed Buildings & Conservation Areas) Act 1990. Advice is set out in Circular 61/96. There is no statutory requirement to have regard to the provisions of the development plan when considering an application for listed building consent. It is strongly recommended, however, that owners or developers seek early advice from the Council prior to undertaking any works or making an application for listed building consent.

5.156 Where Policy EN9 is particularly relevant is in the case of development that affects the setting of a listed building or in the consideration of an associated planning application for a change of use.

5.157 Listed building consent is not required if the development is beyond the curtilage of the listed building and only affects its setting. However, considerable damage can be done to the architectural or historic interest of the listed building if the development is insensitive in design, scale or positioning. The setting of a listed building is often an essential feature of its character. The setting may be limited to the immediate surroundings, but it can extend for a considerable distance. A proposed development might affect the gardens or parkland of a major house, the rural characteristics of a farmstead or the street setting of an urban building that forms an important visual element of that street. Policy EN9 requires that development proposals take full account of the setting of any listed building in the vicinity and that developers demonstrate that the setting will not be harmed.

5.158 In terms of associated planning applications for changes of use of a listed building, the Council will expect applicants to demonstrate how their proposals have been arrived at in the context of the PPW aim to identify the optimum viable use that is compatible with the character and setting of the listed building.

**Conservation Areas**

5.159 The adopted series of Conservation Area Appraisal (CAA) documents seek to provide a sound basis for managing development proposals and for progressing initiatives to preserve and enhance each conservation area, in line with advice
in PPW and Welsh Office Circular 61/96. The documents were adopted following extensive local consultation and provide a clear and agreed definition of those elements which contribute to the special character and historic interest of the area.

5.160 The findings of the CAAs need to be fully taken into account when considering development proposals. The design and access statement accompanying any application for planning permission should, where relevant, clearly set out how the development preserves or enhances the conservation area. In the assessment of planning applications, the Council will wherever feasible seek to enhance the special character of each area as defined and promoted by each adopted CAA.

5.161 It is recommended that owners or developers seek early advice from the Council prior to making an application for demolition or development within a conservation area.

5.162 The Council will continue to review its conservation area designations, boundaries and CAAs as required and against recognised national criteria in PPW and Circular 61/96, in addition to those characteristics identified within the approved Conservation Area Strategy (Sept 1997) to determine whether an area is of special interest.

Archaeologically Sensitive Areas

5.163 Four archaeologically sensitive areas have been identified in Cardiff. The purpose of this non-statutory designation is to assist those who are planning development in areas where there is a known archaeological resource or where it is likely that remains may be sensitive to development pressures. The adopted Archaeologically Sensitive Areas SPG provides further guidance and information.

Registered Historic Landscapes Parks and Gardens

5.164 The landscapes, parks and gardens on the register have no statutory protection, but they must be taken into account when development proposals are made that either affect them directly or that affect their setting.

Locally Listed Buildings of Merit and other historic features of interest

5.165 Many buildings, structures and archaeological remains that do not meet the very special criteria to merit scheduling or inclusion on the statutory list are nevertheless of value to the identity of the city for their contribution to local built character and/or social and historical associations.

5.166 Heritage and culture is an important social aspect and contributes to creating places where people want to live and work. Historic assets can create focal points and are useful in identifying the vernacular characteristics of an area that create distinctive places. Restoration and re-use is also a basic principle of developing
sustainably. Standing buildings represent an investment of material and embodied energy that should not be ignored. Their removal, disposal and subsequent site works require further energy and creates waste.

5.167 These assets may be noted within the Council’s list of buildings of local merit, embodied in the unscheduled archaeological record maintained by the Glamorgan Gwent Archaeological Trust or may yet to be registered or listed but still worthy of retention for their contribution to local character or identity.

5.168 While inclusion on the local list does not currently afford any additional statutory protection to the buildings, it is the intention of Policy EN9 to ensure that full consideration is given to the conservation and continued use of such buildings, as part of the protection and enhancement of the special identity of Cardiff.

Natural Resources

EN10: WATER SENSITIVE DESIGN

Development should apply water sensitive urban design solutions (the process of integrating water cycle management with the built environment through planning and urban design). To include the management of:

i. Water demand and supply;
ii. Waste water and pollution;
iii. Rainfall and runoff;
iv. Watercourses and water resource;
v. Flooding; and
vi. Water pathways.

5.169 Increasing pressures on urban drainage systems and challenges of water management highlight the need to redress the balance of the water cycle. Recent climate change studies have identified that Wales can expect more extreme weather events including an increase in the frequency of intense rainfall. Natural Resources Wales and Welsh Water support these findings.

5.170 There is a need for an approach where the whole urban water cycle is incorporated into a holistic system. Water sensitive design focuses on managing water locally and reducing demands on the strategic network.

5.171 Such examples of integrated water cycle management include Sustainable Urban Drainage Systems (SUDS); water recycling; and the holistic integration of surface water systems designed into the development layout, as well as into networks of green spaces applicable at a range of spatial scales, such as gardens, green roofs, streets, car parks and river corridors.
5.172 There is a need for all those involved in the water industry and built environment to work together to create a sustainable strategy for expanding the water ecosystem whilst providing opportunities for wildlife, adaptable landscapes, health and exercise. Implementation of this Policy, which is aimed in part at improving water resource use efficiency, will counteract increases in water demand arising from the implementation of other policies in the Plan, thereby avoiding likely significant effect upon the River Usk and River Wye SACs.

5.173 The benefits of a water sensitive urban design initiative are; reduction of flood risk; security of water supply; better watercourse health, more affordable water bills; improved health and well-being, celebration of environment, local character and community; delivery of green infrastructure and efficiencies; creation of attractive places and improved ecosystem health.

EN11: PROTECTION OF WATER RESOURCES

Development will not be permitted that would cause unacceptable harm to the quality or quantity of underground, surface or coastal waters.

5.174 This Policy expands on Policy KP18 and its purpose is to maintain and enhance the quality and quantity of water resources, including rivers, lakes, ponds and other water bodies, which are important for a wide range of uses and users. Poor and deteriorating water quality and compromised water quantity can affect the supply of water resources for industrial and domestic consumption, fisheries, amenity, recreation and nature conservation.

5.175 The EU Water Framework Directive (2000/60/EC) establishes a strategic approach to water management and a common means of protecting and setting environmental objectives for all ground waters and surface waters. It aims to protect and restore clean water and ensure its long-term sustainable use. PPW emphasises that planning controls should be used to prevent the location of incompatible land uses and development close to potential sources of pollution.

5.176 Development will only be allowed where provision is made for the necessary infrastructure to protect water quality and quantity. Planning permission may be granted subject to conditions to secure the necessary measures, or developers may be required to enter into planning obligations. Applications that cannot provide adequate protection of watercourses, ground and surface water will be refused. New development that:

- Poses an unacceptable risk to ground water or water courses;
- Poses an unacceptable risk to ground water pollution, depletion or obstruction; and
- Incorporates inappropriate measures to prevent pollution
will be refused planning permission, unless appropriate measures to prevent pollution can be incorporated into the development proposal.

5.177 Future development will be limited to areas where adequate water resources exist or they can be reasonably provided without adversely affecting existing abstractions, river flows, water quality, agriculture, fisheries, amenity or nature conservation and where provision coincides with the timing of development. Existing groundwater and river levels must be maintained, and water pollution must be avoided.

5.178 Natural Resources Wales is responsible for protecting and improving the water environment. The Council will consult NRW and Caldicot and Wentlooge Levels Internal Drainage Board, where necessary, on any proposal that is likely to affect the supply of water, the quality of water, or is likely to be affected by, or cause flooding. Levels of impact and risk will be assessed through consultation with these bodies.

5.179 Planning permission will not be granted for development that, in the opinion of the Council, following consultation with NRW and the Caldicot and Wentlooge Levels Internal Drainage Board, would adversely affect the quality, quantity or supply of surface water or groundwater as a result of:

- The nature of the surface or waste water discharge; or
- Unsatisfactory agreements for the disposal of foul sewerage, trade effluent or surface water; or
- The spillage or leakage of stored oil or chemicals.

5.180 Planning permission will not be granted for developments involving local abstraction of surface or ground water which, in the opinion of the Council, following consultation with Natural Resources Wales and the Caldicot and Wentlooge Levels Internal Drainage Board, would:

- Increase requirements for water, unless an adequate water supply already exists or would be provided in time to serve the development; or
- Pose an unacceptable risk to the current supply of water uses.

5.181 Developments that improve the quality of the water environment or help to prevent water pollution or flooding will be favoured. Implementation of this Policy, which is aimed in part at improving water resource use efficiency, will counteract increases in water demand arising from implementation of other policies in the Plan, thereby avoiding likely significant effect upon the River Usk and River Wye SACs.
Renewable Energy

5.182 The UK government has committed to sourcing 15% of its energy from renewable sources by 2020. Modelling undertaken on behalf of the Department for Energy and Climate Change (DECC) suggests that by 2020, this could mean that more than 30% of our electricity and 12% of our heat, may be generated from renewable sources. These targets are presented as the lead scenario, which relies on strong, co-ordinated efforts from several sectors including local authorities.

5.183 PPW enables Local Planning Authorities to assess strategic sites to identify opportunities to require higher sustainable building standards (including zero carbon) where requirements are demonstrated to be evidence-based and viable. Particular reference is made to opportunities for minimising carbon emissions associated with the heating, cooling and power systems. This includes utilising new or existing low and zero carbon energy supply systems (such as district heating systems), encouraging the development of new opportunities to supply proposed and existing development, and maximising opportunities to co-locate potential heat customers and suppliers.

5.184 In preparing the LDP, Cardiff Council has undertaken a Renewable Energy Assessment (REA). The REA aims to identify the potential energy capacity of renewable and low carbon technologies in the local authority area and consider the contribution these can make towards Cardiff’s future heat and electricity energy requirements. The REA was prepared in accordance with the Welsh Government Practice Guidance “Planning for Renewable and Low Carbon Energy – A Toolkit for Planners”. Findings within the REA suggest that by 2020 the percentage of Cardiff’s electricity and heat met by renewable energy sources is likely to be 24% and 6% respectively. Both of these figures are below the guide targets in the UK Renewable Energy Strategy.

5.185 The co-location of high density and mixed-use development can present significant opportunities for utilising renewable and low carbon technologies, including energy supply systems. Both major development sites and the identified strategic sites will form a large percentage of future development in Cardiff and are likely to play a significant role in Cardiff meeting its renewable energy potential identified in the REA. Major development sites are taken to be those of 100 dwellings and above, or, commercial developments of 1,000 square metres or more.
5.186 Developers are expected to submit an independent energy assessment investigating the financial viability and technical feasibility of incorporating such schemes. Statements should be submitted at the planning application stage to ensure that any viability assessment reflects technological developments and economic circumstances. Developers should refer to the REA and Preliminary Heat Opportunities Plan in undertaking their energy assessments to identify possible opportunities for renewable and low carbon technologies. In implementing this Policy it is expected that developers follow the energy hierarchy as advocated by national policy (TAN 12 & TAN 22).

5.187 PPW contains national policy relating to climate responsive development and specifies the current sustainable building standards in Wales[i]. Section 12.10.1 contains national development management policy in relation to planning applications for renewable and low carbon energy development and associated infrastructure. Accordingly, developers should refer to this Policy and TAN 22 - Planning for Sustainable Buildings’ for further guidance. Implementation of this Policy, which promotes incorporation of renewable energy generation, will also reduce emission of aerial pollutants, thereby offsetting increases in aerial emissions arising from implementation of other policies in the Plan. This would contribute to avoiding significant effects upon European Sites.

Pollution

**EN13: AIR, NOISE, LIGHT POLLUTION AND CONTAMINATED LAND**

Development will not be permitted where it would cause or result in unacceptable harm to health, local amenity, the character and quality of the countryside, or interests of nature conservation, landscape or built heritage importance because of air, noise, light pollution or the presence of unacceptable levels of land contamination.

5.188 The purposes of the Policy are to ensure that:

- Developments that would generate unacceptable levels of air, noise or light pollution are appropriately located and controlled;
- Incompatible land uses and development are not located close to potential sources of pollution; and
- Developments are suitable for the proposed end use and that any actual or potential land contamination can be overcome, thereby ensuring that there is no unacceptable harm to human health or the environment.

5.189 PPW emphasises that whilst planning controls should be used to control the above matters, they should not be used to control matters that are the proper concern of pollution control regimes.
5.190 Poor air quality can harm people’s health, quality of life and amenity, as well as nature conservation and built heritage interests. Poor air quality is a problem in certain areas of Cardiff. Current Air quality assessments have identified four areas of the County where statutory air quality standards are being exceeded. The Council has identified these as Air Quality Management Areas:

- Cardiff City Centre;
- Ely Bridge;
- Stephenson Court, Newport Road; and
- Cardiff Road, Llandaff.

5.191 These areas suffer from high levels of pollution caused by road traffic. As part of its statutory monitoring of air quality within the city the Council will annually review air quality and may revoke or declare additional Air Quality Management Areas as appropriate.

5.192 In determining planning applications, consideration will be given to a development’s likely effect in terms of air pollution it may cause directly, but also in terms of any increase or decrease in traffic it may generate. Where a development is likely to affect air quality significantly (i.e. where air quality standards are, or are likely to be breached or a new residential development gives rise to the need for a new Air Quality Management Area to be declared by introducing residents to areas where air quality standards are already being breached) then an application may be approved subject to conditions mitigating its impact on air quality, or refused where appropriate.

5.193 Noise can have a harmful impact on people’s health and quality of life. Developments such as housing, schools and hospitals can be particularly sensitive to noise, as can areas of landscape, nature or built heritage importance. Where possible, new developments that are particularly noise-sensitive should be located away from existing or proposed sources of significant noise. This assessment can be informed by information on noise complaints being collated by the Council as part of an on-going initiative to reduce noise nuisance.

5.194 Major transport routes (road, rail and air) and some industrial and commercial activities can generate particularly high noise levels. There is specific guidance within TAN 11 that specifies Noise Exposure Categories that assists with proposed residential development near transport related noise.

5.195 In addition to this, Welsh Government as part of their statutory duties under the Environmental Noise Directive has designated areas within Cardiff Noise Action Planning Priority Action Areas. The aim of the Directive is to define a common approach intended to avoid, prevent or reduce on a prioritised basis the harmful effects, including annoyance, due to exposure to environmental noise. The
Directive defines **environmental noise** as unwanted or harmful outdoor sound created by human activities, including noise emitted by means of transport, road traffic, rail traffic, air traffic, and from sites of industrial activity.

5.196 Under the Regulations, the Welsh Ministers had an obligation to make strategic noise maps for:

- **agglomerations** (large urban areas with populations of more than 100,000);
- **major roads** (those with more than three million vehicle passages per year); and
- **major railways** (those with more than 30,000 train passages per year).

5.197 The noise maps have been published by the Welsh Government.

5.198 Mitigating noise issues after they have arisen can be a lot more expensive than avoiding them in the first place. It is therefore desirable to seek interventions that bring multiple benefits, such as reducing people’s exposure to air pollutants, making buildings more energy-efficient, encouraging safer driving or improving the road surface for drivers and cyclists at the same time as decreasing noise levels.

5.199 A current list of Noise Action Planning Priority Areas is available on the Welsh Government website.

5.200 Special consideration is required where noise-generating development is proposed in or near special areas such as urban **quiet areas**, which are tranquil urban green spaces designated by the Welsh Government under the Environmental Noise Directive.

5.201 There are currently 6 quiet areas within Cardiff, namely:

- Heath Park;
- Park Cae Delyn;
- Roath Park;
- Roath Park Pleasure Garden;
- Roath Park Recreational Ground; and
- Thompson Park.

5.202 There are a further 6 candidate quiet areas in Cardiff which the Welsh Government are currently consulting upon, these are:

- Bute Park;
- Fairwater Park;
- Insole Court;
- Llanishen Park;
Splott Park; and
Victoria Park.

5.203 Quiet Areas have been designated as part of the implementation of the Environmental Noise Directive.

5.204 Necessary new development that would give rise to high noise levels, including proposed transport schemes, should be located and designed so as to minimise their noise impact. Where noise-sensitive development needs to be located close to transport infrastructure for access reasons, it should be designed to reduce noise impact. Where necessary, developers will be required to provide an assessment of noise impact, together with proposals for mitigation.

5.205 The provision of lighting can help prevent crime and the fear of crime, enhance safety and security, and facilitate some sport and recreational activities. However, it can also be intrusive, cause glare and have a harmful impact on natural and built heritage assets, the amenity of neighbouring land uses and traffic safety.

5.206 Where new lighting constitutes development (e.g. floodlighting) it is principally controlled through the planning system. Planning permission can be refused if the design of proposed lighting systems is not considered satisfactory in order to prevent light pollution. Where necessary, planning permission will be conditioned to ensure that the design and operation of lighting systems are satisfactory and/or to prevent light pollution.

5.207 As detailed in PPW, where significant contamination is likely to be present, the local planning authority will require evidence of a detailed investigation and risk assessment prior to the determination of the application to enable beneficial use of land. Where acceptable remedial measures can overcome such contamination, planning permission may be granted subject to conditions specifying the necessary measures. If contamination cannot be overcome satisfactorily, the authority may refuse planning permission.

5.208 The onus will remain with the developer to ensure that the development of the site will not result in designation as contaminated land under Part 2A of the Environmental Protection Act 1990, thus ensuring the land is suitable for its proposed use. Implementation of this Policy will reduce emission of air, water and ground pollutants, thereby offsetting increases in pollution arising from implementation of other policies in the Plan. This would contribute to avoiding significant effects upon European Sites.
Flood Risk

EN14: Flood Risk

Development will not be permitted:

i. Within tidal or fluvial flood plains unless existing or proposed flood prevention and/or protection measures are acceptable; or
ii. Where it would increase the risk of flooding; or
iii. Where it would hinder future maintenance or improvement schemes of flood defences and watercourses; or
iv. Where it would cause adverse effects on the integrity of tidal or fluvial defences; or
v. Where ground floor bedrooms are proposed in areas at high risk of flooding.

5.209 The purpose of this Policy is to avert development from where it would be at risk from river, ordinary watercourse, coastal, surface water flooding or where it would increase the risk of flooding or additional run off from development elsewhere.

5.210 The Policy will help deliver LDP objectives relating to flood risk and reflects advice set out in PPW and Technical Advice Note 15: Development and Flood Risk (July 2004).

5.211 Areas of Cardiff identified by Natural Resources Wales to be at risk from tidal or river flooding through surveys undertaken under Section 105(2) of the Water Resources Act 1991 are shown on the Constraints Map.

5.212 The Council is required to consult Natural Resources Wales and Caldicot and Wentloog Levels Internal Drainage Board on planning applications that have any flooding implications. It must have good reasons if it does not intend to follow Natural Resources Wales advice as it forms a material consideration.

5.213 The Flood and Water Management Act (FWMA) that was introduced in 2010, places a duty on Cardiff Council to prepare a Local Flood Risk Management Strategy (LFRMS) that sets out how the Council will proactively seek to minimise flood risk and prepare our communities.

5.214 Cardiff Council is now a Lead Local Flood Authority (LLFA) as defined by the new Flood and Water Management Act 2010. The FWMA aims to provide better, more comprehensive management of flood risk for people, homes and businesses. This role includes ensuring that flood risk from all sources is suitably managed and aims to promote an integrated approach to planning and managing all forms of flood risk.
5.215 Cardiff Council in general are opposed to the culverting of watercourses because of the adverse ecological, flood risk and other effects that are likely to arise. Culverting can exacerbate the risk of flooding and increase the maintenance requirements for a watercourse. It also destroys wildlife habitats, damages a natural amenity and interrupts the continuity of the linear habitat of a watercourse. It is recognised there are various reasons why in some instances landowners, developers and local authorities believe that open watercourses should be culverted. However, Cardiff Council considers any benefits are usually outweighed by the potential problems in managing the system, the loss of habitats and difficulty in pollution detection.

5.216 New developments will only be permitted where the Council is satisfied that they will not result in adverse affects on the quality and/or quantity of surface waters or groundwater resources. Where detailed information in respect of flood risk is not available, developers will be required to carry out a Flood Consequence Assessment (FCA) to evaluate the extent of risk and ensure that no unacceptable development occurs within the flood risk area identified.

5.217 Managing flooding is an important part of contributing towards achieving sustainability. Developers, wherever necessary and appropriate, are required to incorporate environmentally sympathetic mitigation measures into their proposals. This would include such measures as Sustainable Urban Drainage Systems (SUDS). SUDS are seen as a means to control surface water which provide a valuable amenity asset and new habitats for wildlife.

5.218 In general, development will be resisted in identified flood plains or areas at unacceptable risk from flooding or where third parties may be adversely affected by an increased flood risk. Proposals involving bedrooms on ground or lower floors in areas liable to flood will not be acceptable. Development will only be permitted if the risks and consequences can be demonstrated to be managed to an acceptable level in line with national planning policy, in particular the tests set out in TAN 15.

5.219 Further guidance on the application of this Policy will be set out in SPG.
4. TRANSPORT

T1: WALKING AND CYCLING

To enable people to access employment, essential services and community facilities by walking and cycling the Council will support developments which incorporate:

i. High quality, sustainable design which makes a positive contribution to the distinctiveness of communities and places;

ii. Permeable and legible networks of safe, convenient and attractive walking and cycling routes;

iii. Connections and extensions to the Cardiff Strategic Cycle Network and routes forming part of the Cardiff Walkable Neighbourhoods Plan;

iv. Measures to minimise vehicle speed and give priority to pedestrians and cyclists;

v. Safe, convenient and attractive walking and cycling connections to existing developments, neighbourhoods, jobs and services;

vi. Infrastructure designed in accordance with standards of good practice including the Council’s Cycling Design Guide;

vii. Supporting facilities including, signing, secure cycle parking and, where necessary, shower and changing facilities; and

viii. The provision of Car-Free Zones.

5.220 Research undertaken by Sustrans and Socialdata in 2011 revealed that a large proportion of car trips in Cardiff are relatively short: just over half are no further than 5 km and nearly a third are no further than 3km (under 2 miles). Many of these trips could be undertaken by foot or by bicycle.

5.221 The purpose of this Policy is to exploit this potential by favouring developments which include design features and facilities that make it easy for people to walk and cycle for everyday journeys instead of travelling by car. Encouraging ‘active travel’ will help to minimise car use and support the Council in fulfilling its legal duty under the (emerging) Active Travel (Wales) Bill to develop, improve and maintain local walking and cycling networks.

5.222 The Council has produced a plan for the development of the city’s Strategic Cycle Network known as ‘Enfys’. The plan defines a core network of numbered cycle routes connecting to different parts of Cardiff. The Council is building the Enfys cycle network through a rolling programme of infrastructure schemes. Developments brought forward through the LDP will provide the opportunity to extend and enhance the network through the provision of new links and incorporating sections of the network within development schemes.
5.223 The Council is also developing a Walkable Neighbourhoods Plan. This will set out a programme of area-based measures to improve the local walking environment and make it easier and safer for people to reach local services and facilities on foot. New developments will provide the opportunity to extend these improvements and provide walking connections which help to integrate new neighbourhoods with existing communities.

5.224 Car-Free Zones provide a particular opportunity which can help to successfully deliver this Policy. They could form part of wider development areas adding to the range and choice of available housing. Located in areas with good public transport and other sustainable transport options, together with good access to local facilities, such areas are likely to be attractive to many potential occupiers of all ages. In designing such Zones it will be important to ensure the needs of disabled people are taken into account.

5.225 The Policy will be implemented through the development process. In considering proposals, the Council will seek to ensure that developments give priority to walking and cycling within their design and layout. High quality design which makes a positive contribution to the distinctiveness of communities and places will be essential to make walking and cycling attractive and popular travel options.

5.226 The Policy will be a key consideration in the master planning of strategic sites and should be read in conjunction with the strategic site master planning general principles and those included within the schematic master planning frameworks for those sites. Provision of infrastructure will be secured through planning conditions, planning obligations and resourced through Community Infrastructure Levy and matching transport funding. Implementation of this Policy will help to reduce pollution arising from road traffic. This will counteract increases in atmospheric pollution as a result of the Plan, thereby avoiding significant effects upon internationally designated sites.
T2: STRATEGIC RAPID TRANSIT AND BUS CORRIDORS

To avoid car-based developments and maximise use of sustainable transport, infrastructure and associated services will be introduced to develop strategic rapid transport and bus corridor enhancements including:

**RAPID TRANSIT CORRIDORS**

i. North West Corridor;
ii. North Eastern Corridor;
iii. Eastern Corridor; and
iv. Southern Corridor.

**BUS CORRIDOR ENHANCEMENTS**

i. City Centre Bus Routes;
ii. Eastern Bus Corridor (A48 and A4161 Newport Road);
iii. Northern Bus Corridor (A470 North Road/ Manor Way and A469 Caerphilly Road); and
iv. Western Bus Corridor (A4161 Lansdowne Road, Cowbridge Road, A48, A4055 Cardiff Road; A4119 Llantristant Road).

Provision will be made to facilitate the functional integration of these corridors and associated services with the wider transport network including the bus network and local walking and cycling routes.

Improvements to the city’s wider bus network, including the provision of new infrastructure and the introduction of new routes and services will be supported where these are necessary to provide sustainable travel options and address the movement impacts of new development.

5.227 This Policy requires development to be served by effective public transport through the development of new rapid transit routes, key strategic bus corridors and improvements to the wider city bus network.

**Rapid Transit Corridors**

5.228 Rapid transit corridors will connect neighbourhoods to the city centre with high frequency services which will run along on-road and off-road infrastructure and offer shorter journey times than conventional bus services.

5.229 This Policy provides for the development of four principal rapid transit corridors that will serve the main LDP strategic sites. The form of rapid transit (heavy rail, light rail, tram train, bus rapid transit etc.) which can be accommodated on each
corridor will be determined through further technical assessment work and as part of the detailed master planning of the strategic sites. The Rapid Transit Corridors are shown on the Constraints Map with further detailed work informing the precise mode, alignments and land take requirements.

**Bus Corridor Enhancements**

5.230 The city’s key strategic bus corridors form a central element of the city’s strategic public transport network. Around 80% of daily inbound commuter journeys are by car. These movements create congestion on the city’s strategic highway network which makes bus journeys longer and services less reliable. This Policy seeks to address these issues by providing for improvements to maximise the efficiency and attractiveness of bus services on each of the city’s key bus corridors. Such measures will include provision of bus lanes (including timed bus lanes operating at peak times only), bus priority measures at key junctions and improved passenger waiting and information facilities. The Bus Corridors referred to in this policy are shown on the Constraints Map.

**Local Bus Network**

5.231 Ensuring the bus is a more attractive and practical travel option is crucial to reducing car dependency and improving accessibility. Cardiff has an extensive local bus network serving most parts of the city. However, the bus is not an attractive travel option for many journeys in Cardiff. For example, most routes on the network are radial and converge on the city centre. This means that people have to travel into the city centre in order to access bus services to another part of the city. Consequently, the car is the preferred mode of travel for many relatively short journeys. To address this problem this Policy supports the expansion and improvement of Cardiff’s local bus network, in conjunction with the development of rapid transit routes and the strategic bus corridors.

5.232 The alignments of the strategic rapid transit corridors, strategic bus corridors and other bus routes are likely to overlap in some locations offering the opportunity for interchange between services. Therefore, the Council will seek to ensure that the routes, services and supporting facilities which make up the rapid transit and bus networks are fully integrated in their design and operation.

5.233 Central to the delivery of this Policy will be detailed master plans for the LDP strategic sites and the provisions they make for public transport infrastructure and its phasing. Site master plans will be expected to meet the requirements of this Policy and be consistent with general master planning principles for strategic sites - both key considerations in planning applications on strategic sites. Provision of infrastructure will be secured through planning conditions, planning obligations and resourced through Community Infrastructure Levy and matching transport funding.
5.234 Implementation of this Policy will require the Council to exercise its statutory powers to carry out improvements to highway infrastructure. Measures will include provision of dedicated bus lanes and bus priority at key junctions. In some areas this will require on-street parking arrangements to be reviewed and modified. The location and nature of improvements will be informed by modelling and technical assessment work relating to specific corridors and Cardiff’s wider transport network, as well as the detailed assessment of travel impacts of individual development sites and planning applications. Infrastructure measures will generally be resourced through the Community Infrastructure Levy and matching transport funding. In most cases they will be implemented by the Council as the highway authority.

5.235 Implementation of this Policy will help to reduce pollution arising from road traffic. This will counteract increases in atmospheric pollution as a result of the Plan, thereby avoiding significant effects upon internationally designated sites.

T3: TRANSPORT INTERCHANGES

In order to facilitate the transfer between transport modes and help to minimise travel demand and reduce car dependency, the following developments will be supported:

i. New rail stations which can be easily accessed by walking, cycling and local bus services, facilitate rail park and ride, where appropriate, and meet the access needs of all users;

ii. Improvements to existing rail and bus interchanges, including measures to facilitate access by active travel modes and disabled people with particular access needs;

iii. Measures to support interchange between local bus services, including facilities to accommodate bus layover and driver facilities;

iv. Strategically located park and ride facilities, supported by attractive, frequent and reliable bus or rapid transit services;

v. High quality passenger facilities including but not limited to seating, information, toilet facilities and cycle parking;

vi. Facilities for park and share;

vii. Facilities for coach parking, taxis and passenger drop off;

viii. Facilities for overnight lorry parking and freight transfer; and

ix. Facilities for interchange with water-based transport.

5.236 Providing for interchange between transport modes is essential to the efficient functioning of the transport network and making sustainable travel options more practical and attractive. This is particularly important in relation to the public transport network. This Policy provides support for all forms of transport.
interchange that help meet these requirements and deliver the modal shift objectives of the LDP. It is important that these interchanges are accessible to disabled travellers and people with prams/young children.

5.237 Implementation of this Policy will help to reduce pollution arising from road traffic. This will counteract increases in atmospheric pollution as a result of the Plan, thereby avoiding significant effects upon internationally designated sites.

<table>
<thead>
<tr>
<th>T4: REGIONAL TRANSPORT HUB</th>
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<tbody>
<tr>
<td>Support will be given to the development of infrastructure and facilities in and around Cardiff Central Railway Station which:</td>
</tr>
<tr>
<td>i. Facilitate the easy interchange of passengers between national, regional and local rail and bus services;</td>
</tr>
<tr>
<td>ii. Provide high quality passenger facilities, including but not limited to seating, information, toilet facilities and cycle parking;</td>
</tr>
<tr>
<td>iii. Can be easily accessed by walking and cycling and meets the access needs of all users;</td>
</tr>
<tr>
<td>iv. Is well integrated with development in the surrounding area and facilitates easy access to the centre of the city, Cardiff Bay and the Enterprise Zone;</td>
</tr>
<tr>
<td>v. Complement the development and regeneration of land north and south of Central Railway Station and the wider Enterprise Zone;</td>
</tr>
<tr>
<td>vi. Provide a public transport gateway of a high aesthetic and functional quality, which is commensurate to Cardiff’s status as a European capital city; and</td>
</tr>
<tr>
<td>vii. Provides an attractive, legible and vibrant environment.</td>
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</tbody>
</table>

5.238 The development of a central public transport interchange focussed on land in and around Cardiff Central Railway Station and the Central Square area is a longstanding objective of the Council. Cardiff is located on the south Wales main railway line and forms the central hub of regional Valley Lines rail network – all scheduled for electrification by 2020.

5.239 The provision of a central public transport interchange to facilitate transfer between national, regional and local rail and bus services is essential for Cardiff to fulfil its role as a growing capital city and an employment and service centre for a major city region. It is also critical to achieving the transport connectivity required to sustain Cardiff’s economic competitiveness with other UK cities and city regions and maintain its attractiveness to business investors.

5.240 This Policy sets out the Council’s requirements with regard to the functionality and aesthetic quality of a central interchange and its integration with existing and future development within the Cardiff Central Enterprise Zone. The Policy will be
implemented through a process of master planning undertaken in collaboration between the Council, developers, transport providers, the public and key stakeholders.

**T5: MANAGING TRANSPORT IMPACTS**

Where necessary, safe and convenient provision will be sought in conjunction with development for:

i. Pedestrians, including people with prams and/or young children;
ii. Disabled people with mobility impairments and particular access needs;
iii. Cyclists;
iv. Powered two-wheelers;
v. Public transport;
vi. Vehicular access and traffic management within the site and its vicinity;
vii. Car parking and servicing;
viii. Coach parking; and
ix. Horse-riders.

**5.241** The purpose of this Policy is to ensure that all new developments for which planning permission is required:

i. Properly address the demand for travel and its impacts;
ii. Contribute to reducing reliance on the private car, in line with national planning policies and the strategic transport objectives and policies of the LDP;
iii. Make satisfactory provision for access, parking and circulation, particularly by pedestrians, cyclists, public transport users and disabled people with mobility impairments and particular access needs; and
iv. Avoid unacceptable harm to safe and efficient use and operation of the road, public transport and other movement networks and routes.

**5.242** Measures appropriate to a particular development will depend on its scale, location and use(s). They may include providing for and/or improving, as appropriate:

- The needs of disabled people with mobility impairments and particular access needs;
- The needs of people with prams and/or young children;
- Safe and convenient pedestrian access to and movement within the development, including pedestrian priority measures, lighting, security, and weather protection;
- Walking links to existing pedestrian routes and networks, District and Local centres, open space and other community facilities; (e.g. safe routes to
school) - for access and recreational purposes - and designed for use by everyone;
- The strategic recreational routes;
- Cycling links to existing cycle routes and networks, District and Local centres and community facilities designed for use by everyone;
- Secure cycle parking and changing facilities in accordance with guidelines set down in SPG;
- Management of conflict between modes of access, including vehicles, pedestrians and cyclists;
- Public transport, including bus stops, bus lanes and interchange facilities;
- Safe vehicular access to the site that does not unreasonably restrict the flow of traffic on the adjoining highway network;
- Traffic and speed management measures; and
- Car and coach parking and servicing facilities in accordance with revised guidelines set down in supplementary planning guidance.

5.243 Parking and servicing will be provided, where appropriate in accordance with the Council’s adopted standards (currently contained in the Access, Circulation & Parking Standards SPG, which is likely to be revised prior to the LDP examination).

User Hierarchy

5.244 In assessing the transport and access aspects of proposals the Council will be more likely to give favourable consideration to developments which through their design and layout give priority to movements by sustainable travel modes and reflect the user hierarchy in Department for Transport Manual for Streets, namely:
Consider First | Pedestrians  
---|---  
V | Cyclists  
V | Public Transport Users  
V | Specialist Service Vehicles (e.g. emergency services, waste etc.)  
Consider Last | Other motor traffic

**Sustainable Travel Choices**

5.245 Where necessary to mitigate travel impacts, development will need to be supported by actions designed to manage travel demand, minimise private car use and increase the proportion of journeys made by walking, cycling and public transport. Such measures will include although not be restricted to:

- Area based personalised travel planning projects and programmes;
- Travel Plans including measures to support sustainable travel to/from residential areas, workplaces, schools and other significant trip generators;
- Car Clubs and Car Share Schemes;
- Cycle Training; and
- Promotional/marketing initiatives and campaigns to encourage sustainable travel.

5.246 These will be secured by way of planning condition and/or a Section 106 planning obligation. Where necessary, planning agreements will secure resources for survey and monitoring activity required to support delivery of specific interventions.

5.247 Implementation of this Policy will help to reduce pollution arising from road traffic. This will counteract increases in atmospheric pollution as a result of the Plan, thereby avoiding significant effects upon internationally designated sites.
T6: IMPACT ON TRANSPORT NETWORKS AND SERVICES

Development will not be permitted which would cause unacceptable harm to the safe and efficient operation of the highway, public transport and other movement networks including pedestrian and cycle routes, public rights of way and bridle routes.

5.248 The purpose of this Policy is to protect the transport network and its users from developments which may otherwise cause unacceptable harm to the operation and use of key transport networks and routes.

T7: STRATEGIC TRANSPORTATION INFRASTRUCTURE

Support will be given to the development of the following elements of strategic transportation infrastructure:

i. Eastern Bay Link;
ii. St Mellons rail interchange including Park and Ride; and
iii. New sustainable transport corridor in North West Cardiff

5.249 This Policy provides support for three key elements of strategic transport infrastructure which are illustrated on the Constraints Map with further detailed work informing the precise land take requirements.

5.250 The Eastern Bay Link Road is a longstanding aspiration of the Council and is featured in the South East Wales Transport Alliance (Sewta) Regional Transport Plan (RTP). The road would complete a peripheral distributor road running between M4 Junction 33 in North West Cardiff and Llanederyn Interchange in the East of the city. It would provide additional capacity for road-based access to the Cardiff Central Enterprise Zone from the East and supporting development in that area. A scheme is currently being promoted and developed by the Welsh Government. Details of proposed works are not currently available so the Constraints Map indicates the extent of the Eastern Bay Link running from the Queensgate Roundabout to the A48, Eastern Avenue.

5.251 The proposal for a rail station at St Mellons is included in the Sewta RTP and Sewta rail Strategy (2013). The station would potentially serve the strategic development site south of St Mellons Business Park. It could also form part of a future South Wales Metro network including rail or rapid transit connections linking central Cardiff to strategic developments in and around Newport. Initial work to investigate the technical feasibility of a station at St Mellons is currently underway.
5.252 The strategic development sites proposed to the West of Pentrebane and North of the M4 junction 33 will require effective public transport connections. The potential exists to develop a dedicated public transport corridor connecting Cardiff city centre to the strategic sites in North West Cardiff and strategic development areas beyond Cardiff’s boundary in Rhondda Cynon Taff. Such a link can be incorporated within the master plans for the strategic sites and form an essential component of those developments. Its extension into growth areas within Rhondda Cynon Taff also makes the corridor strategically important within a regional context. As such it would form a key corridor within a future South Wales Metro network.

**T8: STRATEGIC RECREATIONAL ROUTES**

A strategic network of recreational routes will be maintained and developed to link Cardiff’s coast, river corridors, open spaces, countryside, and the regional network of routes, facilitating access to them by local communities, and forming an integral part of the wider cycling and walking network in Cardiff.

The core strategic network will comprise:

i. The Taff Trail;
ii. The Ely Trail;
iii. The Rhymney Trail;
iv. The Nant Fawr Trail;
v. The Bay Trail;
vi. The Wales Coast Path; and
vii. The Glamorgan Ridgeway Walk

5.253 This Policy sets out the Council’s desire to develop a network of recreational routes that will allow everyone in Cardiff to gain easy access to local green spaces, and the wider coast and countryside.

5.254 The Policy helps to deliver Plan objectives and also accords with PPW which seeks to promote provision of safe accessible, convenient and well-signed walking and cycling routes and to protect and enhance the national cycle network and long-distance routes and footpaths that are important tourism and recreation facilities, both in their own right and as a means of linking other attractions and local communities.

5.255 Wherever possible, the strategic network will make provision for access by walkers, cyclists and horse riders, (although access for all is limited by practicalities). The core strategic network will be linked to local communities and other routes, including permissive paths, public rights of way, and open spaces.
This will help to provide a range of routes and enable everyone to use and enjoy Cardiff’s natural heritage, whilst also linking Cardiff to the wider regional network. Local opportunities are important for both health and well-being and sustainability reasons.

5.256 The development of the coast and river corridor routes are particularly important for people living in the southern arc of Cardiff where the choice of open spaces, public rights of way network and access to the countryside is more limited. The development of a network of safe, convenient attractive routes through green spaces will also provide the opportunity for more people to use them as part of their everyday journeys - to school, work and local community facilities. Development of cross border routes into other authority areas together with within County routes contribute towards the city’s green tourism offer.

5.257 New developments including the proposed Strategic sites, adjacent to, the main strategic routes, public rights of way or other recreational routes will be expected to respect their existence and contribute to their development, or links to them where applicable.

5.258 The current extent of the existing core recreational strategic network are shown on the Constraints Map, proposals for development of these routes including creation of ‘missing’ links are shown on the Proposals Map. Where details of proposed new routes are not yet fully worked up and agreed with relevant parties, such as the Taff Ely Link, routes will not be shown on the Deposit Plan Maps but further work will continue to explore their future implementation.

5.259 The usage of routes will be monitored through cycle counter data where deployed together with wider feedback through the Cardiff River Valleys initiative.
5. RETAIL

R1: RETAIL PROVISION WITHIN STRATEGIC SITES

Retail development which forms part of the allocated housing led Strategic Sites will be supported, where:

i. It is of an appropriate scale which satisfies an identified local need;
ii. It is located along public transport corridors and easily accessible by walking and cycling; and
iii. It forms part of a planned centre which reinforces a sense of place.

5.260 It is recognised that there will be a need for retail provision close to where people live to meet the everyday needs of future large scale new communities. Such facilities often include a range of small shops, serving the local catchment including small supermarkets, newsagents and food and drink outlets. The provision of future local shopping within the housing development should not negatively impact on the vitality and viability of existing designated District or Local Centres. Planning applications should also demonstrate that this is the most appropriate location for local shopping provision, in relation to public transport and design layout.

R2: DEVELOPMENT IN THE CENTRAL SHOPPING AREA

Development proposals within the Central Shopping Area (CSA) will be assessed against the following criteria:

i. Whether the proposal involves the loss of shop uses (Class A1) from within Protected Shopping Frontages;
ii. Whether the proposal involves retail and other uses which enhance the vitality, viability and attractiveness of the city centre;
iii. Whether the development allows for, or retains the effective use of, upper floors; and
iv. Supports the regeneration, renewal and enhancement of the city centre.

5.261 The purpose of this Policy is to allow, monitor and manage the diversity of uses within the Central Shopping Area identified on the Proposals Map.

5.262 The Central Shopping is the head of the retail hierarchy for Cardiff and South East Wales. It offers a range and quality of shopping facilities unrivalled in the region, together with a diversity of complementary service, leisure, residential and business uses, within a compact and accessible area. Despite this, the area
is not invulnerable to trends in retail location and shifts in consumer demand and expenditure, including competition from out-of-centre locations and internet shopping. There is a continuing need to improve facilities within the Central Shopping Area in order to provide a quantity and quality of shops that will enhance its primary shopping role and character, and its vitality, attractiveness and viability.

5.263 An appropriate mix of non-shop uses can contribute to vitality, attractiveness and viability by introducing a diversity of compatible uses within the Central Shopping Area. However, too many can harm the primary shopping role and character of shopping streets by reducing their attractiveness to shoppers, undermining the viability of remaining shop units and reducing the prospect of attracting new retailers and retail investment.

**R3: PROTECTED SHOPPING FRONTAGES**

Development proposals involving the loss of Class A1 (shop) uses within Protected Shopping Frontages will be assessed against the following criteria:

i. The balance and distribution of existing and committed non-shop uses;
ii. The amount of A1 floorspace and frontage length being lost;
iii. Whether, and for how long, the premises have been vacant and actively marketed;
iv. The location, character and prominence of individual premises or frontages;
v. The nature of the proposed use, including whether an appropriate shop front and window display is to be provided; and
vi. The impact of the proposed use upon the amenity of adjacent or nearby residents.

5.264 This Policy provides an enhanced level of protection for the City Centre’s most important shopping streets. Supporting Document No.8 – City Centre Protected Frontage Assessment provides the methodology and analysis used to determine city centre Protected Shopping Frontages and further guidance will be set out in SPG.

5.265 Proposals will be assessed in terms of their impact cumulatively with other existing and committed non-shop uses. Where the application frontage is closely related to surrounding frontages (e.g. in narrow or pedestrianised streets or arcades) it will be appropriate to consider the proposal’s impact on both the application frontage and surrounding frontages.

5.266 The Policy allows for other uses (including A2 and A3) at appropriate locations within Protected Frontages, provided those uses do not, either alone or cumulatively with other non-shopping uses, undermine the primary shopping role
and character of those frontages or groups of frontages. This is intended to maintain the centre’s retail offer whilst providing complementary services during normal shopping hours, generating pedestrian flows and providing visually interesting and active frontages.

5.267 Like offices, it is acknowledged that an element of retail vacancy can be created by the natural turnover of businesses or through refurbishment. However, long-term vacant shop floorspace is a strong indicator of decline, adversely impacting upon perceptions of the high street to shoppers and investors. Proposals which seek to bring back into beneficial use retail premises which have remained vacant, despite active marketing, will be more favourably considered. Temporary or “meanwhile” uses can enliven city streets and provide short-term retail, business incubation or exhibition space, whilst reducing management and maintenance costs to landowners.

**R4: RETAIL DEVELOPMENT (OUT OF CENTRE)**

Retail development will only be permitted outside the Central Shopping Area, District and Local Centres identified on the Proposals Map if:

i. There is a need for the proposed floorspace (with precedence accorded to establishing quantitative need);

ii. That need cannot satisfactorily be accommodated within or adjacent to the Central Shopping Area, within a District or Local Centre;

iii. The proposal would not cause unacceptable harm to the vitality, attractiveness or viability of the Central Shopping Area, a District or Local centre or a proposal or strategy including the Community Strategy, for the protection or enhancement of these centres;

iv. The site is accessible by a choice of means of transport; and

v. The proposal is not on land allocated for other uses. This especially applies to land designated for employment and housing, where retail development can be shown to limit the range and quality of sites for such use.

5.268 This Policy identifies the criteria against which proposals for retail development outside the Central Shopping Area, District and Local Centres identified on the Proposals Map will be assessed in line with PPW ‘Planning for Retailing and Town Centres’.

5.269 This Policy relates to any proposals that introduce additional retail floorspace, including redevelopment, extensions (including mezzanine floors, where permission for this is required); subdivision; changes of Use Class and; variations
of planning conditions. The aim is to control the nature and size of out-of-centre retail development so as to minimise competition with, and impact on the vitality and viability of shopping centres identified in the Plan.

5.270 This Policy contributes to protecting and enhancing designated shopping centres and resisting out-of-centre retail development that could be harmful to District and Local shopping facilities. It supports sustainability objectives by encouraging the grouping of retail facilities together in easily accessible locations and reducing dependence on private transport for shopping trips and helps deliver the strategy by developing sustainable communities.

5.271 The sequential test aims to direct retail developments to existing centres wherever possible or to the edges of such centres if sites within the centres are not available. Only where need for additional retail floorspace has been demonstrated and there are no locations in or adjacent to designated centres that could accommodate that need, should out-of-centre locations be considered. In Cardiff the order of preference is:

- Within the Central Shopping Area;
- On the edge of the Central Shopping Area;
- Within a District or Local Centre;
- On the edge of a District or Local Centre;
- An out-of-centre location accessible by a choice of means of transport.

5.272 The sequential test applies to the level of need agreed between the applicant and the Council, not to the development format proposed by the applicant. Thus, a series of sites in different centres may accommodate an agreed retail need, though the proposal may be for a large scheme in a single location. The test is not satisfied because a retailer considers that a town centre site does not meet its operational requirements in principle. It must address whether the types of goods proposed could be accommodated in or on the edge of a designated centre.

5.273 PPW acknowledges that some types of retailing, for example selling bulky goods and requiring large showrooms, may not be able to find appropriate sites in town centres. Such stores should be grouped together at locations accessible by a choice of means of transport, encouraging linked trips and a reduction in dependence on car travel. Where bulky goods development is proposed and it passes the need and sequential tests, it will be directed towards existing concentrations of bulky goods retailers wherever possible. Similarly, re-use of vacant out-of-centre units at locations accessible by a choice of means of transport is preferable to new out-of-centre development. Where applications are made to reuse vacant units, applicants will be expected to demonstrate how they intend to improve the pedestrian environment and linkages.
5.274 Impact will be assessed in terms of both the direct commercial impact of a proposal on neighbouring designated centres and of the impact on the retail strategy itself. All proposals for out-of-centre development that satisfy the tests of retail need and the sequential approach must demonstrate that they would not harm designated shopping centres or the retail strategy, either in their own right, or in conjunction with other recent developments or unimplemented permissions.

5.275 Where permission is granted for out-of-centre retail development or, in some instances, edge-of-centre development, conditions will be attached to control the nature and scale of the retail activity and minimise any potential impact on designated centres or the retail strategy.

5.276 In addition, in line with Policy R8, Protection of Local Shopping Parades, consideration will also be given to the impact of out of centre retailing on local shops selling convenience goods in smaller shopping parades outside of designated centres.

5.277 Contributions will be negotiated from out of centre retail developments towards environmental improvement in the nearest District or Local Centre to mitigate adverse impacts, in line with the policy on Planning Obligations. Further details are provided in District and Local Centre Strategy.

5.278 The Council monitors the vitality, attractiveness and viability of designated centres. All applications for out-of-centre retailing will be expected to examine the health of centres, including shopping parades most likely to be affected and their likely impact.

5.279 Proposals for out-of-centre retail development are likely to require assessment against a range of other Policy considerations including traffic and transportation implications.
R5: DISTRICT CENTRES

Retail, office, leisure and community facilities will be favoured within the following District Centres identified on the Proposal Map:

- Albany Road/Wellfield Road
- City Road
- Clifton Street
- Cowbridge Road East
- Crwys Road/Woodville Road
- Bute Street/James Street
- Merthyr Road, Whitchurch
- Penarth Road/Clare Road
- St Mellons
- Thornhill
- Whitchurch Road

This will be subject to:

i. The proposal being of a scale appropriate to the particular centre;
ii. The location of business offices (Class B1) above the ground floor,
iii. Proposals for uses other than Class A1 being permitted at ground floor level if they would not cause unacceptable harm to the predominant shopping role and character of the centre, the vitality, attractiveness and viability of a specific frontage or group of frontages;
iv. Proposals not impeding the effective use of upper floors.

5.280 The aim of this Policy is to promote and protect the shopping role of District Centres while supporting a mix of appropriate uses.

5.281 PPW acknowledges that a range of uses as well as shops are appropriate within centres. These include financial and professional services (A2) and food and drink uses (A3). In general, proposals for such uses will be permitted where they would not cause unacceptable harm to the primary shopping function of the centre or the vitality, attractiveness or viability of its shopping frontages, by virtue of their number or location. What is deemed as unacceptable harm will depend upon the nature of each centre which will have its own individual characteristics.

5.282 The size and character of District Centres means that they are more likely to be able to satisfactorily accommodate a greater range and mix of non-retail uses including businesses offices and commercial leisure facilities.
5.283 Where a change of use from an A1 retail unit to a non-shopping use (use class other than A1) is proposed, the assessment in terms of unacceptable harm should take account of:

- The existing level and nature of non-shopping uses within the centre as a whole (This should also take into consideration the number of premises, and whether any have unimplemented planning consent for non-shopping uses);
- The size of the retail unit (frontage length and floorspace) in relation to the overall size of a centre or a specific group of frontages; and
- The distribution and proximity of non-shopping uses within a frontage.

5.284 It is important that non-shopping uses are dispersed as much as possible in order to limit harm to the shopping role and character of a centre. Proposals that result in, or add to a continuous stretch of non-shopping uses (3 or more units in non-shopping use) will be less favourably considered, as they will fragment the shopping frontage.

5.285 A high level of vacancy is often an indicator of poor retail performance, reduced levels of demand and/or investor confidence, and can be harmful to the vitality, attractiveness and viability of an area in the long-term. Applications for changes of use that involve new non-shopping uses in vacant premises will, therefore, be considered in light of the following:

- The vacancy rate in the surrounding area; and
- Whether, and for how long, the premises have remained vacant whilst being actively marketed for their existing or previous use.

5.286 This Policy will favour business class offices above ground floor level within District Centres. At ground floor level, only professional and financial (A2) offices with a shop front will be acceptable. B1 uses do not provide an active frontage or service to visiting members of the public.

5.287 The provision of residential accommodation at upper floors within centres can support their vitality, attractiveness and viability. However, it is recognised that District Centres cannot offer the same degree of amenity as purely residential areas. To enable opportunities for offices and other appropriate business uses at upper floors within District Centres, it may be necessary to allow the change of use of premises in residential use.

5.288 A District Centres Strategy has been prepared to raise the profile of District Centres within Cardiff and provide a framework and justification for the preparation of individual Action Plans for priority District Centres. This Strategy also acts as a reference point for co-ordinated working between service providers; a mechanism for attracting inward investment and securing funding for improvements within these designated centres.
R6: LOCAL CENTRES

Retail, office, leisure and community facilities will be favoured within the following Local Centres identified on the Proposal Map:

- Birchgrove
- Bute Street (Loudoun Square)
- Cathedral Road
- Countisbury Avenue
- Caerau Lane
- Fairwater Green
- Gabalfa Avenue
- Grand Avenue
- High Street, Llandaff
- Maelfa, Llanedeyrn
- Newport Road, Rumney
- Rhiwbina Village
- Salisbury Road
- Splott Road
- Station Road, Llanishen
- Station Road, Llandaff North
- Station Road, Radyr
- Tudor Street
- Willowbrook Drive
- Wilson Road

This will be subject to:

i. The proposal being of a scale appropriate to the particular centre;
ii. The retention of residential accommodation at upper floors;
iii. Proposals for uses other than Class A1 (except business offices class B1) being permitted at ground floor level if they would not cause unacceptable harm to the predominant shopping role and character of the centre, the vitality, attractiveness and viability of a specific frontage or group of frontages;

5.289 The aim of this Policy is to promote and protect the shopping role of Local centres while supporting a mix of appropriate uses

5.290 PPW acknowledges that a range of uses as well as shops are appropriate within centres. These include financial and professional services (A2) and food and drink uses (A3). In general, proposals for such uses will be permitted where they would not cause unacceptable harm to the primary shopping function of the centre
or the vitality, attractiveness or viability of it shopping frontages, by virtue of their number or location. What is deemed as unacceptable harm will depend upon the nature of each centre which will have its own individual characteristics.

5.291 Local Centres are generally smaller in size and variety of uses. Local Centres are generally more residential in nature than District Centres and do not have the scale or variety of retail and non-retail uses. As a consequence proposals other than A1 may be more difficult to satisfactorily accommodate than in District Centres. Within Local Centres, the Policy stance is to discourage significant office or commercial leisure developments and give greater emphasis to safeguarding residential amenity. At ground floor level, only professional and financial (A2) offices with a shop front will be acceptable, provided they do not cause unacceptable harm to the vitality, and viability of the centre. In relation to A3 uses more emphasis will be placed on closing times, and the type of premises.

5.292 Where a change of use from an A1 retail unit to a non-shopping use (use class other than A1) is proposed, the assessment in terms of unacceptable harm should take account of:

- The existing level and nature of non-shopping uses within the centre as a whole (This should also take into consideration the number of premises, and whether any have unimplemented planning consent for non-shopping uses);
- The size of the retail unit (frontage length and floorspace) in relation to the overall size of a centre or a specific group of frontages; and
- The distribution and proximity of non-shopping uses within a frontage.

5.293 It is important that non-shopping uses are dispersed as much as possible in order to limit harm to the shopping role and character of a centre. Proposals that result in, or add to a continuous stretch of non-shopping uses (3 or more units in non-shopping use) will be less favourably considered, as they will fragment the shopping frontage.

5.294 A high level of vacancy is often an indicator of poor retail performance, reduced levels of demand and/or investor confidence, and can be harmful to the vitality, attractiveness and viability of an area in the long-term. Applications for changes of use that involve new non-shopping uses in vacant premises will, therefore, be considered in light of the following:

- The vacancy rate in the surrounding area; and
- Whether, and for how long, the premises have remained vacant whilst being actively marketed for their existing or previous use.

5.295 Loss of residential units will generally be resisted at upper floors in Local Centres where the characteristics of the premises and their location remain suitable for residential use.
Further information on centre designations is contained in Supporting Document No. 7 – District and Local Centres.

### R7: FOOD AND DRINK USES

Food and Drink Uses are most appropriately located in:

i. **The City Centre (Central Business Area)**

ii. **The inner harbour/waterfront area of Cardiff Bay (Bay Business Area)**

iii. **District and Local Centres**

Subject to amenity considerations, highway matters, crime and fear of crime considerations, and where they do not cause unacceptable harm to the shopping role and character of designated centres.

Food and drink uses are unlikely to be acceptable within or adjacent to residential areas, where they would cause nuisance and loss of amenity, or result in the loss of a residential property.

Food and drink uses, including restaurants and hot food take-aways, are better located in designated centres where they can complement and enhance the existing shopping role, increase footfall and are accessible by public transport. Such uses are better located in designated centres than residential areas because of the impact they can have in terms of vehicular and pedestrian traffic, noise, fumes, litter, late night disturbance. The Central and Bay Business Areas, and District Centres are more likely to be able to satisfactorily accommodate A3 uses without causing unacceptable harm, due to their size and character. However, concentrations of such uses in centres can cause harm, either to residential amenity within or adjoining the centre, or to the predominant shopping role and character of the centre and its vitality, attractiveness and viability.

Food and drink uses are acceptable in principle, within the City Centre. It is recognised that such uses can contribute to the range and choice of facilities available to residents, promote the evening economy and may also support tourism. However, new A3 proposals at ground and upper floor level will need to be assessed against Policy R3. This Policy is intended to ensure that food and drink uses as well as other non-shopping uses, do not harm the shopping role, character and vitality of the City Centre.

Food and drink uses are also complementary, in principle, to the main shopping role of District and Local Centres, so long as they do not adversely affect the living environment of nearby residents, or with other non-shopping uses, reach such a level that they undermine the shopping character of the area in accordance with Policies R5 and R6.
5.300 Local Centres and smaller neighbourhood centres are generally more residential in nature, and do not have the scale or variety of retail and non-retail uses of larger centres. Therefore, A3 proposals may be more difficult to accommodate, and are less likely to be acceptable on amenity grounds (e.g. potential noise and disturbance, anti-social behaviour and litter associated with this type of development proposal). As a consequence more emphasis will be placed on protecting residential amenity within these centres through restricting closing times and the type of A3 premises.

5.301 Outside District and Local Centres and the Central and Bay Business Areas proposals for A3 uses are unlikely to be acceptable in, or adjacent to, predominantly residential areas because of their impact on residential amenity and potential to cause nuisance from noise and odour.

5.302 Food and drink proposals within existing employment areas will be considered against Policy EC2 Provision of complementary facilities for employees in business, industrial and warehousing development.

5.303 Proposals for A3 uses within 400 metres of a school will be considered against Policy C7 Health and the related Health SPG.

5.304 Further guidance on the application of this Policy will be set out the Food and Drink Uses in SPG.

R8: PROTECTION OF LOCAL SHOPPING PARADES

Proposals that would lead to the loss of local shops outside of identified centres will be assessed having regard to the role of those shops in meeting local shopping needs and the viability of the premises for continued retail use.

5.305 In addition to the District and Local Centres identified on the Proposals Map there are numerous smaller local shopping parades across the County. Although these have a smaller more limited retail offer, they provide easily accessible valuable shopping provision to surrounding communities.

5.306 For the purpose of this Policy the definition of a local parade is a cluster of 3 or more A1 retail units (i.e. newsagents, convenience store, off-licence) with supporting A2, A3, or D1 uses that function as a group of units capable of serving the needs of the local resident catchment population.

5.307 In such areas the Policy will seek to protect and retain local convenience shops, because of the importance of these uses for meeting the everyday needs of those living locally. Proposals for development within such areas must relate to the scale, role and function of the local shopping parade and will be determined on
individual merit. Individual ‘corner shops’, have an important role in areas which are relatively remote from other shops particularly convenience retail. This is especially important for residents who are less mobile or do not have access to private transport.

5.308 It should be noted that many shops within a local shopping parade are independently run and can therefore become vacant as a result of retirement by the proprietor rather than a fall in business sales or patronage.

5.309 In terms of assessing the viability of the premises for continued retail use, the applicant will need to provide evidence of active marketing if a retail unit is vacant, taking into consideration the fact that a recently vacated unit may have the potential to attract an A1 use.

5.310 The role and function of local shopping parades should be protected from out of centre retail development that could potentially harm their vitality and viability. Such schemes will need to be considered against Policy R4.
6. COMMUNITY

**C1: COMMUNITY FACILITIES**

Proposals for new and improved community facilities, health and religious facilities will be encouraged, subject to the following criteria being satisfied:

i. The facility would be readily accessible to the local community it is intended to serve by public transport, walking and cycling;

ii. The facility would not unduly prejudice the amenities of neighbouring and nearby residential occupiers;

iii. The facility would not detract from the character and appearance of a property or the locality;

iv. The facility will not lead to unacceptable parking or traffic problems;

v. The facility is designed with the greatest possible flexibility and adaptability to accommodate additional community uses without compromising its primary intended use.

5.311 For the purpose of this Policy, community facilities are defined as facilities used by local communities for leisure and social purposes; including community centres and meeting places, community halls, community learning, leisure centre, libraries and youth centres. Religious facilities also often provide for wider community provision.

5.312 If development occurs without consideration being given to the adequacy of existing community facilities, this can place a strain on existing facilities, to the detriment of the local community. As a result, there is a need to ensure that adequate local facilities are provided to meet the future demands of local communities.

5.313 The provision of community facilities should go hand in hand and be integrated with new development. Providing a range of community facilities that are accessible to as many people as possible is fundamental in terms of securing sustainable communities. Such facilities are valuable not only in terms of the amenity they provide, but are also important in generating employment and attracting people to live within an area. Whilst, it is recognised that there are many competing needs for the development and use of land the Council is committed to ensuring that there are adequate facilities to serve residents within new strategic housing allocations.
**5.314** New strategic housing developments allocated in Policy KP2 will be required to ensure that sufficient new community facilities are provided and integrated within the development to serve the needs of future and existing residents. This will be achieved through planning obligations or the community infrastructure levy as appropriate (see Policies KP6 and KP7).

**5.315** On all other significant residential developments, the Council will seek to enter into negotiations with prospective developers to secure land, buildings and or financial contributions towards community facilities arising from the needs of residential development. This is because the increased population will result in increased demand for local community facilities. Further guidance on this will be set out in SPG.

**5.316** Community facilities, health uses (including doctors and dental surgeries) and religious facilities will be favoured within District or Local Centres where appropriate, however, where such uses cannot be satisfactorily accommodated within centres, proposals on the edge of centres or within residential areas (to include the conversion or redevelopment of existing residential premises) will be favourably considered provided that issues of residential amenity, urban design (Policy KP5), and transportation are appropriately addressed. Furthermore, if the residential area falls within a Conservation Area, the proposed development should not detract from its character, nor should it have any negative impact on the built heritage assets (Policy KP17).
C2: COMMUNITY SAFETY/CREATING SAFE ENVIRONMENTS

All new development and redevelopment shall be designed to promote a safe and secure environment and minimise the opportunity for crime. In particular development shall:

i. Maximise natural surveillance of areas which may be vulnerable to crime such as publicly accessible spaces, open space, car parking areas and footpaths;

ii. Have well defined routes, spaces and entrances that provide convenient movement without compromising security;

iii. Maintain perceptible distinction between public and private spaces through well defined boundaries and defensible space;

iv. Provide a good standard of lighting to public spaces and routes while minimising energy use and light pollution; and

v. Be designed with management and maintenance in mind, to discourage crime in the present and future.

5.317 The aim of this Policy is to achieve a uniform and consistent standard of security through considerate design without compromising the character or attractiveness of the local area. Incorporating security considerations into the design of new developments and redevelopments will enable natural surveillance and create a sense of ownership and responsibility.

5.318 Designing out crime contributes to Policy KP5. Further, detailed information relating to the objectives of this Policy can be found in the Cardiff Community Safety Partnership’s guidance ‘As Safe as Houses – Crime and the Built Environment’ (May 2006).

5.319 The Council has responsibility under section 17 of the Crime and Disorder Act (1998) to take account of the need to deter and prevent crime in carrying out all its responsibilities, which include planning. Used sensitively, the planning system can be influential in producing active, well managed environments that help to discourage crime and disorder by encouraging developers to adopt designs for new development that take the security of people and property into account. Developments should be encouraged to incorporate the principles and practices of the ‘Secured by Design’ Award Scheme, and reflect both the safety of people and the security of property.

5.320 Any design solution or security measures should remain sensitive to local circumstances and their degree and application should reflect the characters and amenity of the area. There should be a balanced approach to design which attempts to reconcile the visual quality of a development with the needs of crime prevention. Developments can be made secure without resorting to razor wire,
grilles, bars, unsightly types of fencing and other visually intrusive security measures, if safety and security is considered at an early stage of the design process.

5.321 Prior to submitting detailed proposals, developers are encouraged to seek advice by engaging in pre-application discussions with the South Wales Police Architectural Liaison Officer (ALO) on designing out crime, and any recommendations received should be taken into consideration in relation to the development proposal. Where there are other significant interests (for example, the setting of Listed Buildings) a balanced compromise must be agreed. Developers are further encouraged to submit statements in conjunction with planning applications that emphasise and clearly demonstrate the proposed measures taken to design out crime.

5.322 In appropriate cases, where crime prevention or the fear of crime is considered material to a proposed development the Council may consider imposing community safety conditions or seek developer contributions via legal agreements for crime prevention through environmental design (CPTED), community safety initiatives, improved street lighting, alley gating, provision of CCTV, landscaping improvements or other necessary security measures. This is in accordance with Policy KP7.

5.323 Terrorist attacks within the UK have become a distinct possibility in recent years, posing a real and serious threat. Measures to mitigate against the occurrence and effects of terrorism attacks should be designed in from the outset of a development proposal. For example, through protection from flying glass and vehicle access controls to underground car parks and areas of potential high risk. These measures must be balanced with good design principles to ensure against the creation of a "fortress" appearance. It is recommended that where major development is proposed within a place defined by the Home Office as a "crowded place", the design statement accompanying the application should set out the measures undertaken to meet these principles. It is recommended that advice is sought from a Counter Terrorism Security Advisor during the design stage. (Refer to WECTU (Wales Extremism and Counter Terrorism Unit) for further advice).
C3: PROTECTION OF OPEN SPACE

Development will not be permitted on areas of open space unless:

i. It would not cause or exacerbate a deficiency of open space in accordance with the most recent open space study; and

ii. The open space has no significant functional or amenity value; and

iii. The open space is of no significant quality; or

iv. The developers make satisfactory compensatory provision; and, in all cases;

v. The open space has no significant nature or historic conservation importance.

5.324 The aim of this Policy is to protect open space that has significant functional, conservation, environmental or amenity value. It applies to all areas of open space within the County.

5.325 The Policy will help protect the current network of open spaces in Cardiff and work toward delivering Policy KP13 and LDP objectives related to maintaining and enhancing a network of green space and corridors.

5.326 The Policy is in accordance with the Wales Spatial Plan, PPW and Technical Advice Note 16: Sport Recreation and Open Space (2010) which requires that all types of open space are protected, particularly where it has a strategic countywide importance.

5.327 The various types of open space in Cardiff are listed and explained in detail in the Cardiff Open Space SPG. Open Space is also shown on the Constraints Map which accompanies the LDP. However, for the purposes of this Policy, functional green space includes land that can accommodate formal and / or informal recreational uses including sporting use and children’s play.

5.328 Proposals for development on areas of open space will be assessed against a functional green space requirement of 2.43 hectares per 1,000. This is explained in more detail under Policy C4.

5.329 In assessing the functional and amenity value of an area of open space, regard will also be given to whether it serves a purely local function or has more strategic countywide importance. Special protection will be afforded to open space that has strategic countywide importance whether for functional, amenity or wildlife purposes.

5.330 The quality of an area of open space will be assessed having regard to issues such as:
• Accessibility;
• Biodiversity;
• Facilities;
• Management and maintenance;
• Contribution to local amenity;
• Contribution to recreation; and
• Strategic value.

5.331 Where a development proposal involving the loss of open space would exacerbate a local or countywide deficiency of functional open space, **compensatory provision** for open space or alternative provision of equivalent community benefit may be acceptable. This is explained further in the Open Space SPG.

5.332 The appropriateness of compensatory open space or replacement facilities will be assessed having regard to the importance of the resource to be lost and the needs of the locality. Compensatory provision should:

- Contribute towards meeting the needs of the local community;
- Be of at least equal value to that being lost;
- Be reasonably related to the original site to serve the population affected by the loss;
- Be provided in accordance with the Open Space SPG; and
- Be agreed between the Council and the developer.

5.333 Corridors and networks of open space, like the river valleys, have strategic importance in terms of recreation, amenity and wildlife. The corridors of the rivers Ely, Taff, Rhymney and the Nant Fawr (identified on the Proposals Map) are a particularly important resource within both the urban and rural context, linking the waterfront and the urban area with the countryside. Specific protection of river valleys is set out in Policy EN4.

5.334 Many areas of open space have value for nature conservation. Some are designated for their international, national or local importance, while others contribute more generally to biodiversity. Some areas also have historic conservation importance. These include Historic Gardens and Parks, land within Conservation Areas and land that provides the setting for Ancient Monuments or other archaeological remains.

5.335 The implementation of policies designed to provide and protect public open space throughout Cardiff would also serve to offset any increase in recreational pressure on the Cardiff Beech Woods SAC, thereby helping to avoid the likelihood that this LDP will have a significant effect upon this site.
5.336 The protection of open space Policy will be assessed each year in the Annual Monitoring Report. The loss of open space is a Core Indicator required by Welsh Government and will be monitored on an annual basis, forming part of the Open Space Assessment.

**C4: PROVISION FOR OPEN SPACE, OUTDOOR RECREATION AND SPORT**

Provision for open space, outdoor recreation and sport will be sought in conjunction with all new residential developments. This policy is aimed at securing the provision or improvement of open space and other appropriate outdoor recreation and sport in conjunction with all new residential developments over 8 units and on site provision of functional open space in conjunction with all new residential developments over 14 units. The appropriate amount of multi functional green space is based on a minimum of 2.43 hectares of functional open space per 1,000 projected population. All other open space provision will be in addition to the provision of multi functional green space.

5.337 This Policy will help enhance the existing network of green spaces and provide increased opportunities for healthy recreation and leisure activities in line with LDP objectives for sustainable living. Improving the provision of open space is particularly important in some areas of South Cardiff where communities have poorer access to areas of open space.

5.338 Obtaining functional open space and appropriate provision for sport through the development process is provided for in PPW. It explains that Local Planning Authorities may be justified in seeking Section 106 Planning Agreements to contribute to the maintenance of safe and attractive facilities and open space, and to meet the needs of new communities.

5.339 This Policy applies to all new proposed housing developments, redevelopment schemes, conversions and mixed-use developments containing housing, sheltered housing and student accommodation over 8 units.

5.340 The Open Space SPG sets out detailed guidance on how the provision of functional open space, outdoor recreation and sport from new residential developments will be assessed and managed. It explains that the amount of open space provision generated by a housing proposal will be assessed in relation to its type and density. Consideration will also be given to the availability and adequacy of existing functional open space within the surrounding area. The Council will therefore seek to secure a range of improvements for accessible, high quality open space, sport and outdoor recreation provision, as appropriate to the particular site and development proposal.
5.341 These may include one or more of the following:

- Provision of as much necessary open space provision as possible, on site or on readily accessible sites;
- Contribution towards the improvement of existing open space facilities on readily accessible sites;
- Improvements to the network of recreational routes and open spaces; and
- Improvements to the public realm (in line with Policy KP5, High quality and sustainable design and improved public access to waterfront areas.

5.342 Due to the shortage of open space and recreation facilities in central and inner parts of the city and the limited opportunities for improvement, provision for open space and/or improving links with nearby open spaces may be sought on large-scale commercial developments in accordance with Policy KP7 on Planning Obligations.

5.343 As a general rule, provision of a satisfactory level and standard of open space will be sought on all new residential developments. For those developments of **14 or more dwellings** the amount of on-site open space provision is calculated from the projected population of the development and the application of the minimum standard of 2.43 hectares of functional open space per 1,000 population. However this standard will be applied flexibly in recognition that:

- In certain circumstances, provision of all-weather facilities can be more effective than traditional pitches;
- Changing trends in sport, recreation and leisure and the importance of providing outdoor and indoor facilities; and
- Achievement of provision in strict accordance with the standard can sometimes be impractical and/or inappropriate on previously developed sites.

5.344 Open spaces should be designed in line with Cardiff Open Space SPG guidelines to create a landscaped open space which fulfils its function with efficiency, can be maintained in a viable condition and contributes to the welfare and appearance of the environment. Functional open spaces can fulfil a number of roles including minimising vandalism, increasing privacy, providing wildlife habitats and minimising the intrusion of noise and air pollution.

5.345 The implementation of policies designed to provide and protect public open space throughout Cardiff would also serve to offset any increase in recreational pressure on the Cardiff Beech Woods SAC, thereby helping to avoid the likelihood that this LDP will have a significant effect upon this site.
C5: PROVISION FOR ALLOTMENTS AND COMMUNITY GROWING

Provision for allotments and/or community growing areas will be sought on new residential developments over 46 units and on all developments over 1800, provision of a 40 plot allotment site will be sought, increasing on a pro-rata basis for larger sites.

5.346 Where the provision of land for allotments is not possible, provision will be sought for land for community growing. This would include such uses as community spaces, community farms, communal gardens, orchards and community harvesting schemes.

5.347 The role of allotments and community growing areas in contributing towards sustainable communities, healthy living and improved interaction between different social and age groups is recognised in PPW and TAN 16: Open Space (2008). Further information is set out in the Cardiff Allotment Strategy and Open Space SPG.

5.348 Allotments and community growing areas play an important open space function particularly in urban areas and can help enhance biodiversity, provide opportunities for recreation and improve the quality of life.

5.349 Provision for allotments and community growing areas helps work towards delivering Plan Objectives and key policies.

5.350 For developments over 46 units, the Council will seek to secure financial contributions towards off-site provision of increased allotment or community growing space or improving and enhancing existing allotments or community growing areas.

5.351 For developments over 1800 units, the Council will seek to secure the provision of a new 40 plot allotment site, increasing on a pro-rata basis for developments over 1800 units. The developer would be required to provide and fence the land and provide a financial contribution to lay out the allotments site and all associated infrastructure. The Council would then subsequently adopt the allotments and provide for future management and maintenance, including the designation of the site as a statutory allotment area.

5.352 The required standard for allotment size and the calculation for off-site contributions towards allotments and community growing areas are covered in greater detail in the Open Space SPG.
C6: PROVISION FOR CHILDREN’S PLAY

Provision for children’s play should be an essential element of the layout of new developments. Access to at least three different types of outdoor play provision as indicated below shall be provided within 400m of family homes within new developments.

5.353 This Policy and the associated model for play provision seeks to ensure that the developmental needs of children to access varied play opportunities are properly provided for in new developments and do not rely exclusively on the provision of a limited number of fixed equipment play areas.

5.354 The inclusion of private gardens as a location for play will ensure that those developments that do not have access to private gardens will require a greater level of alternative provision for play, which could include child friendly streets and safe access to good quality open space as well as the provision of accessible playgrounds in accordance with Policy T1.
C7: HEALTH

Priority in new developments will be given to reducing health inequalities and encouraging healthy lifestyles through:

i. Identifying sites for new health facilities, reflecting the spatial distribution of need, ensuring they are accessible and have the potential to be shared by different service providers; and

ii. Ensuring that they provide a physical and built environment that supports interconnectivity, active travel choices, promotes healthy lifestyles and enhances road safety; and

iii. Managing the location of fast food takeaways to appropriate locations; and in all cases;

iv. Demonstrating that the effect of new developments on health is taken into account.

5.355 This Policy aims to improve the health of Cardiff’s population by seeking to secure new health facilities in areas most at need, requiring that the built environment fosters healthy lifestyles, managing the location of fast food takeaways and ensuring that health is a key consideration in new developments.

5.356 The Policy seeks to address health inequalities in Cardiff where the difference in life expectancy between some wards is up to 12 years (Welsh Index of Multiple Deprivation 2011). It gives greater detail on the Key Policy KP14 on Health and helps work towards delivering LDP objectives relating to health and one of the main strategic outcomes of the Cardiff Partnership Strategy ‘people in Cardiff are healthy’.

5.357 It accords with the aim of PPW in delivering sustainable development by ensuring that health is taken account of in new developments and assists a number of PPW objectives regarding travel and access to key community facilities. It also helps deliver a number of objectives regarding healthy lifestyles, sport and recreation in accordance with Our Healthy Future (Welsh Government 2009) and Fairer Health Outcomes for All (Welsh Government 2011).

5.358 This Policy reflects the fact that ‘health considerations can be material considerations in determining planning applications.’ (PPW 12.13.8) The effect of development on people’s health is a key element of sustainable development and its consideration will raise any significant issues which need to be taken into account.

5.359 It is recognised that not all new developments will be able to identify land for new health facilities. This largely depends on the scale of development and will be applied flexibly as a result. It is recommended that the local health board is
contacted for further advice on this matter. Relevant documents are ‘Together for Health’ (Welsh Government 2012) and ‘Setting the Direction Primary and Community Services Strategic Delivery Programme’ (Welsh Government 2010).

5.360 In order to support the aims of this Policy, it is recommended that the Welsh Health Impact Assessment Unit document ‘Health Impact Assessment: A Practical Guide’ (2012) is used in screening large planning applications to assess whether a Health Impact Assessment is required. It is recommended that all large developments including housing, health care, retail, waste and schools undertake a Health Impact Assessment.

5.361 For a description of appropriate locations to provide health facilities, see Policy C1 on Community Facilities. In addition, a number of other issues relating to the effect of new development on health including design, open space/community growing and transport are referred to in the respective policies.

5.362 Further details on this Policy will be set out in an SPG to accompany the LDP, regarding new or enhanced health facilities and on managing the location of fast food takeaways (see Policy R7), in particular when they are near a residential area or a school and when a Health Impact Assessment may be required.

C8: PLANNING FOR SCHOOLS

New and improved school facilities will be provided to meet existing and future educational needs.

5.363 The Council has a statutory duty as local education authority to ensure that there is a sufficient number and variety of school places at primary and secondary level, available to meet the needs of the population of the County.

5.364 Although the supply and demand for school places varies by area, it is anticipated that there will be no overall surplus school places at entry to the primary sector in 2015, nor in the secondary sector in 2019. This takes account of existing school investment proposals and projections based upon health service (GP) and school roll data. Additional primary and secondary education provision will therefore be required to serve the new pupils generated as a result of greenfield or brownfield housing developments that come forward during the Plan Period.

5.365 The Council will seek financial contributions (See Policy KP7 Planning Obligations), towards the cost of providing additional or improved primary and/or secondary school facilities from developers proposing housing developments that would generate a requirement for school places that cannot be reasonably met by existing schools because:
a. the capacity at the school(s) in whose catchment area(s) new housing developments are proposed would as a result of the development be exceeded by demand; and/or

b. there is a surplus capacity in such schools to accommodate some or all of the projected number of pupils generated from the proposed development but investment is required to make it suitable.

5.366 The Council will also seek the provision of land and/or premises, depending on scale and location of development. Please refer to Key Policy KP6 New Infrastructure and Supporting Document No. 6 Infrastructure Plan for detailed analysis.

5.367 It is recognised that the future additional pupils generated from strategic housing allocations (D-H) could not be accommodated in existing schools. The Council requests that developers set aside appropriate sites and provide school facilities in the initial phases of development aligned with the construction process, and additional forms of entry made available where necessary (210 primary school places plus nursery provision, 150 secondary school places plus sixth form provision) following completion of each 700 dwellings.

5.368 There will also be a need to address school provision in catchment areas where there is little or no existing capacity to accommodate the additional demand likely to arise from housing development on previously developed land (including strategic sites) or other in-fill sites. With limited exceptions financial contributions will be sought from developers towards the provision of new classroom accommodation, in accordance with the needs which arise from the proposed development.

5.369 In the event of the Council being allocated developer contributions to expand existing provision, the phasing of contributions over the period of construction will need to be in line with those set out in SPG, and will require careful consideration to ensure that the supply of school places is aligned with the construction process and occupancy of dwellings. Monitoring of take-up of school places will be a key consideration in order to inform existing and future needs.

5.370 Further guidance on the application of this Policy will be set out in SPG.
C9: NEW EDUCATIONAL FACILITIES

Development of nursery, primary, secondary and sixth form education should:

i. Be well designed, well related to neighbourhood services and amenities, and easily accessible by sustainable transport modes; and

ii. Include, where appropriate, provision for other appropriate community uses in addition to their educational use.

5.371 Opportunities should be taken to share school buildings and facilities, or co-locate on shared sites with other Council Service areas and selected external services. This would serve to maximise the use of the land and provide an integrated citizen focused resource for the whole community. Opportunities for shared facilities could include libraries, community centres, leisure centres, indoor recreation facilities, play centres, adult education facilities, integrated childcare facilities, adjoining natural habitat and health care facilities.

5.372 Dependant on geographical constraints, opportunities should be taken to explore shared school facilities/playing fields with other schools (e.g. a Primary and Secondary School sharing fields) or continuous ages 3-19 school provision.

5.373 Further guidance on the application of this Policy will be set out in SPG.

C10: HEALTH EMPLOYMENT NON STRATEGIC ALLOCATION

Land is allocated for health related uses at Government Offices, St Agnes Road, Heath (4.07ha)

5.374 The site provides a good opportunity to allow for the future expansion of health related uses associated with University Hospital Wales.

5.375 This non-strategic site was put forward as a candidate site in the LDP process and is considered acceptable for health related uses. Dialogue with the University and NHS Trust has indicated the merits of health-related uses for this site, which can assist the strategic provision of health-care in future years as the city continues to grow, placing further demands on the health service.

5.376 There are potential opportunities to develop the site for health related uses in direct conjunction with the existing hospital, offering the potential for comprehensive transport and access solutions.
The allocation of the site for health related uses supports the LDP vision and objectives on health and policies KP14 and C7 which promote the provision of health facilities in accessible locations. The site is directly adjacent to the existing University Hospital and in an accessible location which reduces the need to travel, a key component of developing sustainable communities. The precise nature of health related uses will be subject to further detailed work but could include health related employment and/or include an element of ancillary key health worker accommodation providing accessible accommodation and minimising travel to work distances.
7. MINERALS

M1: MINERAL LIMESTONE RESERVES AND RESOURCES

Mineral reserves with planning permission will be safeguarded from development that would prevent their extraction at:

i. Creigiau Quarry;

ii. Taffs Well Quarry;

iii. Ton Mawr Quarry; and

iv. Blaengwynlais Quarry.

Resource areas will be safeguarded from development that would prevent their extraction at:

i. Creigiau Quarry; and

ii. Ton Mawr Quarry.

5.378 The aim of this Policy is to protect identified mineral limestone reserves and resources from incompatible forms of development that could cause sterilisation and prevent them from being worked, so that they remain available for future generations.

5.379 This Policy expands on Policy KP11 and aims to protect existing mineral reserves and potential resources from development that would preclude their future extraction. It corresponds with guidance contained in Minerals Planning Policy Wales (2000) (MPPW), a key principle of which is to provide mineral resources to meet society’s needs and to safeguard resources from sterilisation.

5.380 Mineral reserves are sites with planning permission for mineral working. Cardiff has several mineral reserves, which are identified on the Proposals Map. These are limestone quarries which are active at present, or those which have planning permission for the working of limestone. Mineral resources are sites within the County considered suitable for the future working of limestone. Areas of mineral resource are identified on the Proposals Map. The methodology used to identify these areas is set out in Supporting Document No.9 - Minerals.

5.381 Permanent development on, or close to, mineral reserves or resources can mean that the minerals become sterilised or future extraction hindered. The identified reserves and resources will be protected from incompatible forms of development in order to prevent this. Incompatible forms of development include premature in-filling with waste or other material, and permanent building development. Policy
M4 on Minerals Buffer Zones further protects such areas by defining buffer zones around identified reserves and resources, within which neither mineral working nor housing and other similarly sensitive development will be permitted.

**M2: PREFERRED ORDER OF MINERAL RESOURCE RELEASE**

The extension or deepening of existing mineral workings will be favoured in preference to the release of new sites and deepening will be preferred to lateral extension, where it can be demonstrated that:

- i. There are no suitable alternative materials available;
- ii. Reserves in the existing site will be exhausted, at existing output levels, within 10 years;
- iii. Reserves in the extended or deepened site, in combination with those remaining in the existing site, do not provide, at existing output levels, for more than 20 years’ reserves; and
- iv. Such an approach will not cause unacceptable harm to the environment.

5.382 The extent of Cardiff’s existing minerals landbank means it is unlikely that there will be a need to grant any further permissions for mineral resource release within the Plan period. The purpose of this Policy is to set out the sequential test approach which would be used to guide the future release of mineral resources, should this be necessary.

5.383 This Policy expands on Policy KP11 and promotes and supports the efficient use of minerals. The Policy accords with guidance contained in MPPW which recognises that extensions to existing minerals workings are often more generally acceptable than new greenfield sites. Minerals Technical Advice Note (Wales) 1: Aggregates (2004) (MTAN1) indicates that a minimum 10 year landbank of crushed rock should be maintained throughout the entire Plan Period, but that new allocations in development plans will not be necessary where landbanks already provide for more than 20 years of aggregates extraction.

5.384 Generally, the continuation of quarrying at existing sites is preferable to the environmental and financial upheaval of shifting production to new sites. In addition, the deepening of sites is preferred to lateral extension as it minimises the area of land given over to working and ensures the best use of existing reserves. However, in determining the best option, consideration will need to be given to possible environmental and restoration implications.

5.385 The life of any reserves released will be restricted to enable new technology and new environmental expectations to be reflected, without compromising the ability of operators to amortise their investment in plant. In addition, reserves will not
be released prematurely to avoid sterilisation of land, and to ensure operators maximise the use of the existing site before moving into new areas. This will also help ensure the older site can be restored earlier.

5.386 In determining the best option, consideration will need to be given to the possible impact on the environment, natural heritage and built heritage.

M3: QUARRY CLOSURES AND EXTENSION LIMITS

Measures to prevent further mineral working and, where appropriate, to secure restoration and landscaping works at the earliest opportunity, will be sought at the following sites:

i. Cefn Garw Quarry, Tongwynlais;
ii. Highland Park Brickworks, Ely;
iii. West End Brickworks, Ely; and
iv. Southern and western parts of Creigiau Quarry.

No further extension to mineral reserves will be permitted at these sites, or at:

v. Blaengwynlais Quarry, Rhiwbina Hill.

5.387 The aim of this Policy is to introduce measures to prevent further extraction of minerals at the sites above, as shown on the Proposals Map, as mineral working is no longer considered appropriate at these locations.

5.388 This Policy expands on Policy KP11. It accords with guidance contained in MPPW, which states that inactive sites with planning permission for future working which are considered unlikely to be activated for the foreseeable future should be identified in the development plan and should be the subject of a suitable strategy.

5.389 The Policy identifies three mineral sites ((i) to (iii) above) and parts of Creigiau Quarry where mineral working is no longer considered appropriate by modern standards. Additionally, Blaengwynlais Quarry is considered unsuitable for extension in view of its sensitive location and poor access, so further extensions at this site will be resisted.

5.390 Cardiff contains several quarries for limestone or brick-earth that have not been worked for many years and in many cases have either re-vegetated naturally or have been put to alternative uses. For example, the part of Ely Brickworks within Cardiff has now been largely covered by the Ely Link Road. Despite long periods of disuse or alternative uses of some sites, planning permissions for mineral
extraction still exist and could be reactivated at these sites. The sites identified have been effectively abandoned by the minerals industry for many years. By today’s environmental standards, they are no longer suitable for mineral working and so are not needed for mineral purposes.

5.391 To eliminate any doubt over possible re-working at the sites outlined in (i) to (iv) above, measures to prevent further extraction and secure restoration and landscaping works will be pursued. Measures may include the use of Prohibition Orders to ensure that no further working can take place. No further extensions will be permitted, except at Creigiau Quarry, in line with Policy M1 on Mineral Limestone Reserves and Resources. Blaengwynlais Quarry is not considered appropriate for extension, and any applications will be determined accordingly.

5.392 Implementation of this Policy will have no effect on the County’s landbank of mineral reserves, which takes no account of these long dormant sites identified in (i) to (iii). The loss of reserves in the areas identified at Creigiau Quarry will be compensated by new mineral resources, identified on the Proposals Map.

**M4: MINERALS BUFFER ZONES**

Within the minerals buffer zones no mineral working, housing or other sensitive development will be permitted.

5.393 The aim of this Policy is to provide an explanation of the minerals buffer zones identified on the Proposals Map. The purpose of the buffer zones is to protect identified mineral reserves and resources from incompatible development which could sterilise them, and to reduce the environmental impact of quarrying by separating sensitive developments and mineral working.

5.394 This Policy expands on Policy KP11 and aims to protect existing mineral reserves and potential resources from development that would preclude their future extraction. Guidance contained in MPPW indicates that buffer zones should be defined in order to provide areas of protection around permitted and proposed mineral working. MTAN1: Aggregates indicates a minimum set distance for buffer zones of 200m, and that within buffer zones no new sensitive development or mineral extraction should be approved.

5.395 Buffer zones have been drawn around all minerals reserves (sites with planning permission for mineral working) and resources (sites identified as suitable for future mineral working) indicated on the Proposals Map. The purpose of buffer zones is to protect identified mineral reserves and resources from incompatible development which could sterilise them, and to ensure a separation distance between potentially conflicting land uses. The size of each buffer zone is
appropriate to the environmental impact of the quarry, particularly the effects of ground vibration from blasting operations. The methodology used to identify the buffer zones is set out in Supporting Document No. 9 - Minerals.

5.396 Sensitive development includes land uses most susceptible to adverse impact from quarrying, such as housing, schools and hospitals. These uses will be resisted within buffer zones. Some less sensitive development, where a lower standard of amenity could be tolerated, such as industrial land uses, offices and developments ancillary to the mineral working may be considered acceptable within buffer zones. Buffer zones also ensure that the environmental impact of quarrying on residents is minimised, particularly where mineral working and new residential developments are separated.

5.397 Since minerals can only be worked where they occur, this Policy will be afforded greater weight than policies favouring quarry-sensitive development that could be located elsewhere.

M5: RESTORATION AND AFTER - USE OF MINERAL WORKINGS

Proposals for mineral working or for related plant and buildings will be permitted only where firm proposals are included for the reinstatement of the site to a condition fit for an appropriate after-use supported, where relevant, by adequate after-care proposals. Appropriate reinstatement and after-care proposals will similarly be required when existing controls are reviewed. In drawing up restoration proposals, mineral operators will be encouraged to:

i. Undertake progressive restoration;
ii. Make beneficial use of mineral waste generated by mineral operations;
iii. Consider whether restoration can contribute to nature conservation targets set out in the Local Biodiversity Action Plan.
iv. New uses of former mineral workings other than those appropriate to a rural area will not be permitted without special justification. Proposals to carry out safety works at derelict or dormant sites will be favoured.

5.398 The aim of this Policy is to ensure that all proposals for mineral working or related development are accompanied by plans for restoration and suitable after-use of the site, or after-care where appropriate.

5.399 This Policy expands on Policy KP11. The Policy accords with objectives contained in MPPW and MTAN 1: Aggregates which aim to achieve a high standard of restoration and aftercare, and provide for beneficial after-uses when mineral working has ceased.
5.400 This Policy will be applied in order to avoid dereliction and uncertainty by requiring all applications for mineral working, including reviews of existing permissions, to be accompanied by effective proposals to ensure restoration and after-care of the site once mineral working finishes. This applies equally to ancillary plant and buildings and to secondary industry, whose presence is normally only justified by the existence of the mineral working site. It is essential to avoid dereliction and uncertainty once mineral working ends, and to ensure the site is left in a safe and usable condition and restored to a high standard suitable for its agreed after-use. Operators will generally be expected to agree the broad aims of the restoration scheme at the outset, to keep those aims under regular review throughout working and to implement the scheme forthwith. The choice of after-use will depend on many issues including the location, final landform, availability and quality of soils or other restoration materials, and neighbouring land uses.

5.401 Where restoration is to agricultural or amenity use, appropriate after-care proposals will be needed. A separate planning permission is likely to be required for any after-use except agriculture, forestry, nature conservation or certain forms of informal recreation which do not normally require planning permission.

5.402 Proposals for new quarries or major extensions will be expected to be accompanied by detailed soil and habitat surveys. Comprehensive programmes for the stripping and storage of topsoil, subsoil and conservation of other soil-making materials should form part of the initial restoration proposals, which will be expected to provide for phased and progressive restoration of worked out areas.

5.403 Restoration can provide opportunities for creating and enhancing sites for nature conservation and contributing to the targets in the UK Biodiversity Action Plan and Local Biodiversity Action Plan.
M6: DREDGED AGGREGATE LANDING AND DISTRIBUTION FACILITIES

The sand wharves shown on the Proposals Map will be protected against development which would prejudice their ability to land marine dredged sand and gravel. Proposals for the provision and improvement of landing and distribution facilities for marine dredged aggregates within Cardiff Docks will be favoured where there will be no unacceptable harm to the environment, nearby residential areas or future regeneration prospects of the waterfront area.

5.404 Marine sources currently supply the majority of fine aggregate construction needs for Cardiff. This Policy provides a framework for the protection of existing wharves and the assessment of applications for new or improved sand and gravel wharves and related facilities.

5.405 This Policy expands on Policy KP11. The Policy accords with guidance contained in Interim Marine Aggregates Dredging Policy (2004) which indicates that the use of marine dredged sand and gravel will continue for the foreseeable future where this remains consistent with the principles of sustainable development. It accords with the South Wales Regional Technical Statement for Minerals (2008) which requires the protection of existing and potential wharves.

5.406 Although marine dredging is outside the control of the Council, it is necessary to ensure that existing wharves are protected and that appropriate landing and distribution facilities are provided to ensure this important source of construction materials remains available. Without it, the County would have to accept greater demands on land-based sources and more costly imports.

5.407 In response to concerns about the long-term effects of dredging on coastal erosion, Interim Marine Aggregates Dredging Policy (2004) proposes a more cautious approach to dredging and seeks a more balanced approach to the sourcing of supplies for fine aggregates in South Wales. Although this may lead to long-term changes in supply patterns, in the short term the present pattern of supply is likely to continue, and it is therefore prudent to ensure that facilities which enable current levels of supply to be maintained are protected and new facilities favoured.

5.408 Operations involving the trans-shipment of minerals do not normally need specific planning permission within the operational area of the port. However, secondary processes including the manufacture or treatment of mineral products usually need permission. Where proposals are submitted they will need to demonstrate minimal impact on the environment and nearby residential areas, and that they will not prejudice any future regeneration proposals in the waterfront area of Cardiff Bay. Where proposals are likely to have significant effects upon the
environment, applications may be subject to Environmental Impact Assessment. Additionally, where proposals are likely to have a significant effect on an international site, an appropriate assessment of the proposal would be undertaken.

**M7: SAFEGUARDING OF SAND AND GRAVEL RESOURCE**

The sand and gravel safeguarding area shown on the Proposals Map will be protected against all forms of permanent development in order to prevent sterilisation of the resource and to ensure that the sand and gravel within that area will be preserved for the future, should a demonstrable need for the use of those resources arise.

5.409 The aim of this Policy is to ensure that the area of sand and gravel resource identified on the Proposals Map is protected from development that would cause its sterilisation and safeguarded for the future, should a need for the resource arise.

5.410 This Policy expands on Policy KP11 in that it protects potential resources from development. The Policy accords with guidance contained in MPPW which requires Mineral Planning Authorities to safeguard access to mineral deposits which society may need and cautions against continuing to rely on marine-dredged materials. MTAN1: Aggregates states that land-based sand and gravel resources must be safeguarded for potential use by future generations in view of their relatively limited regional availability.

5.411 At present, marine dredged sources provide the majority of fine aggregate required to meet construction needs within Cardiff. In the short term this supply pattern is unlikely to change significantly. In view of the existing pattern of dredged aggregate supply, it is very unlikely that sand and gravel resources will need to be released for development within the Plan period. However, in light of concerns regarding the sustainability of the current pattern of marine dredged aggregate supplies, it is necessary for land-based sand and gravel resources to be safeguarded for potential use in the future. This Policy will be used to resist all forms of permanent development in the sand and gravel resource area shown on the Proposals Map. Land-based sand and gravel could only be worked where it is found, so this Policy represents a long-term strategy to protect existing resources, as they could become a strategic resource in the future. This Policy will carry more weight than policies favouring development that could be located elsewhere.

5.412 The designation as a safeguarded area does not indicate an acceptance of sand and gravel working in that area.
M8: SAFEGUARDING OF COAL RESOURCES

The coal safeguarding area shown on the Proposals Map will be protected against all forms of permanent development in order to prevent sterilisation of the resource and to ensure that the coal within that area will be preserved for the future, should a demonstrable need for the use of those resources arise.

5.413 The aim of this Policy is to ensure that the areas of coal resource identified in the County are protected from development that would cause sterilisation and safeguarded for the future, should a need for the resources arise.

5.414 This Policy expands on Policy KP11 in that it protects potential resources from development. The Policy accords with MPPW which requires Mineral Planning Authorities to safeguard access to mineral deposits which society may need and MTAN2: Coal which requires the safeguarding of mineral resources.

5.415 Current energy supply does not necessitate the working of coal resources within Cardiff, and this situation is highly unlikely to change in the short term. Consequently, it is unlikely that it will be necessary to release coal resources for working to provide for energy needs in the Plan period. However, it is prudent to ensure that the coal resources identified are protected from sterilisation to maintain their potential for use in the future, should this become necessary.

5.416 All coal resources up to settlement boundaries are identified on the Proposals Map. Where safeguarded coal resources abut defined settlement boundaries, a 500m buffer has been shown. Although this buffer area includes safeguarded coal resources, it identifies the area of land within which future coal extraction will generally not be acceptable.

5.417 Coal could only be worked where it is found, so this Policy represents a long-term strategy to protect existing resources as they could become a strategic resource in the future. This Policy will carry more weight than policies favouring development that could be located elsewhere.

5.418 The designation as a safeguarded area does not indicate an acceptance of coal working in that area.
M9: SAFEGUARDING OF LIMESTONE RESOURCES

The limestone safeguarding area shown on the Proposals Map will be protected against all forms of permanent development in order to prevent sterilisation of the resource and to ensure that the limestone within that area will be preserved for the future, should a demonstrable need for the use of those resources arise.

5.419 The aim of this Policy is to ensure that the areas of limestone resource identified in the County are protected from development that would cause sterilisation and are safeguarded for the future, should a need for the resources arise.

5.420 This Policy expands on Policy KP11 in that it protects potential resources from development. The Policy accords with MPPW which requires Mineral Planning Authorities to safeguard access to mineral deposits which society may need.

5.421 Currently there is a sufficient landbank of limestone reserves in the County for the Plan period and, should the landbank not prove sufficient, the limestone resource areas identified in Policy M1 would be considered before any of the safeguarded areas shown on the Proposals Map. Given this, it will not be necessary to release any of the safeguarded areas for working to provide for aggregates needs over the Plan period. However, it is prudent to ensure that the limestone resources identified are protected from sterilisation to maintain their potential for use in the future, should this become necessary.

5.422 The designation as a safeguarded area does not indicate an acceptance of limestone working in that area.
8. WASTE

**W1: LAND FOR WASTE MANAGEMENT**

Land will be allocated for waste management purposes at Lamby Way as defined on the Proposals Map

5.423 The purpose of this Policy is to allocate an area of land at the existing waste management facility at Lamby Way to accommodate waste related development, so that the Council can continue to manage current waste arisings and can accommodate further facilities which will enable it to meet European and national targets.


5.425 Challenging targets set for recycling and composting, and the reduction of waste going to landfill, mean there is a need for further facilities which divert waste away from landfill and increase materials recovery, recycling and composting. The land allocated at Lamby Way, as shown on the Proposals Map, may prove an appropriate location for any new waste management facilities which may be required over the Plan period.

5.426 Completion of landfilling at the Lamby Way waste management site is likely to take place early in the Plan period. Upon completion of landfilling, the majority of the land will be utilised for public open space. However, waste management facilities may be retained on a permanent basis and will need to be integrated into the eventual after-use of the site.

5.427 The five local authorities who make up the Prosiect Gwyrrdd regional partnership have agreed that Viridor should be appointed the preferred bidder for a 25 year contract to deal with the residual waste of the region. Viridor’s solution is based on an energy from waste facility located at Trident Park. This facility is currently under construction and a permit to operate was granted by Natural Resources Wales in 2010.

5.428 The Regional Waste Plan 1st Review identified that Cardiff will need to provide a maximum of 20.9ha of land for waste management purposes. The identified sites will contribute towards this requirement.
W2: SITES FOR WASTE MANAGEMENT FACILITIES

Proposals for the development of waste management facilities will be permitted where:

i. There is a demonstrable need assessed against County and regional requirements;

ii. They conform with the principle of the waste hierarchy, the ‘proximity principle’ and the principle of regional self-sufficiency;

iii. They would not cause unacceptable harm to the environment, built heritage or to human health;

iv. They include acceptable proposals for restoration, aftercare and after-use, including the beneficial after-use of by-products;

v. They would not endanger aviation safety; and

vi. They include acceptable proposals for the protection of adjoining and nearby land from landfill gas and leachate migration or contamination.

Facilities for the handling, treatment and transfer of waste will generally be encouraged towards existing use class B2 general industrial land.

5.429 The purpose of this Policy is to provide a framework for the assessment of planning applications for waste management facilities.


5.431 It is anticipated that applications will come forward within the Plan period for new waste management facilities. Applications are likely to include waste disposal, processing, recycling and transfer of waste. The need for waste facilities will be assessed against the South East Wales Regional Waste Plan 1st Review (2008). The RWP estimates that, within Cardiff, a maximum of 20.9ha of land will be required for waste management facilities.

5.432 The ‘waste hierarchy’ advocates a sequential approach to waste management. At the top of the hierarchy is waste prevention, followed by reduction, re-use, then materials recovery (e.g. recycling and composting), then energy recovery (e.g. incineration to provide energy) and finally (i.e. least favoured) disposal (e.g. landfill or incineration without energy recovery). The ‘proximity principle’ requires waste to be disposed of as near to its place of production as possible, to reduce the amount of waste transported long distances, and to reflect the ‘polluter pays’ principle. ‘Regional self-sufficiency’ refers to the aim of minimising the amount of waste exported to other regions or countries.
5.433 Waste facilities will generally be encouraged towards existing general industrial areas (use class B2), unless it can be demonstrated that they could be acceptably located elsewhere, or unless assessment of the proposal indicates that more onerous locational standards should apply. The RWP contains Areas of Search maps for use in identifying potential new sites for in-building and open-air waste management/resource recovery facilities. Developers are encouraged to use the recommendations to assist in the identification of suitable sites. The first Review of the Regional Waste Plan endorsed by the Council in July 2008 identifies a range of potential sites for waste management purposes on vacant general industrial land.

5.434 In addition to the tests set out in the Policy, all proposals will be assessed against other relevant policies. Notably, they should not be located within an area at risk from flooding, cause unacceptable air, noise or light pollution, dust, vibration or odours, or attract excessive vermin. Proposals should also:

- Provide safe means of access to the highway and adequate on-site parking and turning facilities;
- Be accompanied by details of the type, quantity and source of waste; and
- Set out the proposed duration of the development.

5.435 Planning applications for waste management facilities should be accompanied by sufficient information to allow the environmental impact of the proposal to be adequately assessed. Such information should include the nature of the waste, the broad technical requirements arising from the type of waste, the amount of waste proposed to be treated or disposed of, access, the timescale of the operations and, where appropriate, restoration and after-use proposals. Where appropriate, proposals should be accompanied by a formal environmental assessment. In assessing such proposals, close consultation will be undertaken with Natural Resources Wales and conditions will be attached to any permissions and/or legal agreements sought to ensure adequate environmental safeguards and controls.

5.436 Further guidance on the application of the Policy will be set out in the Locating Waste Management Facilities SPG.
Where appropriate, provision will be sought in all new development for facilities for the storage, recycling and other management of waste.

5.437 The purpose of this Policy is to ensure that adequate provision is made for waste management facilities within new developments, in order to aid the Council in meeting the challenging waste recycling targets set by European and national targets.


5.439 Targets set out in Wise About Waste (2002) mean that the Council is required to be more proactive in managing waste. It is important that new development is designed to incorporate facilities for waste management to encourage waste reduction, recycling, composting and separation at source. This Policy will be used to ensure that adequate storage and collection facilities are provided in all appropriate new developments.

5.440 The general requirement for all developments will be to provide:

- On-site waste, recycling and composting, separation and storage facilities;
- Communal waste, recycling and composting, separation and storage facilities for larger developments;
- Access arrangements for refuse vehicles and personnel for collection purposes.

5.441 Facilities provided should be secure, unobtrusive and easily accessible. Further detailed guidance on matters such as the types of facilities required and their design will be set out in SPG.
Monitoring and Implementation
6.1 Monitoring the effect of planning policies is the principle way through which the effectiveness of implementing the LDP can be assessed. The monitoring process helps to positively identify key issues and questions such as:

- Which policies are being implemented successfully – i.e. their effectiveness in determining planning applications and in withstanding appeals.
- Whether policies are having their intended output.
- If policies are not working well, what actions are needed to address them?
- What changes to the evidence base has occurred or needs to take place?
- What gaps can be identified that should be addressed by the LDP?
- If an amendment of policies or complete review of the LDP is required.

6.2 The Council is required to submit an Annual Monitoring Report (AMR) to Welsh Government by 31st October each year following adoption of the LDP as set out in Section 37 of the Town and Country Planning (Local Development Plan) Regulations 2005 (the Regulations). Having a clear mechanism for the monitoring of the LDP is one of the ‘Tests of Soundness’ considered in the Examination of the LDP by the Planning Inspector.

6.3 The LDP Manual explains that the Annual Monitoring Report process should not just be about data collection, but about taking a forward looking action-orientated approach which may raise issues that need to be addressed and will help form the basis for a review of the LDP.

6.4 The LDP is subject to a four year review period. However, a full review of the LDP is only likely to be required in certain circumstances, for example where new legislation or guidance is released, significant changes to forecasts occur or where delivery of the LDP objectives is not being delivered. It is a combination of all of these factors, together with the issues raised in the AMR which may warrant consideration of a partial or full review. It would not be based solely on whether an individual target was being met or policy having a specific outcome.

6.5 The LDP Manual acknowledges that data cannot be collected for every policy in the Plan; it would lead to an unnecessarily large and complicated document. It suggests that key policy areas are monitored consistently to allow for trends to be recognised. Where possible, use will be made of existing information being collected, for example linking with the Sustainability Appraisal monitoring indicators.

6.6 It is important to recognise that the monitoring process can be a complex task, particularly where there is a lack of consistent data or if there is doubt an outcome can be solely attributed to development plan policies. There may also be difficulties in monitoring certain impacts on an annual basis when some changes take a longer time to materialise. Therefore, careful attention has been given to gathering the right volume and grain of data.
6.7 The LDP monitoring process involves gathering data on a range of different indicators including:

- National core output indicators;
- National sustainable development indicators;
- Local output indicators relating to key objectives, strategic and detailed policies in the LDP;
- SA/SEA indicators regarding environmental impacts of the LDP; and
- Contextual issues affecting Cardiff such as changes in national policy or legislation, external factors and local social, economic and demographic trends; all of which will be presented and assessed in the AMR each year.

6.8 Targets linked to the indicators are set to assess whether policies are being implemented effectively. The AMR will provide a commentary on the extent to which targets have been met along with a consideration of factors influencing the findings in order to fully inform the overall review of performance. Trigger points are used to highlight any issues regarding relevant policies which could warrant further consideration. If a trigger point was reached it would not automatically mean a policy would need to be amended. It would be an issue for the AMR to consider in greater detail, in particular whether a policy is failing or if there are wider external factors contributing to a trigger point being reached.

6.9 Monitoring of the LDP is an on-going process and indicators and targets will be developed as this process continues. Existing indicators and targets will be evaluated and, where appropriate, changes made to existing indicators and targets including the additional inclusion of new indicators, should they be considered necessary. The process also allows gaps in data collection to become evident and may warrant measures to be taken to address those gaps. It is important that targets are realistic and measurable. It is recommended in the LDP Manual that any targets developed are ‘SMART’ i.e. that they are specific, measurable, achievable, realistic and time-bound.

6.10 Monitoring enables the implementation the LDP Strategy to be assessed, for example delivering development on allocated sites. This will show at an early stage a better understanding of whether the LDP Strategy is being delivered as intended or if not, identifying measures that may be required to do so.

6.11 The monitoring framework is set out in Appendix 9 and demonstrates how key objectives, strategic and detailed policies will be assessed against a set of indicators.
How to make comments
7.1 You can comment on the Deposit LDP in one of two ways:

- On-line by registering at www.cardiff.gov.uk/localdevelopmentplan and using the on-line response form, or
- If you are unable to make comments on-line, please download a response form from www.cardiff.gov.uk/localdevelopmentplan and e-mail it to ldp@cardiff.gov.uk. Alternatively forms can be obtained by telephoning 029 2087 3461 and returning them by post to the address below

LDP Team
Strategic Planning
Cardiff Council
Room 227
County Hall
Atlantic Wharf
Cardiff
CF10 4UW

7.2 The consultation period runs from 15th October to 26th November 2013. Comments must therefore be received by midnight on 26th November 2013. The Council cannot guarantee that comments received later will be considered. All comments made by the deadline will be acknowledged and considered.

How to contact the LDP Team

7.3 If you have any queries about how to submit your views either:

- Check the website www.cardiff.gov.uk/localdevelopmentplan for up to date information;
- E-mail our team on ldp@cardiff.gov.uk; or
- Speak to our team on 029 2087 3461.
List of Appendices

The following Appendices 1 to 10 are contained in a separate Appendices document:

1. List of Supporting Documents
2. List of Key and Detailed Policies
3. National and regional policy framework
4. The Cardiff context and key issues the plan must address
5. List of Supplementary Planning Guidance (SPG) to be prepared at different stages
6. Summary of LDP process including technical terms glossary
7. List of the Evidence Base used to inform the plan
8. Tests of soundness self assessment
9. Monitoring Indicators
10. Bibliography

Background Technical Papers and Assessments

2. Cardiff Deposit Local Development Plan 2006-2026 Background Technical Paper No. 2 Urban Capacity Study – September 2013
3. Cardiff Deposit Local Development Plan 2006-2026 Background Technical Paper No. 3 Green Belt – September 2013
5. Cardiff Deposit Local Development Plan 2006-2026 Background Technical Paper No. 5 Transportation – September 2013
6. Cardiff Deposit Local Development Plan 2006-2026 Background Technical Paper No. 6 Infrastructure Plan – September 2013
8 List of Appendices and Background Technical Papers

7. Cardiff Deposit Local Development Plan 2006-2026 Background Technical Paper No. 7 District and Local Centres

8. Cardiff Deposit Local Development Plan 2006-2026 Background Technical Paper No. 8 City Centre Protected Shopping Frontages Assessment – September 2013


11. Cardiff Deposit Local Development Plan 2006-2026 Final Sustainability Report - September 2013


17. Cardiff Deposit Local Development Plan 2006-2026 Summary of cross-boundary working – September 2013