



Llywodraeth Cymru
Welsh Government

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National Development Framework

Engagement Events

October / November 2017

Event Record

April 2018

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1 Introduction

- 1.1 The Welsh Government is preparing a National Development Framework for Wales (NDF). The NDF will be a 20-year national development plan and will replace the current Wales Spatial Plan.
- 1.2 The role of the NDF will be to:-
- set out where nationally important growth and infrastructure is needed and how the planning system - nationally, regionally and locally - can deliver it;
 - provide direction for Strategic and Local Development Plans and support the determination of Developments of National Significance;
 - sit alongside Planning Policy Wales to set out the Welsh Government's planning policies; and
 - support national economic, transport, environmental, housing, energy and cultural strategies and ensure they can be delivered through the planning system.
- 1.3 Engagement was undertaken across Wales in January and February 2017 to support the commencement of the NDF process and to help begin to identify the key issues that the NDF should address. This engagement is recorded in the NDF Engagement Event Record (July 2017) and directly informed the preparation of the first draft of the NDF Objectives and Alternative Options (Annexe 1).
- 1.4 In October and November 2017, a series of 12 engagement events were undertaken across Wales, with over a 100 participants from 61 different organisations attending (Annexe 3).

Date	Location	No of Sessions
6 October*	Cardiff	1
9 October	Cardiff	2
12 October	Carmarthen	1
13 October	Llandrindod wells	1
17 October	Cardiff	4
19 October	Llandudno Junction	1
20 October	Llandudno Junction	1
9 November*	Llandudno Junction	1

**These events were jointly arranged with the Royal Institution of Chartered Surveyor (RICS) Wales and the Institution of Civil Engineers (ICE) Wales Cymru.*

- 1.5 A pre-engagement information pack was sent to attendees in advance of the events, which included the emerging NDF Objectives and Alternative Options (Annexe 4).
- 1.6 This document is a record of these events and the issues that were raised across Wales.

2 Purpose of Engagement Events

- 2.1 The events were organised to:-
 - discuss key issues and evidence informing the preparation of the NDF preferred option;
 - discuss the emerging NDF Objectives and Alternative Options, specifically their positive/negative aspects and whether they were realistic; and
 - inform the development of a preferred option for the NDF.
- 2.2 The opportunity was made available to submit additional comments, including other potential alternative options, after the engagement events.
- 2.3 All this evidence will contribute directly to the development and refinement of the NDF Objectives and Alternative Options and the Issues, Options and Preferred Option consultation in April 2018.

3 Record of Issues Raised

- 3.1 This section is a record of the issues raised across the twelve events and forms part of the NDF evidence base. Each of the events focussed on the four Alternative Options and to a lesser extent, the Benchmark Option. This section is structured under these options. Written comments were also received after the event and these are included in this section.

3.2 This section provides an overview of the key issues raised in relation to each option. Across all events, and for all options, there were a range of views expressed. Comments have not been assessed or prioritised in this report.

Alternative Option 1

Alternative 1 – Market Driven Focus

Overview - Growth and development of the economy is the overriding priority. The markets are trusted to tackle challenges and there is a need to ensure business is responsive, able to develop new solutions and approaches and is not constrained by the planning system. It facilitates development and maximises the delivery of economic opportunities, including Developments of National Significance (DNS). The NDF actively seeks to support the delivery of cross-government aims, such as deprivation, regeneration, physical and mental health, by facilitating economic growth.

Why this Option? – Consensus on need for national perspective - transport, energy, need to drive delivery & provide certainty; recognition of potential for big projects; interest in national targets – GVA, energy & house building; perceived problems – delivery & speed; silo thinking & missed opportunities to align investment; economy underpins many issues.

Wales 2040

Housing

Focussed in strongest market areas, including greenfield

Energy

Nationally scaled infrastructure projects

Economy

Investment in infrastructure, key sectors & growth at all levels

Regeneration & Public Investment

Areas greatest economic potential

Rural

Support opportunities but not a focus for intervention

City Regions

Strong support & focus on maximising economic potential

Transport

Large projects to drive economy; outward looking focus

Key Assumptions

- Identification of DNS for key development projects and infrastructure.
- Significant levels of investment in transport, energy and digital infrastructure.
- Cities and their regions are viewed as the primary economic drivers.
- Higher rates of housing and economic development, with greenfield land released.
- Planning controls and some environmental regimes are relaxed.
- Internal and external connectivity is actively improved, including enhanced air, sea, road and high speed rail links to England and beyond.
- The private sector leads investment in energy sector and waste.

Extract from event presentation

3.3 The discussions on Alternative Option 1 were wide ranging. The primary strength of this option was that it would provide clear focus for decisions and investment and would represent a positive, proactive and deliberate attempt to address the economic challenges Wales faces.

- 3.4 The main weakness was that in consciously deciding not to focus on large parts of Wales, it sought to do little to address directly any issue experienced outside of the urban cores. This would serve to worsen inequality.
- 3.5 This option was considered to be a realistic option which could be adopted if that was what was decided. Annexe 2 provides a longer summary overview.

Issues Raised

Positive elements of Option 1

- This option identifies where Wales is strongest and builds from there. This is positive. To be successful we must build from where we are now, not from where we wish we were. It sends out a strong, positive message that will attract investors and entrepreneurs to Wales.
- This option would provide the framework to deliver the infrastructure to support growth in the cities and their regions. It recognises a strong steer to focus on cities is required. It also provides flexibility to respond to changing circumstances whilst focussed on an overall goal of increasing economic activity.
- This option recognises that large, national projects can only be driven by central government. The impacts of national projects cannot easily be reconciled at the local level. This option will help overcome local, political barriers. It would identify key infrastructure and give much more certainty to utility providers. This is a key strength.
- This option correctly recognises that broadband and digital infrastructure is essential to a modern economy. It should be developed to facilitate delivery from the national level.
- This option would link in to ambitions for world-leading green growth innovation and technologies. It is important this option makes clear that growth isn't bad and that the right growth supports all our objectives.
- This option focuses development in a small number of geographical areas. This is welcome and will help leverage funding to these areas to deliver the growth.

- This option, whilst focussed on economic growth, would also support cultural, social and environmental objectives. It is important to remember the link between a strong economy and the ability to invest in other areas.
- It is wrong to suggest this option fails because it focuses on one main objective only rather than instead, a wide range of objectives or all of the well-being goals. You could develop a strategy based on economic growth which met all the well-being goals.
- This option is an important benchmark against all other options. Even if one disagrees with it, you must include it to understand the outcomes of different choices.
- This option would deliver strong benefits in terms of job creation, economy, health, public transport and increased competitiveness with the UK and beyond.
- This option has a similar focus to the Scottish equivalent of the NDF – economic development. Others have adopted this approach and so should we.
- This option requires us to make decisions. This is important. We must not avoid taking hard decisions by failing to prioritise one investment or one area over another.
- This option correctly recognises that the most vital spatial movements in Wales are east to west and this is where investment is required. This option must fully understand the role of the transport system in supporting growth areas.
- This option recognises correctly, that investment and growth in Wales is constrained by topography and can realistically only happen in and around the current built up areas.

Suggested improvements to Option 1 and comments

- This option should recognise that cities and towns do not function in isolation from their region, particularly in Wales. An option developed around cities may be a sensible way forward but an improved option would recognise the wider regional relationships.

- This option is largely silent on mid-Wales. An improved option could recognise the economic energy related potential of mid-Wales, providing a wider focus on economic opportunity across Wales.
- This option reasonably identifies economic health as important but needs to consider this approach in the context of potential environmental limits, capacity requirements and constraints. There cannot be a strong economy in an unsustainable environment. Also, environmental considerations should not be seen as a barrier but a positive opportunity to enhance Wales.
- This option positively supports growth which is welcome but does not focus on key sectors such as tourism, which are all-Wales. An improved option should recognise positive economic activities can and need to happen outside the cities.
- This option is supported but should focus on the role of smaller businesses and smaller investments as well as larger ones. These are particularly important in Wales.
- This option should clearly recognise that a strong economy relies on a strong mineral industry. Growth, development and the provision of new infrastructure will require minerals.
- This option, notwithstanding its strong support for the market, would have to recognise that market subsidy would still be required. The market in Wales is not strong enough and a market only option would not work.
- This option would require the market to provide major infrastructure up front. Markets are reactive and do not work in this way. Any option needs to understand that public investment is required and matters are not simply 'left to the market'.
- This option should be expanded to include the wider economy and in particular the rural economy. The market can play a role in improving rural economies too and support for new business opportunities, diversification and private investment in rural areas would be welcomed.
- This option (and all the options) will be influenced by policies and investments in England. Politically, we have not properly considered

these cross-border relationships and spatial patterns. This option should be amended to do this.

Weakest elements of Option 1 which should not be taken forward

- This option is too focussed on markets and is too economically driven. Markets do not 'plan' for the long term or consider wider social, cultural and environmental objectives. This laissez-faire approach is not justified even with issues such as Brexit.
- This option is too focussed on large scale energy infrastructure. An improved option would consider supporting energy generation at all levels.
- This option focusses on growth as a positive driver. It is important to recognise that growth also contributes to congestion, poor air quality, safety, loss of habitats and so on. This is why it needs to be planned and managed properly.
- This option would be road focussed and unable to provide a modern, integrated, connected, accessible, sustainable and active travel system. Markets cannot undertake this type of planning because many of the benefits it supports are not easily monetised – air quality, health, safety, quality of life, green spaces, clean water, and diverse resilient environments.
- This option is too focussed on cities and would exacerbate inequality and create negative outcomes everywhere outside the cities. It represents the 'South East Wales' approach, with little interest in anywhere else.
- This option allows the market to generate profit but not bear the cost. This is an unsustainable approach and poor planning. There would be at great risk if the market failed.
- This option disregards the well-being approach and does not take a holistic view of the issues and challenges.
- This option does not think enough about places. It focuses on only one aspect of successful places and a much more rounded approach is required.

- This option is too outward looking and does not think enough about people in Wales. It would not support Welsh language objectives.
- This option would negatively impact on landscape, ecological, biological and nature interests.
- This option ignores the rural economy. Where is agriculture, food, marine, tourism, recreation? It will exacerbate rural depopulation and the decline of services and infrastructure.

Alternative Option 2

Alternative 2 – Community Focus

Overview - This alternative is driven by the creation of strong, local communities. The focus is on ensuring everyone has access to the jobs, housing, services and facilities they need. The interests of those in greatest need are prioritised for action and there is a strong emphasis on people and their well-being. Access to services and facilities, social inclusion and health improvement would be key considerations.

Why this Option? – Engagement identified importance of communities, local services & facilities, need for local housing solutions, depopulation, impact on Welsh language, growing economy locally and the importance of a framework for rural Wales. Importance of understanding impact of national planning decisions on local communities.

Wales 2040

Housing

Smaller scale, dispersed, local needs

Energy

Supply through local, community based infrastructure

Economy

Local sustainable economies, jobs close to home

Regeneration & Public Investment

Areas greatest need prioritised

Rural

Depopulation reversed

City Regions

Focus on full region & equity for all communities

Transport

Community focused, reducing need to travel

Key Assumptions

- Improving **health** and well-being are key, with **air quality** improvements targeted.
- Regeneration and tackling deprivation are a key focus, with economic development focussed on areas of **greatest need**.
- Local, **affordable housing** will be supported, with strong support for local and self build housing.
- **Accessibility** is central to decision making and locational choices must maximise accessibility to all members of society.
- The NDF emphasises digital connectivity.
- **Community owned renewable energy** schemes are prioritised.
- Strong support for **circular economy** and waste as a resource.
- Sustainable settlement patterns – **homes close to jobs and key services** and facilities, **reducing the need to travel** and ensuring sustainable land-use patterns

Extract from event presentation

- 3.6 The discussions on Alternative Option 2 recognised that one of the key challenges of the planning system is balancing national interests with local impacts. The primary strength of this option was that it would consider the whole of Wales and that it would focus on the issues that impact upon people's everyday lives.
- 3.7 The main weakness was that by focussing on outcomes at the local level, the opportunity would be missed to tackle true national issues, which can only be properly considered and planned for at the national level.
- 3.8 This option was considered to be a realistic option which could be adopted if that was what was decided. Annexe 2 provides a longer summary overview.

Issues Raised

Positive elements of Option 2

- This option provides positive support for digital infrastructure across the whole of Wales. This is welcome and would support greater home working, rural businesses and the delivery of services.
- This option, with its local focus, would support incubator and small start-ups and be better orientated to work with SMEs. Community based entrepreneurialism has great economic potential for Wales.
- This option focuses strongly on places and this is a strength. Rather than focus on individual outcomes in different policy areas – housing, employment, green spaces, energy – we must consider the places and communities these things combine to create.
- This option recognises the importance of accessibility to public services including schools and health services. The NDF has a vital role to play in ensuring these are located where they are accessible to everyone, especially the most disadvantaged, and that they help build and sustain communities.
- This option would provide the space for local areas to develop their own approaches to the challenges they face. This is better than a one-size-fits-all approach. Place plans are an example of successful local planning.

- This option would support a bottom-up approach to planning, which would be much more effective and representative than top-down direction. It would ensure communities are able to take responsibility for their actions and dealing with the consequences e.g. waste.
- This option best reflects the Well-being Act, seeking to achieve a range of different outcomes equally and not prioritising one outcome over others.
- This option provides a spatial approach that supports Welsh communities, ensuring they are sustainable and allow people to stay in their local area. Supporting existing communities, rather than investing in new towns or expanded urban areas, would be a focus of this option and is supported.
- This option recognises that local ownership of solutions is much more sustainable over the long-term.
- This option would positively support different types of housing provision including self-build, custom-build and One Planet Wales developments. This is a positive and allows local, bespoke solutions to local housing issues.

Suggested improvements to Option 2 and comments

- This option widens the geographical focus in comparison to option 1 and this is welcome. However, it is important to not go from a scenario entirely focussed on the cities to one focussed everywhere. The city regions are where the majority of Wales's population live and can function as cohesive planning areas. These represent a better focus.
- This option provides strong support for decentralised energy generation. This is very positive but it must be recognised that larger, national scale solutions will also be required.
- This option positively supports homeworking. It is important to remember that whilst this is a good approach, it will only ever represent a small component of the work environment and traditional workplaces - factories, offices, shops, hospitals, workshops and so on - will be required.

- This option provides an interesting counterpoint to option 1 and this exercise is very helpful in identifying different choices and what they mean. It is important to remember that in reality the choices we will make, are less black and white. For example, achieving sustainable outcomes will require actions on the local scale and national scale, in cities, their regions and rural Wales. The preferred option should reflect this and be more balanced.
- This option positively supports local action and local solutions and this is supported. It must be recognised that larger than local solutions will always be required. Given the urgency and extent of the challenges Wales faces, we would be limiting our ability to achieve change if we only addressed problems through locally-scaled solutions. The aspiration is supported but it may be unfair to raise expectations that cannot be delivered.
- This option is realistic and has positive aspects but would Wales be significantly different after 20 years of this approach? A massive cultural shift would be required for this approach to be successful.
- This option is too focussed on housing – certainly an important issue – but it should be widened. Employment and the economy are key. It is a strong rural economy that reverses depopulation for example.
- This option, in supporting communities, supporting house building and the delivery of services across all parts of Wales, would help reverse depopulation. Many people have understandably focussed on this as a positive aspect. However, it is important to recognise that people leaving an area is not always a negative particularly when viewed on an individual basis, where people leave for work, university, to be nearer relatives, to start a new life and so on.

Weakest elements of Option 2 which should not be taken forward

- The presentation at that start of the event rightly identified the big challenges Wales faces over the life on the NDF. Big challenges require big solutions. This option would focus on the needs of local communities at the expense of addressing national issues. It is a feel good option which wouldn't deliver infrastructure.
- This option does not recognise that large scale development pays for and delivers wider public benefits in a way that small scale

development cannot. Roads, schools, public transport, affordable housing and other facilities and infrastructure are all currently funded through new development. A move away from big development projects would mean you would lose this.

- This option does not recognise that small scale development is often unable to deliver section 106 including where contributions are appropriate in scale to the development. This will significantly frustrate delivery. Who would build the small scale developments envisaged?
- This option would offer no incentive to invest and would offer no certainty or clarity. This lack of focus and prioritisation would be damaging to Wales and would be a big missed opportunity.
- This option suggests that there is a scenario where high levels of services, infrastructure and development could be developed everywhere. This is simply not the case. This process is useful for illustrating this point.
- This option demonstrates that rather than unrealistically believe all communities will benefit from the same services and infrastructure, we should instead focus the planning system in determining where the best locations for certain types of development are and then, how we can all access them sustainably.
- This option is very inward looking and fails to think about Wales's relationship with our neighbours and the wider world.
- This option is like an LDP. It doesn't provide the step change we need and it doesn't address delivery issues. We have a three tiered planning system. Each tier should operate at the level it was designed to.
- It is incorrect and an over simplification to say this option is most like the Well-being Act and therefore it is the best. The relationship between planning and the Well-being Act needs careful consideration. Without a strong economy, for example, we would fail against every goal. You could have an economically focussed option that supported the delivery of all the Well-being goals.
- There are concerns that the Well-being Act will be used to suggest everywhere should be treated equally. This is an incorrect understanding of 'equality' and is plainly inappropriate. A region of 1

million people should not be treated the same as a region of 100,000 people as this option seems to suggest.

- This option would allow central government to abdicate its responsibility for planning for national issues to NIMBYs. Engaged communities generally oppose things rather than plan & make difficult choices.
- There is an important issue in regard of 'who' would be represented as the 'community'. The planning system and those who participate in it are often unrepresentative being generally older, white and middle class. Engagement with deprived communities is difficult. This option would allow the affluent to support a NIMBY agenda and would not be in the interest of all the people of Wales.
- This option fails to recognise that you need to have a national framework to properly plan and deliver large scale infrastructure and strategically direct growth.
- This option would be unable to address larger than local issues such as energy, in migration, waste and minerals.
- This option is non-spatial. It avoids making choices about anywhere. It requires much more leadership and strategic direction from Welsh Government. The NDF represents a positive opportunity to provide this and it should not be lost.
- This option refers to reducing the need to travel. This is too broad brush and the ambition should be for people to move around efficiently and sustainably. People will always need to travel and the option should reflect this.

Alternative Option 3

Alternative 3 – Decarbonisation Focus

Overview - Decarbonisation and climate change are the primary considerations. Targets for renewable energy and emissions will significantly shape this option. Existing urban and rural patterns will be adapted to improve their sustainability. Programmes to adapt existing buildings and urban fabric, such as energy efficiency programmes, will be fully supported. There may be constraints placed on actions and we accept that achieving long term benefits will require difficult choices.

Why this Option? – key WG priority; strong consensus on importance ; help address climate change & environmental issues and also economic opportunity; at all scales – national & local; affects all issues – housing, transport, environmental; range of opportunities – no single intervention; all-Wales issue; clear recognition of importance of ‘land-use planning’.

Wales 2040

Housing

Most sustainable locations – reduce need to travel / modal shift

Energy

Focussed on RE Targets – all tiers planning aligned to deliver

Economy

Low carbon economy, strong support sectors help achieve aims

Regeneration & Public Investment

Focussed in most sustainable locations

Rural

Stronger, self contained communities – sustainably connected

City Regions

Connected, accessible, planned

Transport

Strong alignment land use - reduce need to travel / modal shift

Key Assumptions

- Development must be resilient to climate change impacts.
- Economic objectives will not outweigh the delivery of decarbonisation and climate change objectives.
- Reducing transport movements, congestion and emissions influences key decisions.
- Reuse of brownfield sites will be prioritised.
- Rail connectivity is actively prioritised. UK and international connections will be rail and sea based.
- Renewable and low carbon energy generation is actively pursued and fossil fuels phased out. Areas for renewable energy developments are identified.
- Energy efficiency is promoted strongly, as is energy storage and transmission infrastructure.
- Sustainable flood management proposals are developed on a large scale.

Extract from event presentation

3.9 The discussions on Alternative Option 3 recognised the upmost importance of addressing climate change and the decarbonisation agenda. The primary strength of this option was that it would direct action at all levels: across the whole of Wales; and that the planning system was well-suited to delivering the change required.

3.10 There were few negative comments. There may be some negative outcomes, such as additional costs and barriers to development, which we may be prepared to accept but it is important that these are recognised.

- 3.11 This option was considered to be a realistic option which could be adopted if that was what was decided. Annexe 2 provides a longer summary overview.

Issues Raised

Positive elements of Option 3

- This option underpins the successful delivery of all the other options. There is no robust economy (Option 1) or strengthened communities (Option 2) without a resilient environment and stable climate. This option therefore has to shape the emerging option and place climate change at the top of the agenda.
- The potential negative outcomes of adopting an option that did not support these objectives make the case for this approach.
- Of all the options, this option is most aligned with the role and purpose of a planning system. Where things go, how we move around, how we use our resources, are questions the planning system can help answer and ensure the decisions we take are aligned to a common goal. This is an exciting opportunity for the planning system to drive change.
- The successful delivery of this option will require a return to sound planning principles - planning where and how things are built, the interaction between land uses and the assessment of outcomes.
- This option provides the opportunity for Wales to be a world leader, to drive innovation and be at the forefront of technology.
- This option is not counter to the other options. Whereas Options 1 and 2 suggest a choice between two different futures, this option can support a strong economy, strong communities and the sustainable management of natural resources. It is therefore the most effective option.
- This option provides a much clearer spatial framework than Option 2.
- This option would support actions at all levels, from national projects to local schemes and this is welcome. The cumulative impact of many small decisions can be as important as a few big ones.

- This option would provide a framework for decisions across the whole of Wales and at all levels. This is a strength. It could provide clear direction for SDPs and LDPs.
- This option would require a cultural shift in attitudes to the future, to change the way we travel, measure wealth and focus outcomes on sustainability. Leadership from the Welsh Government is important.
- This option raises interesting questions about the future of rural Wales. Are they sustainable locations? Should they grow? Is depopulation from peripheral rural areas to more sustainable city regions potentially positive?
- This option positively supports improvements to digital infrastructure. This is welcome.

Suggested improvements to Option 3 and comments

- This option should say that there is a presumption in favour of actions to address climate change.
- This option needs to consider cumulative landscape constraints, especially in relation to wind energy, which could affect the delivery of necessary infrastructure.
- A framework for delivering large scale projects and projects at all levels is required particularly in relation to energy and transport. The choice isn't whether we deliver them at the top or the bottom.
- The choices we must make when considering how to respond to climate change and deliver the climate change agenda, aren't 'urban or rural', they are 'where can we make the most significant difference?'
- This option assumes brownfield sites are the most sustainable. This is not always the case. Brownfield sites can have wildlife value. Agricultural greenfield sites can have very little ecological value. Brownfield sites can be in unsustainable locations, greenfield sites in much more accessible locations. The framework needs to ensure we make the right choices and not be dogmatic.
- A key challenge for pursuing this option will be to not demonise cars. They are a lifeline to many disadvantaged groups and can help make society more equal.

- This option needs to support actions to take commuters off the road and ensure road and rail can be used for economic purposes.
- This option needs to ensure we think much wider than our borders and in particular adjoining English regions.
- The preferred option must provide top-down direction for the provision of charging points for electric cars.
- The option needs to be consistent with UK policy. Differences in UK and Welsh government policies will cause confusion and weaken delivery.

Weakest elements of Option 3 which should not be taken forward

- This option needs to consider the potential for negative outcomes. These may be acceptable but it is important they are recognised and considered during the testing.
- This option and the requirements it places on new development, may introduce additional burdens on development viability. The result may be that development that could come to Wales instead goes to England.
- This option may introduce additional costs and/or increased building requirements. In the most affluent areas, these costs can be met. In the poorest areas they cannot and the unintended consequence of this approach could be to further exacerbate the gap between affluent and poorer areas.
- This option could impact upon the futures of existing industries, such as steelworks and aerospace and/or key infrastructure such as road building and airports.
- This option could be undermined by the Environment Act and the Well-being Act. There are too many different, competing strategies and objectives. It must be ensured that the planning system is not constrained from making the right decisions by well-intentioned but misaligned policies elsewhere.
- This option seeks to reduce the need to travel. If travel can be done sustainably, then it is not problematic and achieving this should be the priority.

Alternative Option 4

Alternative 4 – Natural Resource Resilience Focus

Overview -Building the resilience of and maximising the potential from our natural resources is the primary policy driver. The importance of habitats and ecological networks would be strongly emphasised. The NDF would guide development to the most suitable locations, strongly prioritising natural resource implications in spatial decision-making. The NDF will establish a spatial framework for new green infrastructure.

Why this Option? – key WG priority; importance of growing long-term sustainable economies based on our natural resources; agriculture, forestry, RE, water & tourism; approach supports climate change objectives; community focussed; breaks down silo thinking – understanding our natural resources in different ways.

Wales 2040

Housing

Place-based approach focused on communities

Energy

Increasing RE & resource efficiency

Economy

Strong emphasis on circular economy; water, carbon, RE

Regeneration & Public Investment

Community based to realise value of local natural resources

Rural

Strengthened through focus on realising natural resources

City Regions

Focus on climate change adaptation & mitigation

Transport

Modal shift from road for people & freight, green corridors

Key Assumptions

- Principles of SMNR are a key driver of this alternative.
- Strengthening natural resources resilience will be sought as a key outcome in all land use decisions.
- The extent of coverage of habitats and green networks will increase.
- Impacts on biodiversity, landscapes, water bodies and soil are mitigated and adapted.
- Sustainable flood management will be prioritised.
- Innovative green networks will be developed in the city regions, delivering benefits for habitat continuity and species movement.
- Green networks are formed alongside key transport routes.
- Species populations and their habitats will be enhanced.
- There is a presumption in favour of actions to address climate change.

Extract from event presentation

- 3.12 The discussions on Alternative Option 4 drew the strongest opinions and the widest spectrum of views. Some people were strongly in favour and some strongly opposed. It was considered that this was the most distinctly Welsh option and an attempt to do something different.
- 3.13 Views were expressed that the core ambition of this option were welcome but taken as a whole, they did not represent a full national strategy. There were concerns that the biggest issues we face would not be tackled by this approach.
- 3.14 This option was considered to be a realistic option and there was a consensus view that, whether one agreed with it or not, the testing process should be about exploring different options such as this and

they should not simply be dismissed. Annexe 2 provides a longer summary overview.

Positive elements of Option 4

- This option would apply to most of Wales as we are largely a rural nation. It is the most distinctive and feels 'Welsh'. The other options could apply to anywhere.
- This option would be less socially polarising, achieving a more balanced distribution of wealth and resources.
- This option recognises that the sustainable management of our natural resources is essential if our economy is going to thrive. It is essential to identify our natural resources and their management principles in the NDF.
- This option will support the principles of the circular economy which will help deliver the sustainable management of our natural resources.
- This option, by focussing on the resources Wales has and will have in the future, will help us meet the challenges arising from Brexit and make us less reliant on foreign imports.
- This option will support our tourism industry. Tourism has not been recognised as an asset in the past and can be a strong part of our economy.
- Wales's natural resources mean we are well placed to maximise opportunities for activity tourism and eco-tourism. We should make the link between our biodiversity assets and tourism.
- This option must ensure we allow our tourism assets to be realised. Landscapes, for example, that draw people to Wales must be accessible and served by facilities such as parking.
- Green infrastructure has the potential to transform city regions and gives us a new way of understanding what they can be. They can be shaped by green infrastructure, supporting active travel and become distinctly different green places to live.
- This option would support tidal and wind energy projects which have the potential for job creation and economic benefits.
- Biodiversity must be integral to this option and allow us to capture the value of our natural resources.

- This option supports Option 3 and would for example, help achieve food self-sufficiency.
- This option can support wider benefits in areas such as active and sustainable travel, tourism, health and the environment.
- This option is the hardest to initially conceive and raises interesting questions. It is important this option is considered and we think about how its strongest elements can support the emerging option.

Suggested improvements to Option 4 and comments

- Options 3 and 4 draw out costs associated with climate change taking a longer term view and considering longer term impacts. This can help frame the agenda. Similar longer term economic thinking is required to ensure we maximise the benefits of long term thinking and planning.
- Sustainable in the rural context often means more development. Is this what we mean? People will interpret this option very differently – some taking it to mean development that helps realise our natural resources is ok and others that development is not acceptable.
- The principles underlying this option are generally admirable and important but require proportionality. They are a component of the solution but not the solution itself.
- This option should be developed alongside the other options and support them. It is not an option on its own.
- This option could be coupled with option 3 to develop an economic specialisation.
- This option should be developed to identify strategic locations for settlements and green infrastructure corridors and provide a framework for S106 / CIL funding.
- This option should ensure public access to green areas is a key principle. They should not be preserved in a manner that means access is restricted.
- This option should provide infrastructure for electric vehicles.
- Minerals are rarely mentioned in the options. These are one of our most important natural resources.

- The emerging option must move away from economy vs environment and draw through the strengths of each to create a holistic, balanced option.
- This option captures only one element of what we need to do to deliver the well-being objectives. The emerging option needs to be better rounded.

Weakest elements of Option 4 which should not be taken forward

- This option is not the basis of a national spatial strategy. It is naive to think it is.
- This option places disproportionate weight on the environment over the economy. The preferred option must be balanced.
- This option would inevitably drive investment away from Wales to areas with more realistic planning regimes.
- This option will restrict economic growth and act as a brake on the economy. It is inevitably a framework for stopping development.
- This option incorrectly assumes there is a connection between a resource and the community in proximity to it. This is in most instances not the case. Forestry, minerals, water, food, biodiversity resources will not create wealth or direct benefits for the majority of people living near them.
- This option will encourage Wales to become an amenity space for England. It will encourage second home ownership, to the detriment of local communities.
- This option will promote 'middle-class eco-tourism' that does little for our communities.
- This option, by focussing on the realisation of the value of our natural resources, actually risks unsustainable development. We cannot base Wales's future on a defined group of resources without risking over-use of those resources. There is not enough detail in the option to provide assurance.
- This option risks creating an unreasonable and over bureaucratic management process.

- This option supports tourism and this is welcome but it must be recognised that tourism can conflict with other aims – farming, wind turbines, renewable energy. How will these conflicts be resolved?
- This option embraces a very limited approach. It does not reflect the most pressing issues Wales faces - jobs, homes, inequality, accessibility, schools, and hospitals.
- This option represents the view of Wales of the privileged, wealthy, NIMBY elite. It is unrepresentative of most people's experience of life and does not address the issues they face. The presentation outlined the fundamental structural economic weaknesses of our economy. This option does nothing to address these.
- This option would not address the delivery issues around large infrastructure projects.
- This option is not realistic and is contrary to Prosperity for All.
- This option does not have a social focus.
- This option is well intentioned but naïve. A modern, dynamic, prosperous nation does not base itself on the handful of natural resources identified
- This option is selective in the natural resources it refers to. Where are minerals?
- This option would stop many of the very real success stories in Wales on the grounds of e.g. impacts on landscapes or loss of greenfields such as Greenwood, Bluestone, Folly Farm.
- Mitigation and enhancement are already built-in to planning system. The planning system already seeks to deliver sustainable development. This option identifies things we should already do but in elevating them to a national strategy, risks disproportionately emphasising them in decision making.

Other Comments

3.15 There were a number of other points raised.

3.16 It was considered important that all the options should be tested. This included where people did not automatically agree with an alternative option. It was recognised that testing would draw out strengths and

weaknesses and there was a confidence that where people considered an option to be weak, the testing would draw this out.

- 3.17 The transparency in this approach was welcomed, allowing people to understand how the preferred option emerged from the development and testing of the options. It was understood that the forthcoming consultation would provide an opportunity to formally comment and view the supporting ISA reports.
- 3.18 It was suggested that the 4 options should be developed under the headings of the objectives. Whilst the final preferred option may presented differently, at this stage it would be helpful to have a clear thread from the objectives to the options.
- 3.19 Health was identified as an important issue that was related to many aspects of the emerging NDF. It was suggested that health should be included as a separate objective.
- 3.20 The 'Wales 2040' part of the presentation were found to be helpful and it was suggested that in developing the 4 options, this element be retained.
- 3.21 There were some discussions on the length of the objectives. It was recognised the initial versions were being shared at the earliest opportunity. It was considered there would be merit in significantly expanding these at the next stage of the process to give more information on what was intended. Future stages would review them again and provide the opportunity for further refinement if required.

Annexe 1

Pre-Engagement NDF Objectives and Alternative Options

NDF Objectives

NDF Objectives		
1	Cultural assets	Protect and enhance existing national assets and facilitate new cultural development.
2	Housing	Strategic direction for social and private housing, of a good quality and connected with infrastructure.
3	Climate change, decarbonisation and energy	Respond to the impacts of climate change, facilitate decarbonisation and support the delivery of renewable and low carbon energy.
4	Broadband and digital infrastructure	Facilitate infrastructure across the whole of Wales, now and in the future.
5	Economic prosperity and regeneration	Support innovation and technological advancement. Plan economic development around infrastructure and population. Support specialisations, clustering and distinctive regions.
6	Rural Wales	Support actions that strengthen communities by attracting and retaining people. Respond to the challenges and opportunities in agriculture.
7	City Regions	Support the delivery of City Deals in South East Wales, South West Wales and North Wales.
8	Transport	Reduce the need to travel. Facilitate the delivery of key transport infrastructure, including the electrification of the rail network, metro, Cardiff Airport and key ports.
9	Sustainable management of natural resources	Deliver the sustainable management of our natural resources. Strengthen the resilience of designated sites, habitats and biodiversity. Support the principles of nature-based solutions, the circular economy and green growth.
10	Welsh Language	Help create the conditions to achieve 1 million Welsh speakers.

Alternative Options

Alternative 1 – Market Driven Focus

Overview

Growth and development of the economy is the overriding priority. The markets are trusted to tackle challenges and there is a need to ensure business is responsive, able to develop new solutions and approaches and is not constrained by the planning system. It facilitates development and maximises the delivery of economic opportunities, including Developments of National Significance (DNS).

The NDF actively seeks to support the delivery of cross-government aims, such as deprivation, regeneration, physical and mental health, by facilitating economic growth.

Key Assumptions

- Identification of DNS for key development projects and infrastructure.
- Significant levels of investment in transport, energy and digital infrastructure.
- Cities and their regions are viewed as the primary economic drivers.
- Higher rates of housing and economic development, with greenfield land released.
- Planning controls and some environmental regimes are relaxed.
- Internal and external connectivity is actively improved, including enhanced air, sea, road and high speed rail links to England and beyond.
- The private sector leads investment in energy sector and waste.

Alternative 2 – Community Focus

Overview

This is driven by the creation of strong, local communities. The focus is on ensuring everyone has access to the jobs, housing, services and facilities they need. The interests of those in greatest need are prioritised for action and there is a strong emphasis on people and their well-being. Access to services and facilities, social inclusion and health improvement would be key considerations.

Key Assumptions

- Improving health and well-being are key, with air quality improvements targeted.
- Regeneration and tackling deprivation are a key focus, with economic development focussed on areas of greatest need.
- Local, affordable housing will be supported, with strong support for local and self-build housing.
- Accessibility is central to decision making and locational choices must maximise accessibility to all members of society.
- The NDF emphasises digital connectivity.
- Community owned renewable energy schemes are prioritised.
- Strong support for principles of circular economy and waste as a resource.
- Sustainable settlement patterns – homes close to jobs and key services and facilities, reducing the need to travel and ensuring sustainable land-use patterns.

Alternative 3 – Decarbonisation Focus

Overview

Decarbonisation and climate change are the primary considerations. Decisions made through the planning system are informed by the need to decarbonise and mitigate the impacts of climate change. Targets for renewable energy and emissions will significantly shape this option. Existing urban and rural patterns will be adapted to improve their sustainability. Programmes to adapt existing buildings and urban fabric, such as energy efficiency programmes, will be fully supported. There may be constraints placed on actions and we accept that achieving long term benefits will require difficult choices.

Key Assumptions

- Development must be resilient to climate change impacts.
- Economic objectives will not outweigh the delivery of decarbonisation and climate change objectives.
- Reducing transport movements, congestion and emissions influences key decisions.
- Reuse of brownfield sites will be prioritised.
- Rail connectivity is actively prioritised. UK and international connections will be rail and sea based.
- Renewable and low carbon energy generation is actively pursued and fossil fuels phased out. Areas for renewable energy developments are identified.
- Energy efficiency is promoted strongly, as is energy storage and transmission infrastructure.
- Sustainable flood management proposals are developed on a large scale.

Alternative 4 – Natural Resource Resilience Focus

Overview

Building the resilience of our natural resources is the primary policy driver. The importance of habitats and ecological networks would be strongly emphasised. The NDF would guide development to the most suitable locations, strongly prioritising natural resource implications in spatial decision-making. The NDF will establish a spatial framework for new green infrastructure.

Key Assumptions

- Principles of SMNR are a key driver of this alternative.
- Strengthening natural resources resilience will be sought as a key outcome in all land use decisions.
- The extent of coverage of habitats and green networks will increase.
- Impacts on biodiversity, landscapes, water bodies and soil are mitigated and adapted.
- Sustainable flood management will be prioritised.
- Innovative green networks will be developed in the city regions, delivering benefits for habitat continuity and species movement.
- Green networks are formed alongside key transport routes.
- Species populations and their habitats will be enhanced.
- There is a presumption in favour of actions to address climate change.

Alternative 5 - Do Not Prepare the NDF

Overview

This alternative would involve not preparing a NDF. The existing Wales Spatial Plan would remain the national spatial plan, though it does not have development plan status. The ability of the planning system to respond to the requirements of the Environment Act, Well-being of Future Generations Act and the Welsh Government's decarbonisation objectives would be restricted to actions at the local level and without an overarching strategic view.

Key Assumptions

- No national development plan.
- The local development planning system would be the primary tier of plan making and decision taking. In time in parts of Wales, SDPs may be prepared.
- Current trends will continue and progress towards key Welsh Government targets and objectives would remain on their current trajectories.
- Climate change would be a central and priority issue.
- Regeneration and rural areas will be a major focus, but broadband is a relatively minor consideration.
- Housing would be viewed in isolation and not linked to wider objectives.
- Transport objectives would be linked to prosperity objectives but not seen as a central component in the delivery of wider objectives.
- Natural resources and energy would be viewed as regional matters, with no national perspective and no priority status.

Annexe 2

Post-Engagement NDF Objectives and Alternative Options

NDF Objectives

Draft NDF Objective – Climate change, decarbonisation and energy

Support adaption to the consequences of climate change and mitigation of the impacts on our society. Support the decarbonisation of Wales and help meet the Welsh Government's target of reducing greenhouse gas emissions by at least 80% by 2050. Support the transition to a low carbon economy and help meet the Welsh Government's renewable energy targets.

Draft NDF Objective – Economic prosperity and regeneration

Provide a framework that supports competitiveness, innovation and technological advancement and which recognises that modern infrastructure, such as transport, telecommunications, low carbon technologies, renewable energy and other utilities, are key economic drivers that underpin economic prosperity and well-being. Ensure that land and investment that supports economic development is planned around infrastructure, accessible to the main centres of population and supports the Welsh Government's objectives for Prosperity for All, decarbonisation, sustainable management of natural resources, green growth and the circular economy, skills and job creation, regeneration and all of the well-being objectives. Respond to the challenges and opportunities in different regions in Wales, including supporting sector specialisations, clustering and distinctive regional and area-based approaches, and tackling inequality.

Draft NDF Objective – Rural Wales

Support actions to strengthen rural communities including steps to attract and retain people, to support job creation and growth, the provision of modern infrastructure and services and opportunities provided through the sustainable management of natural resources. Agriculture together with wider primary production sectors, sustainable tourism and diversification, are an integral component of the rural economy. The framework must respond to the challenges and opportunities that these sectors will face now and in the future, allowing for flexibility and the development of new approaches.

Draft NDF Objective – Housing

Provide strategic direction for the provision of new social and private housing of good quality design and innovation, co-ordinating delivery with connectivity infrastructure, key facilities and areas of economic growth. Ensure planning for new housing recognises the key relationship between housing and health and that housing issues will be different across Wales.

Draft NDF Objective – Natural Resources, Circular Economy and Flooding

Support the Welsh Government's objectives to deliver the sustainable management of our natural resources and nature recovery. The framework should ensure that the resilience of designated sites, habitats and biodiversity assets is strengthened through improved diversity, connectivity and a clear recognition of their importance and with an integrated approach to ensure biodiversity and ecological assets help deliver a wide range of social, economic, environmental and cultural objectives. The framework will take a place-based approach and support the principles of nature-based solutions. It should recognise and appropriately manage the potential threat of flooding to the built and natural environment. Seek effective responses to climate change and manage land appropriately, using natural methods where possible to avoid and reduce flood risk. The framework will support the principles of the circular economy to improve our resource efficiency, minimise the unsustainable use of resources, reduce pollution and make more use of recycled and secondary aggregates. The Framework will minimise the use of virgin materials / minerals and continue to increase the use of secondary and recycled materials and promote end of life plans for buildings to facilitate recycling of materials and components.

Draft NDF Objective – Culture

Recognise, protect, promote and enhance our existing national culture through its assets and facilitate opportunities for new national cultural development. To enable resilient, attractive and creative communities across Wales which celebrate the past and build towards the future.

Draft NDF Objective – Transport

The framework should ensure that land is used in a manner that reduces the need to travel and provides accessible, efficient and viable alternatives to the car. Spatial choices must be informed by the movement of people and goods that will result including impacts on health, biodiversity and air and noise quality. The integration of transport measures with land use must be planned and managed to support decarbonisation, economic and regeneration objectives. The framework must facilitate the delivery of key transport infrastructure including the electrification of the rail network and metro systems, sustainable enhancements to movement corridors for people and goods, and support key national infrastructure including Cardiff Airport and key ports.

Draft NDF Objective – Welsh Language

To consider the impact of development on the use of the Welsh language in mind of the Welsh Government's broader goal of encouraging a million people to speak the language by 2050.

Draft NDF Objective – Health

Use placemaking as a tool that ensures inclusive, well-designed local environments that promote healthy and active living patterns including improving access to services. Support the reduction of health inequalities across Wales.

Draft NDF Objective – City Regions and Growth Deals

Support the delivery of City Region Deals in South East Wales, South West Wales and North Wales which offer a major opportunity to support economic growth, improve infrastructure and connectivity, support specialisation and innovation, employment creation and development of skills,

Draft NDF Objective – Broadband and digital infrastructure

Recognise the importance of broadband and telecommunication technology to a modern prosperous economy, delivery of services, social inclusion and our everyday lives, and provide a framework to facilitate infrastructure across the whole of Wales now and in the future, recognising the rapidly changing nature of new technology and the potential for infrastructure requirements currently unknown. The NDF supports the Welsh Government objectives of achieving 100% coverage of broadband and telecoms services across Wales, and this should be delivered at both a local and regional level.

Alternative Options

Option 1

Alternative Option 1 – A spatial strategy focusing growth in the strongest market areas

Summary Overview

This option focuses the long term growth and development of Wales around the strongest market areas. It seeks to support economic growth in areas where markets are strongest and which have the best potential to grow. This option recognises that many objectives – deprivation, regeneration, physical and mental health, language, resilience of natural resources - are directly linked to economic prosperity.

The role of the NDF will be to direct growth to these areas and provide the infrastructure required to support growth. It will take a top-down approach to the delivery of major infrastructure and make clear choices on which parts of Wales will grow and how they should grow. The planning system will be responsive to opportunities for supporting economic growth and will not constrain or delay investment in identified growth areas.

Why has this option been developed?

There was a consensus during the engagement at the start of 2017 on the need for a national spatial plan which provided a framework for nationally important infrastructure. The need for greater certainty and speed of delivery were identified as important and it was recognised that the national planning tier is the appropriate level at which to plan for national needs. Local and regional planning cannot easily balance local impacts with national interests. We were told there is a need for a clear top-down approach to dealing with national issues.

There was recognition that many of the challenges faced in Wales stem from economic issues and that much health, deprivation, well-being and other issues can be addressed through improving economic circumstances. Over the long term, there is a need to support a dynamic and growing economy and there was recognition that strong businesses and new investment have positive benefits for Wales. There is a need to support economic growth and investment.

It was identified that silo thinking and un-coordinated approaches mean that investment is not focussed on a clear goal and decisions made through the planning system lack coherency. A NDF focussed on economic growth, offers the opportunity to

ensure all land-use decisions at all levels are working towards a common goal. There is a need to ensure a clear, economic focus.

This option has been developed and subject to further engagement in October 2017.

Full Overview: How would this option help meet the objectives?

Cultural Assets

This NDF supports existing and the provision of new heritage, sporting and arts development assets where they provide economic opportunities. It recognises that these should be economically viable and promotes appropriate housing and commercial uses around them, to maximise economic potential. Culture-led regeneration projects are supported where they provide direct opportunities for economic growth. Developments at all scales and opportunities for cross-subsidisation with other developments are supported. Cultural projects unable to demonstrate an economic value are not prioritised.

Housing

House building is viewed as a significant economic driver in its own right with large potential multiplier effects for local economies. Housing development which meets market demand is facilitated, helping to attract and retain a skilled labour force. New housing provision is particularly targeted at areas within commuting distance of economic growth areas. Significant new land allocations are made to accommodate development, with release of large sites in and around settlements if necessary. This may include managed release of greenfield land, following policy and capacity reviews. Affordable housing initiatives are progressed in areas where economic growth is particularly concentrated, aiming to meet the needs of key workers. Market housing is directed to areas attractive to the market, with unattractive areas reliant on public investment only. Opportunities for cross-subsidisation of housing and other developments are supported.

Climate change, decarbonisation and energy

Investment in energy is driven by the private sector. Development patterns continue to focus primarily on the most viable technologies including wind energy developments (with large-scale schemes predominating). Off-shore developments would be facilitated through appropriate on-shore infrastructure. Opportunities for green jobs within these sectors are high on the agenda.

Issues arising from climate change, such as rising sea levels and flooding are approached from an economic perspective. Steps will be taken to address these challenges in so far as they minimise risks to growth. Decarbonisation objectives will

be supported where they provide economic opportunities and growth. Economic land allocations take climate change into account to minimise risks to business.

Broadband & digital infrastructure

Telecommunication and digital technology is a key priority, with the NDF supporting provision of the required infrastructure through the market, as well as encouraging technological capacity to be built into the design of new buildings, infrastructure (including transport infrastructure) and areas of urban expansion and renewal. Infrastructure will be provided on the basis of market demand only and to serve the areas of greatest growth potential.

Economic prosperity and economic regeneration

This NDF responds to market demand as well as need, and is based on active engagement with business and industry, with an emphasis on increasing land supply and minimising business development costs. Significant new land allocations are made to accommodate development, with release of sites in and around settlements. This includes the release of greenfield land, following policy and capacity reviews. This NDF would support commercial development in the most viable locations, including both in-town and out-of-town locations. Town-centre focussed development would not be prioritised over out-of-town and the market would determine the most viable location. Brownfield sites (including those in use) attractive to the market would be released for new economic uses. Enterprise Zones are a key focus of intervention. Existing commitments to community regeneration are reviewed, so that future investment can be targeted at people with the most significant economic potential rather than those with greatest social need. Poverty will be tackled by improving the overall prosperity of Wales rather than focussing on specific areas.

Rural Wales

This NDF supports increasing prosperity in all parts of Wales, though its focus will be on the most profitable urban areas and it will only support significant investment in rural parts of Wales where this is market driven. It will not seek to reverse depopulation and will actively provide opportunities for people to move to more prosperous, better served areas to support growth objectives. Support for agriculture would be primarily focused on food security. National Parks and AONBs would be supported for their economic value.

City Regions and Growth Deals

Cities are the primary drivers of the economy and the primary focus of economic investment. Wider regions provide both workers and potential consumers and this NDF supports wider regional interventions that improve economic productivity. A larger,

dynamic workforce provides a larger employment pool and this is attractive to the market. Whilst this NDF will support the principles of city regions, its focus will be on the most profitable economic core and it will be expected that the benefits of growth will spread across the region over time predicated on accessibility.

Transport

Large scale strategic infrastructure projects are taken forward, such as metro projects, directly through the NDF to allow a high level of growth and facilitate land release. Road and public transport infrastructure are upgraded. Internal (inter-city region) and external links by air, sea and high speed rail are promoted. International profile is important to promote Wales and attract investment. Projects which seek to promote external connectivity are taken forward. Transport links to key gateways are substantially improved to help stimulate private sector investment, and in response to business needs. Facilitating the easy movement of international freight, through key gateways by road and rail will be a key priority. Expansion of Cardiff Airport if required, improvements to the infrastructure that support it and economic opportunities for growth in and around the airport will be facilitated.

Natural Resources

This NDF supports the realisation of the economic potential of Wales's natural resources. It would also support the principle of the circular economy and ensuring the full economic potential is realised of all resources, including waste. Investment would be driven by the private sector. Environmental quality is recognised as a strong potential driver of growth, making Wales attractive to visitors and potential investors.

Ecological, biodiversity and landscape designations, particularly at the local and regional level, will be reviewed where they prevent growth and the delivery of physical infrastructure. Over the life of the NDF, the role of national and international designations will be reviewed, in particular in light of Brexit, to understand their role in supporting national economic priorities. Agricultural land could be released for other uses including the best quality land.

Welsh Language

This NDF will support all initiatives that support economic growth and by delivering new employment opportunities, help retain Welsh speakers in Wales. Its focus will be on areas with the strongest economic potential and movements of Welsh speakers from weaker to stronger market areas will be supported.

Health

Good health and well-being enable economic potential to be fulfilled. This NDF focuses growth and services in the strongest urban areas. Health facilities will be planned to support growth.

What are the key assumptions that support this option?

- Cities and their regions are viewed as the primary drivers. Growth is focussed in these areas, with more limited growth in mid-Wales, small towns and regeneration areas.
- The identification of national transport projects is driven by their potential to facilitate economic growth in particular in the strongest market areas. Internal connectivity is improved by substantial multi-modal infrastructure investment. External connectivity is actively improved including enhanced air and sea links, and new high speed rail links to England and beyond to Europe. Freight links between continental Europe and Ireland are also improved.
- There are significant levels of investment in transport, energy and digital infrastructure as key drivers of growth, with prioritisation of projects which offer the greatest improvements in connectivity and support the widest range of objectives.
- Public investment in new infrastructure is driven by the desire to facilitate and attract new investment, both in existing strong market areas and areas of the greatest economic potential.
- The identification of Developments of National Significance would be important, providing clear direction from the Governmental, certainty and greater expediency in decision making.
- There will be higher rates of housing and economic development and increased land take overall.
- Greenfield land for development is released, with development focusing on areas that are already most accessible and in strong market areas.
- Planning controls are streamlined in priority investment areas and some environmental regimes, particularly at the local level, are relaxed where legislative requirements provide scope to do so.
- Planning controls are less prescriptive. Wider planning policy, the sequential test and proximity principle for example are relaxed to give wider spatial choices.

- Affordable housing provision focuses on links with the economy, in terms of locational decisions and market sectors (e.g. key worker housing).
- Environmental initiatives focus on place-making and therefore coincide with areas with greatest economic investment potential. Environmental quality is recognised as a driver of growth, but there is reduced emphasis on environmental justice. Multiple benefits are not necessarily pursued.
- Businesses themselves seek to be more sustainable in operational terms, pursue energy efficiency and are assisted in adapting to climate change to reduce potential economic effects.
- The private sector leads investment in energy sector and waste, leading to variation in types and levels of provision.

What would Wales in 2040 look like?

Cultural Assets

National investment in cultural assets is economically driven and has focussed on the strongest market growth areas, as part of a package of wider investment initiatives.

Housing

Both private and social housing has focussed in strongest market growth areas. The NDF has facilitated through SDPs and LDPs, major urban expansion and greenfield release. Parts of Wales outside of these areas deal with local issues only and do not have a national strategic role.

Climate change, decarbonisation and energy

Nationally scaled infrastructure has been delivered directly through the NDF and the planning system is aligned at all levels to support their expedient delivery. Areas of greatest potential for wind, solar, tidal and other energy generation are the focus for new development. Grid, transmission and storage infrastructure is facilitated. Strong support has been given to new economic opportunities in these sectors.

Broadband and digital infrastructure

The planning system is aligned at all levels to support delivery of infrastructure. The market determines investment and is primarily focused on strongest market growth areas.

Economic prosperity and economic regeneration

Has focussed on the strongest market growth areas, driven by the delivery of new transport, energy and telecommunications infrastructure and a clear direction for the land-use system to support growth in these areas.

Rural Wales

Has been supported to ensure food, energy and water security for wider societal benefits. New investment has been limited to that promoted by the market and there has been no active intervention to reverse depopulation and other social trends.

City Regions and Growth Deals

There has been strong support for city regions in Cardiff, Swansea and North East Wales. Investment in new infrastructure has supported their growth, which has been facilitated by alignment of the land-use system at all levels.

Transport

Nationally scaled infrastructure has been delivered directly through the NDF and the planning system is aligned at all levels to support its expedient delivery. The focus has been on supporting the strongest market growth areas and improving international connections that support economic growth.

Natural Resources

Driven by the market, the economic realisation of natural resources has been strongly promoted across the whole of Wales.

Welsh Language

The primary focus has been on improving the economic health of Wales. Opportunities to support the Welsh language have been supported from an economic rather than spatial perspective. Welsh language speakers have moved away from the traditional heartlands in North-West and Mid-West Wales to the strongest market growth areas.

Health

The provision of services and facilities have been planned to support growth areas.

What did the October 2017 engagement say about this option?

Positive

There was a strong sense that cities are economic drivers and it is unrealistic to think national scale growth objectives can be met without a strong and clear focus on them. Providing infrastructure to support cities and their regions is necessary and generally supported. These are ultimately the areas where the majority of people in Wales live and work.

The importance of identifying key infrastructure and providing a framework to ensure its expedient delivery is a key role for the NDF. In doing so it will provide clear national direction and by focusing growth in key urban areas, will help shape the investment of national utility providers. Focussing investment in a geographically smaller area (as opposed to all-Wales) can help leverage funding and send a clear statement to potential investors.

The NDF is the opportunity to drive national projects from national level and provide a clear spatial strategy for all other Government policies. This is currently missing. Notwithstanding the concerns that a market driven approach does raise, it is important that it is recognised Wales is a poor country and this type of nationally driven, economic focus is required to break the cycle.

This option can help overcome local political barriers. It also recognises that you do need to create prosperity to address other environmental, social and cultural objectives. The failure to link economic prosperity to other outcomes and the belief that we can do everything equally prevents us from addressing some of the major issues affecting Wales. This is well intentioned thinking but doesn't provide the necessary leadership and avoids us from having to take difficult decisions. This option would be an important step in moving Wales forward and is what long term strategic decision making is about.

Negative

There was a strong sense that this option was the opposite of long term planning. It only reflects where Wales is now and does not seek to deliver real change. It supports existing growth patterns and does not provide a spatial strategy for the whole of Wales. It would not be transformational but rather the opposite.

Focussing on the strongest urban centres and cities will not address issues outside these immediate areas. It will both reinforce existing inequality and create new inequalities, as areas outside of the preferred growth regions are not supported. Social, environmental and cultural objectives should not be viewed purely through an economic lens and it is unlikely that these objectives can be met if the sole focus is what is attractive to the market. Such an approach is contrary to the Well-being Act.

There was clear recognition that economic growth is important and, if it is planned and assessed appropriately, has positive outcomes that provide a wide range of benefits. However, the long term spatial development of Wales cannot simply be left to the market to determine and the planning system exists to influence growth and how our places should change, to ensure the widest possible benefits. What happens if markets collapse? What is the role of the Government if not to consider and plan for the long term interests of the whole nation?

Environmental quality is not a barrier to overcome. It adds value and is intrinsic to our well-being. This option lacks environmental consideration and risks short term economic gain over long term environmental resilience. It would not ensure the sustainable management of our natural resources. Markets are short term and are not strategically orientated. Strong concerns were expressed regarding the loss of agricultural land to other uses, including potentially the best farming land.

This option is too outward looking and is not about Wales. It doesn't play to the strengths of Wales - green space, landscape and biodiversity.

Realistic

This option was considered to be realistic. Some considered that as it would reflect current development patterns and trends, it would be the easiest option to adopt. It was also the easiest option to grasp and it was clear how this option could shape other relevant strategies. It was clear how investment in infrastructure could be prioritised to support this option. Others thought that this approach did not represent the status quo; it would represent a major policy shift but that if we decided to do it, we could.

Option 2

Alternative Option 2 – a spatial strategy focussed on creating strong communities across all Wales

Summary Overview

This option focusses on the whole of Wales and seeks to address the issues we face through a dispersed approach, which does not seek to prioritise one area over another. Long term objectives will be met through actions and investment across the whole of Wales and by direct support to local communities to support bottom-up solutions to national issues. This option will deliver strong local communities, providing access to jobs, housing, services and facilities that they need and with a strong focus on people, their well-being and sustainability.

The role of the NDF will be to distribute growth and infrastructure across the whole of Wales with a focus in particular on supporting areas of greatest need and where markets are weaker. It will retain a clear focus on the delivery of national objectives and co-ordinate the actions at the regional and local level to meet these aims.

Why has this option been developed?

There was a consensus during the engagement at the start of 2017 on the need for a national spatial plan. There was also a belief that as well as having a national perspective which considered Wales as a whole, the NDF should relate to local communities and support them to deliver their aspirations. A NDF which considered, for example, south east and north east Wales only would not be a national plan. A NDF which was seen to impose top-down housing, energy or transport policies without taking the opportunity to consider bottom-up solutions as well would not reflect the views of many. It was felt by some that the impact of national decisions on local communities was not recognised enough.

There was a view that the NDF should not seek to pick ‘winners’ or focus too heavily on a one-size fits all approach. Local communities experience different housing issues, language issues, different depopulation and social challenges. The NDF must be flexible enough to allow different, appropriate solutions and create the space for SDPs and LDPs to find solutions.

This option has been developed and subject to further engagement in October 2017.

Full Overview: How would this option help meet the objectives?

Cultural Assets

This NDF would recognise the importance of our heritage in shaping Wales and seek to maintain and promote our distinctively Welsh communities. It would require that new development actively contributes to, rather than detracts from, our cultural capital. Our existing cultural assets will be protected, promoted and enhanced and new cultural developments supported. There will be strong support for local scale community projects that could provide cultural and associated benefits. For example, culture led projects benefitting health and wellbeing through the provision of both formal and informal recreation activities.

Housing

Access to housing and in particular affordable, energy efficient housing would be a key consideration, ensuring all in the local community have access to good quality, affordable housing. Interventions would seek to support affordable housing over other types of housing where necessary. Support will be given for new and innovative housing designs and self and custom build developments will be facilitated, where they provide additional opportunities for new housing and help meet community housing needs. As well as meeting housing needs, new housing will help sustain local communities and support vital services.

In addition to affordability, lifetime homes and the provision of housing to meet the needs of people at all stages of their lives will be prioritised. The type of housing needed will be an important issue, recognising that we need to build the right type of housing in the right places and not focus only on the number of houses required.

Climate change, decarbonisation and energy

This NDF would over the longer-term seek to make a strategic shift from major infrastructure programmes, such as large-scale energy and transport infrastructure and move towards a 'bottom-up' approach. Whilst recognising that there will always be a need for individual projects that will be of a national scale, this option will require that all options are considered fully and that realistic smaller scale, dispersed options are supported where it is realistic to do so and support wider objectives. Local ownership of energy projects and decentralised grid and storage infrastructure will be strongly supported.

The functioning of communities and their needs would be the primary focus. Policies would focus on local, place-based solutions and maximising

community benefits. Decentralised energy generation and distribution would be supported including community owned renewable energy schemes. For larger scale energy policy, there would be a strong emphasis on assessing the impacts on local communities and ensuring the economic opportunities arising from such investment, directly benefits local communities, in terms of jobs, energy costs and other benefits. Actions to increase energy efficiency, in both new and existing developments will be supported, helping meet wider energy objectives, reduce energy costs and address issues of fuel poverty.

Broadband and digital infrastructure

The provision of modern digital infrastructure would be supported, with an emphasis on ensuring all communities in Wales are connected to the latest and best technology. Areas that may not otherwise be served by the market in a timely manner will be the focus of Government investment and this NDF will support all steps to increase access to digital services and resources.

Economic prosperity and economic regeneration

This NDF would support local employment opportunities, diverse local economies and vibrant local centres. It would encourage local distinctiveness and recognise that economic prosperity helps support well-being. Providing better jobs closer to homes, will both reduce the need to travel and allow those who wish to stay and live in their local communities to do so. Regeneration objectives and tackling deprivation would shape major strategic investment decisions, focussing investment on those areas in greatest need. This NDF would seek to avoid reliance on trickle-down economics or prosperity growing outwards from key growth poles and instead promote strong, local centres across all parts of Wales. Poverty will be tackled by focussing on the different issues affecting communities across Wales and shaping responses to meet these needs.

Rural Wales

Reversing population decline would be a priority in rural areas. This NDF would seek to address housing, employment and connectivity (digital and transport) issues and sustain social infrastructure through all levels of the planning system, thereby helping to ensure Wales's rural communities retain and attract all ages and all members of our society. Investment decisions, the delivery of new infrastructure and the co-ordination of other key Government strategies would be aligned to support these objectives.

City Regions and Growth Deals

The city regions would be supported and this NDF would place a strong emphasis on ensuring that investment and opportunities within city regions benefit all. Investment would be supported where it maximises the benefits for all communities and where potential positive outcomes are achieved wider than the central regional urban core. Connectivity will be an important feature.

Transport

This NDF would over the longer-term seek to make a strategic shift from major infrastructure programmes, such as large-scale transport infrastructure and move towards a ‘bottom-up’ approach. Whilst recognising that there will always be a need for individual projects that will be of a national scale, this option will require that all options are considered fully and that realistic smaller scale, dispersed options are supported where it is realistic to do so and support wider objectives.

The functioning of communities and their needs would be the primary focus. Transport policies would focus on local accessibility, with public transport connecting homes, jobs and key services, and places will be shaped around walking and cycling. Ensuring accessibility to key transport hubs will be a priority. Supporting active travel initiatives would be a key objective. This NDF would seek to tackle the negative consequences around transport choices. Health objectives would be a key influence, supporting healthy transport modes and addressing directly air and noise quality issues. Traffic reduction measures, including potentially significant changes to road networks would be pursued if necessary, to secure benefits for local communities.

Natural Resources

This NDF would strongly support the principles of SMNR, recognising the unsustainable management of our resources will negatively impact upon all communities in Wales. Through actions such as increasing resource efficiency and reducing pollution, the aim is to build greater resilience into our ecosystems and biodiversity and support the delivery of national objectives. Agriculture, forestry, renewable energy, water and tourism provide the opportunity to develop high quality jobs across the whole of Wales and secure the long term economic sustainability of our communities. They also provide resources that are fundamental to the prosperity and security of wider industries and ultimately that of our towns and cities. Securing social, economic, health, cultural and environmental benefits and enhancements for local communities through the SMNR approach will be a key priority.

Welsh Language

Welsh speaking communities will be supported and the consequences of planning decisions fully assessed and understood at the community level. This NDF will support all communities by identifying appropriate employment opportunities for every area and planning the provision of new homes so that population change is carefully managed.

Health

The NDF would promote good health and well-being for everyone. Supporting the creation of high quality places with improved access to integrated community facilities and services, including digital access. The NDF will look to tackle inequalities throughout Wales and deliver a range of high quality houses and improved access to the natural environment, to support health objectives.

What are the key assumptions that support this option?

- The planning system and locational choices will ensure that all parts of Wales support the development of sustainable settlements.
- Sustainable settlement patterns are key – homes close to jobs and key services and facilities, reducing the need to travel and ensuring sustainable transport options when required. A strong emphasis is placed on maintaining a good range of accessible community facilities.
- Land-use planning principles will be used to ensure the jobs, services, facilities and recreational activities people use will be close to home. Where they cannot be provided locally, they will be easily accessible by sustainable transport options. Communities will not be disproportionately disadvantaged because they are outside the largest urban areas.
- It is accepted there will remain a need for large-scale national projects. A full assessment process will be required, to ensure that alternative options are considered including locally scaled approaches.
- The provision of local, affordable housing is a key issue with strong support for local and self-build housing.
- The NDF seeks to enable the most disadvantaged communities to benefit from growth, and supports community empowerment and good governance.

- Accessibility is central to decision making and locational choices must maximise accessibility to all members of society.
- Improving health is a key objective and influences all policy decisions. Air quality improvements are directly targeted. Local well-being and quality of life is the key objective in land use decisions.
- Regeneration and tackling deprivation are a key strategic focus. Tackling the legacy of previous development and industry is a priority as well as addressing all areas of poor environmental quality.
- The NDF emphasises digital connectivity, thereby encouraging more flexible and home working, a better work life balance and reducing the need to travel and congestion. Communities will not be disproportionately disadvantaged because they are outside the largest urban areas.
- Community owned renewable energy schemes are prioritised. Initiatives to increase energy efficiency in homes and end fuel poverty are supported by the planning system. Areas where renewable energy is being generated receive direct community benefits and emphasis is placed on schemes being located closer to where people live. Support for distribution and storage networks.
- Strong support for principles of circular economy.

What would Wales in 2040 look like?

Cultural Assets

Strong focus on community scaled projects across all parts of Wales has created distinctive communities.

Housing

Dispersed across all of Wales, housing has focussed on meeting community needs and helped build sustainable communities.

Climate change, decarbonisation and energy

Energy needs are met through a dispersed, community scaled approach following a move away from fewer, large scale developments. Communities are energy exporters. Land use principles have sought to reduce the need to travel and where trips are made, by the most sustainable methods.

Broadband and digital infrastructure

The planning system is aligned at all levels to support delivery quickly and facilitate new technologies as they emerge. Investment has focussed on peripheral and rural areas, accepting landscape change.

Economic prosperity and economic regeneration

Public investment has been balanced across all parts of Wales. The focus on ensuring strong local economies through the planning system and key Government strategies has increased prosperity nationally.

Rural Wales

Depopulation has been reversed and there is strong demand for housing in rural areas.

City Regions and Growth Deals

Successful city regions have been planned to ensure the widest possible benefits for their full regions, recognising the needs of communities across the region.

Transport

Communities have been shaped to reduce the need to travel within them and where trips are made, including between settlements, they are done so by sustainable and accessible transport methods.

Natural Resources

Agriculture, forestry, renewable energy, water and tourism have all supported the growth in high quality jobs across the whole of Wales and helped secure the long term economic sustainability of our communities.

Welsh Language

Strong support and investment in local communities has ensured Welsh language objectives are being met.

Health

Strong focus on integrated community health facilities, ensuring communities can access facilities locally and digitally. Investment in good quality places and increased access to the natural environment,

What did the October 2017 engagement say about this option?

Positive

There was welcome support for the principle of developing a fully all Wales spatial strategy. It was identified as important that the NDF process does not start on the assumption of a top-down, directional strategy and that understanding how national issues could be addressed from the local, community level was important. Housing, energy, employment and transport are typically cited as examples of where the top-down approach of the planning system fails to recognise what local communities want and does not properly assess the uneven impacts of these national decisions on all parts of Wales.

There was concern that city regions, growth deals and major projects such as the M4 focus on defined, urban parts of Wales only. This option, by consciously focussing on the whole of Wales, is a positive attempt to think beyond the usual areas.

There was support for the principle of seeking to focus public investment in the areas of greatest need and ensuring private investment in the strongest market areas is planned to deliver the widest possible benefits.

The ability to develop local approaches under a unified national framework was welcomed. Housing and economic growth were frequently given as examples of areas where issues vary greatly across Wales. Focussing only on a single, narrow aspect such as housing numbers rather than the type and quality of housing, does not support the delivery of wider objectives. Community focussed approaches would be more flexible and allow appropriate solutions to be developed.

This option was considered to be a good fit with the Well-being Act, seeking not to prioritise one area or one outcome over another but rather seeking to understand how objectives could be met across the whole of Wales.

Negative

Whilst the overall aspiration of this option was supported, many thought it lacked focus and it was not clear what the spatial strategy would be. Rather than directing growth and the delivery of infrastructure, this option would create the conditions for bottom-up approaches to be developed but not provide certainty on where or how.

It was expressed that this option would be a missed opportunity to positively drive change from the national level. There was uncertainty about what the relationship would be between different tiers of the planning system. LDPs

were considered the most appropriate plan to plan for local areas. Climate change, economic prosperity, solutions to housing issues and tackling many of the issues Wales will face between now and 2040 will require big, national solutions. We should not be afraid of setting a clear national spatial strategy and this is the role of Government.

Rather than provide a strategy to consider how national issues could be addressed from the bottom-up, there were strong concerns that this option could become a NIMBY charter. A point made frequently was that those most likely to be involved in the planning process do not necessarily represent the wider community and that one of the key drivers for the introduction of the NDF, was the ability to consider and address issues at the national level.

Views were expressed that the understanding of the relationship between the planning system and the Well-being Act required careful consideration. Everywhere can't have everything and all goals cannot be met equally in all cases. The aspiration is welcome but this is not realistic and decisions have to be made. A spatial strategy and the development of a NDF should be about making important decisions in the right way.

Realistic

Given existing plans, strategies and Government commitments, it was considered that in the short term it would be difficult to move to this spatial approach. In light of this, the option and underlying assumptions have been amended to reflect that, particularly in the short term, large scale projects will be supported, and over the life of the NDF there may be a need for large, nationally scaled projects. The primary focus under this option will however, be clearly on locally-scaled solutions and ensuring that future strategic decisions start from a bottom-up perspective. With this amendment, this option was considered realistic.

Option 3

Alternative Option 3 – a spatial strategy to deliver decarbonisation and climate change objectives

Summary Overview

This option focuses on decarbonisation and climate change and makes our response to these issues the primary consideration for the NDF. There is overwhelming evidence supporting the need for urgent action on climate change. The planning system has a pivotal role in facilitating the transition to a low carbon society by ensuring decarbonisation is at the forefront of land use choices. Targets for renewable energy and greenhouse gas emissions and emerging carbon budgets will significantly shape this spatial strategy. This NDF focuses particularly on land use, the relationship between different uses and the connectivity between them. It places a strong emphasis on planning how our settlements will grow, interconnect and understanding the consequences that will arise from the choices we make and the opportunities arising from doing things differently.

Existing urban and rural patterns will be adapted to improve their sustainability. This NDF will support major changes to urban form and development patterns, including in existing areas, if they are required to meet objectives and contribute to the realisation of a low-carbon economy.

Why has this option been developed?

Across all the issues and discussion of potential spatial options for the NDF, the strongest consensus emerged around the importance of tasking the NDF with responding to climate change issues and supporting the decarbonisation agenda. It was suggested that this option has no plausible counter view to it (e.g. support carbonisation, worsen climate change issues) and as such must be considered across the NDF process. There was also a clear view that this option was not and should not be a negative option. It offered a positive opportunity to develop our society and economy in new ways and this should be embraced.

There was a belief that land-use planning principles were key and that the planning system should take the lead in 'planning' our future. Problems have been exacerbated by a lack of joined-up thinking, short-term goals and a failure to understand the interrelated consequences of many of our decisions.

This option has been developed and subject to further engagement in October 2017

Full Overview: How would this option help meet the objectives?

Cultural Assets

This NDF would focus on the location of new development, connectivity between uses and energy efficient, sustainable design. It would influence locational choices and require that new development is located in sustainable locations. As well as movement within and across towns and cities, this NDF will focus on the relationship between settlements and regions and would require that decisions are fully informed by their wider context. It would support cultural development that helped achieve our decarbonisation objectives.

Housing

This NDF would focus on the location of new development, connectivity between uses and energy efficient, zero carbon sustainable design. It would influence locational choices and require that new development is located in sustainable locations. As well as movement within and across towns and cities, this NDF will focus on the relationship between settlements and regions and would require that decisions are fully informed by their wider context. Housing will be provided in the context of wider social, economic, cultural and environmental uses and will be planned alongside these. Speculative and unplanned housing development will not be supported.

As a first principle, the NDF will seek to direct housing to areas that minimise the need to travel; and as a second principle, to areas where trips can be made by sustainable modes of transport. Actions to improve the efficiency of existing transport infrastructure will be supported. This NDF would support housing development in the most sustainable locations, which may be green and brownfield, with a focus on resource efficiency, quality and innovative design.

Climate change, decarbonisation and energy

This NDF will adopt a positive and proactive approach to increasing the generation of renewable and low carbon energy through a range of technologies and support innovation and growth in the renewables sector. The decarbonisation of energy and other sectors will be a key priority. The NDF will direct renewable energy generation to the most appropriate locations and provide a framework to support its delivery. As well as large scale projects, this alternative option will support regional and local scale energy projects, maximising the potential for sustainable projects at all levels. It will also provide flexibility to ensure that new emerging technologies and opportunities are supported.

The storage and transmission of energy will be planned for to support a modern and efficient energy sector. Actions to increase energy efficiency, in both new and existing developments will be supported. Land use patterns and the provision of new infrastructure will be shaped by the potential risks from climate change. This NDF will anticipate the risks from flooding; increases in temperatures; loss of habitats and vegetation; increasing urban heat islands; and harmful effects on ecosystems and ensure future development patterns consider, are shaped by and build resilience to these. There will be an acceptance that some areas will remain vulnerable to potential impacts and the consequences of this planned for. Coastal changes and the potential impacts upon cities, towns and communities will influence spatial choices.

The NDF will promote SUDs as an integral part of new development, encouraging water (including floodwater) to be a more normalised feature of the built environment through planned and managed schemes. Actions to increase energy efficiency, in both new and existing developments will be supported.

Broadband and digital infrastructure

This NDF would fully support the provision of new digital infrastructure, recognising the potential it offers to provide services in new ways, support new working practices and reduce the need to travel.

Economic prosperity and economic regeneration

This option will positively support sustainable low-carbon growth. Emerging opportunities in sectors helping deliver decarbonisation objectives will be strongly supported and the framework will support innovation, R&D and the development of new technologies. Green growth and the circular economy will be strongly supported.

This NDF would focus on the location of new development, connectivity between uses and energy efficient, sustainable design. It would influence locational choices and require that new development is located in sustainable locations. As well as movement within and across towns and cities, this NDF will focus on the relationship between settlements and regions and would require that decisions are fully informed by their wider context. Employment and regeneration initiatives will be provided in the context of wider social, economic, cultural and environmental uses and will be planned alongside these. Speculative and unplanned development will not be supported. Land use choices will reduce the need to travel and ensure connectivity and accessibility are key priorities. Major projects will be required to demonstrate their contribution to these objectives and that they have been planned to support the widest range of benefits. Choices on the location of strategic employment centres will be shaped by existing and proposed centres of

populations and sustainable transport networks. Poverty will be tackled by providing modern, high quality housing, addressing fuel poverty, supporting a transition to a prosperous, low-carbon economy and improving well-being for all in Wales.

Rural Wales

This NDF will seek to address housing, employment and connectivity (digital and transport) issues and sustain social infrastructure in rural areas. There will be support for community energy projects which can help subsidise local services and infrastructure. It would support locally focused communities, which reduce the need to travel and when trips are made, can be done so sustainably. It will require a clear focus on how growth, investment and new infrastructure is planned across the whole of Wales, to ensure that spatial choices support decarbonisation objectives in both rural and urban areas.

City Regions and Growth Deals

This NDF will support the development of connected, accessible and well planned city regions, which co-ordinate the delivery of growth and infrastructure in a manner that maximises positive outcomes. The delivery of regional transport infrastructure which supports decarbonisation objectives will be a priority and the NDF will provide a clear framework for their delivery. Key projects and infrastructure must be planned in the context of wider social, economic, cultural and environmental uses.

Transport

Land use choices will reduce the need to travel, ensuring that connectivity and accessibility are key priorities. Major projects will be required to demonstrate their contribution to meeting these objectives. This NDF will support actions and investment to decarbonise the transport sector and ensure the land use planning system at all levels is aligned to facilitate delivery. Walking, cycling, electrification and public transport are prioritised. Bus as well as rail services will be important. Major new road investment will be supported where it significantly reduces congestion; supports significant improvements in efficiency; and supports wider objectives including those in relation to air quality and the environment.

Airport expansion may be limited or offset. Investment supports improvements to external rail and sea links. Emerging technologies such as electric cars will be supported where they help decarbonise transport movements. As a first principle this NDF would seek to minimise the need to travel and as a second principle, ensure trips are made in the most sustainable manner.

Natural Resources

This NDF supports the core SMNR principles of improving efficiency, minimising the unsustainable use of resources, reducing pollution and delivering renewable energy. Alongside steps to reduce carbon emissions, this NDF will support actions to build resilience to climate change in our communities, businesses and natural environment. This NDF will support nature-based solutions to strengthen biological diversity, including the provision of green networks and infrastructure. The contribution of rural and upland areas towards water management will be of national importance and the NDF will provide a framework to facilitate appropriate management. This NDF will have strong support for the principles of the circular economy and resource efficiency. Solar, wind and other renewable energy development (including biomass) will be directed away from the best quality agricultural land to ensure this land remains in long term agricultural use.

Welsh Language

Welsh speaking communities will be supported and the consequences of planning decisions fully assessed and understood at the community level. This NDF will support all communities by identifying appropriate employment opportunities and planning the provision of new homes so that population change is carefully managed.

Health

This NDF will co-ordinate delivery of infrastructure to reduce the need to travel and provide digital ways of accessing services. Resilience measures for climate change provide opportunities to increase health and well-being including improved air and water quality. The reduction of fuel poverty will have a positive impact on people's health and well-being.

What are the key assumptions that support this option?

- Renewable and low carbon energy generation through a range of technologies is positively and proactively pursued and generation from fossil fuels phased out as far as is practicable.
- Renewable energy generation is directed to the most appropriate locations and the NDF facilitates its delivery, supported by smaller scale, community-based schemes distributed across Wales.
- Solar, wind and other renewable energy development (including biomass) will be directed away from the best quality agricultural land to ensure this land remains in long term agricultural use.

- There is a presumption in favour of actions to address climate change.
- There will be strong alignment between land use and transport planning at the national, regional and local levels.
- Energy efficiency is promoted strongly and energy storage and transmission infrastructure is proactively provided, aiming to both unlock renewables potential and to withstand future climate change.
- Strong focus on the location of new development, connectivity between uses and energy efficient, sustainable design. Locational choices require that new development is located in sustainable locations.
- Relationship between settlements and regions will be planned in the context of wider social, economic, cultural and environmental objectives and to support the delivery of decarbonisation aims.
- As a first principle, the NDF will seek to direct new development to areas that minimise the need to travel; and as a second principle, to areas where trips can be made by sustainable modes of transport. Actions to improve the efficiency of existing transport infrastructure will be supported.
- Spatial choices will be shaped by the location of main population centres and sustainable transport infrastructure. As well as reducing transport movements, reducing congestion and emissions will shape key decisions.
- Land use, major projects and infrastructure must be resilient to climate change impacts.
- Options for rail and bus connectivity are actively prioritised. Targeted road improvements are made to accommodate sustainable development. UK and international connections will be rail and sea based in preference to air. The sustainable movement of freight will be a priority considering rail, water and electric vehicles options.
- SUDS and sustainable flood management proposals are developed on a large scale. Infrastructure is provided to ensure a steady supply of water.
- Housing will be provided in the most sustainable and integrated locations, with access to jobs, services and facilities, and sustainable transport options central to the choices on new housing.

What would Wales in 2040 look like?

Cultural Assets

National projects have been developed in the most sustainable accessible locations, planned alongside other land uses.

Housing

Energy efficient, well designed housing has been planned and built to create sustainable, accessible communities.

Climate change, decarbonisation and energy

There has been an increase in the generation of renewable and low carbon energy across Wales through a range of technologies. There has been strong growth in the renewables and low carbon sectors. Sound planning has ensured key spatial choices have supported the delivery of national objectives and Wales is on its way to exceeding its 2050 decarbonisation targets.

Broadband and digital infrastructure

The planning system is aligned at all levels to support delivery quickly and facilitate new technologies as they emerge.

Economic prosperity and economic regeneration

There has been strong growth in renewable and low-carbon sectors, supporting a transition to a low-carbon society and an increase in prosperity for all parts of Wales. Wales is recognised as a world leader in these fields.

Rural Wales

Spatial choices have supported decarbonisation objectives in both rural and urban areas and supported the delivery of wider social, economic, environmental and cultural goals. Community energy schemes and improved digital and low carbon infrastructure have helped tackle depopulation.

City Regions and Growth Deals

Well planned regions and new infrastructure, have supported prosperous regions which have helped deliver climate change and decarbonisation objectives.

Transport

Strong alignment between national planning and transport strategies has resulted in well planned, sustainable and accessible communities across Wales and supported a switch to low carbon transport and public transport.

Natural Resources

SMNR principles have helped improve efficiency, minimise the unsustainable use of resources, reduce pollution and deliver renewable energy.

Welsh Language

Strong support and investment in local communities has ensured Welsh language objectives are being met.

Health

Delivery of well-planned and designed places with connected infrastructure, have improved air quality.

What did the October 2017 engagement say about this option?

Positive

There was little, if any, dissenting opinion on the importance of this option. The majority of discussions focussed on the actions required to deliver it, rather than whether it was appropriate.

There was recognition that this option offered a positive opportunity to support and grow the renewable energy and low-carbon sectors in Wales and for Wales to become a world leader.

There was a strong feeling that of all the options, this option is the one which the land use planning system is best placed to deliver. Where things are built, how things are built, how places will change and the co-ordination of different actors, are all integral to the planning system.

Negative

Rather than being contrary to the spirit of the option, the negatives that were raised focussed mainly on the challenges of delivering it.

It was considered a big, cultural shift was required to deliver this option. The planning system is too focussed on local issues and sites and not used to

delivering national, spatial goals. It is important that it is recognised this option will facilitate big, major projects and not just small-scaled actions.

Viability and cost implications are real and affect investment decisions. It needs to be recognised that some decisions may lead to less investment.

Some concern was expressed regarding the potential for different Government strategies to focus in different areas and unintentionally dilute the ability to deliver this objective.

Realistic

Given the strong buy-in from all sectors; the clear commitment from the Welsh Government to achieve climate change and decarbonisation targets; and the development of aligned decarbonisation, transport and planning strategies, it was considered this option is both realistic and deliverable. It was accepted that this option is not without its challenges but notwithstanding this, offers the potential for transformational change.

Option 4

Alternative Option 4 – a spatial strategy focused on the sustainable management of Wales’s natural resources

Summary Overview

This option focuses on the sustainable management of our natural resources. It recognises that unsustainable management will negatively impact upon future generations and provides a positive framework to help realise the social, economic, environmental and cultural value of our natural resources and ensure key ecological networks and habitats are adaptable and resilient to change. Through increasing resource efficiency and reducing pollution, this NDF will help build greater resilience into our ecosystems and biodiversity. Agriculture, forestry, renewable energy, water and tourism provide the opportunity to develop high quality jobs across the whole of Wales and secure long term economic sustainability.

This NDF would use baseline evidence to guide development to the most suitable locations, strongly prioritising natural resource implications in spatial decision-making. It will have a strong focus on how decisions are taken and the outcomes that should be achieved, using the NDF’s development plan status to firmly embed key principles into the decision making process at all levels.

Why has this option been developed?

The Environment (Wales) Act positions Wales as a low carbon, green economy, ready to adapt to the impacts of climate change. The Act is intended to help secure Wales’ long-term well-being, so that current and future generations benefit from a prosperous economy, a healthy and resilient environment and vibrant, cohesive communities. This option has been developed to test how the national spatial plan can support the delivery of the requirements of the Environment Act.

This option has been developed and subject to further engagement in October 2017

Full Overview: How would this option help meet the objectives?

Cultural Assets

This NDF would recognise that our natural environment and landscapes, both urban and rural, can provide a strong sense of place, inspiration and belonging, and contribute to the distinctive cultural identity of Wales. It would seek to protect and enhance our landscapes and natural resources for the multiple well-being benefits they provide, including for tourism, outdoor recreation, local employment and physical and mental health. It would particularly support landscapes, and local facilities such as parks, playgrounds and other green spaces, that represent both cultural and ecological assets. Development that undermined the integrity of our landscapes or natural resources would be strongly resisted and would be directed towards less culturally sensitive locations.

Housing

This NDF would focus on the location of new development in terms of its relationship to ecological networks, and the need to create attractive and healthy environments for people to live in. It would direct housing away from areas likely to have a significant impact on ecological networks and flooding issues and towards locations that reduce the need to travel. New housing development would embrace the multiple benefits that green infrastructure can provide for health and well-being, and would support the creation of and promote access to open space and wider ecological networks.

Climate change, decarbonisation and energy

This alternative would prioritise adaptability to change for both people and species. Networks of green and natural spaces would be enhanced and protected in order to help adapt to climate change. This NDF will anticipate the risks from flooding, air quality, increases in temperatures, loss of habitats and vegetation, increasing urban heat islands and harmful effects on ecosystems and ensure future development patterns consider, are shaped by and build resilience to these.

Habitats vulnerable to development pressure including floodplains, woodlands and urban green infrastructure would be prioritised for proactive and preventative action. Actions would include steps to safeguard and encourage urban tree coverage, avoid the fragmentation of floodplains through development, secure sustainable drainage systems, ensure water sensitive design and deliver appropriate soil carbon management. This option would strongly support greater energy efficiency and realising the opportunities across Wales to generate renewable energy.

Broadband and digital infrastructure

This NDF would support the provision of new digital infrastructure, recognising the potential it offers to provide services in new ways; support new working practices and reduce the need to travel; and support our aspirations for lower carbon living.

Economic prosperity and economic regeneration

This NDF would recognise that Wales' abundance of natural resources is one of our greatest economic assets, underpinning our vibrant tourism and leisure sector, agricultural industry, and world-class home grown food and drink sector. This NDF would realise the economic opportunities of Wales' natural resources (alongside other resources), while building their resilience to create an environment which will nurture the businesses of the future. Economic development would be directed away from areas where there was the potential for conflict with important ecological networks, and new development would incorporate green infrastructure and support the creation of wider ecological networks. Opportunities for green growth and realising economic opportunities from the sustainable management of resources would be supported. Poverty will be addressed by ensuring local communities benefit from Wales's natural resources and by supporting positive energy, housing and economic development.

Rural Wales

This NDF would focus on maintaining and supporting our natural resources as the bedrock of our rural economy, particularly our agricultural and tourism sectors. Maintaining healthy and resilient ecosystems and distinctive local landscapes will be important for supporting rural Welsh communities' sense of place and identity. The focus would be to support nature-based solutions that harness the multiple benefits of our natural resources to support the economy and culture of rural communities, and to ensure that ecological networks are managed to support the delivery of cultural, economic, social and environmental objectives. It would support development in rural areas that helped achieve ecological and resilience objectives and seek to resist development that could undermine the integrity of key networks.

City Regions and Growth Deals

This NDF will recognise that green spaces and networks are vital if our city regions are to be attractive places to live and work. It would support the development of ecological networks including green infrastructure across well planned city regions. The provision of infrastructure and new development will be planned to respond to the impacts of climate change and support the

protection and enhancement of ecological networks and the sustainable management of natural resources. It will support a greater regional understanding of issues, such as for example river catchments, and ensure decisions are planned and taken in the fullest regional context.

Transport

This NDF would prioritise development locations that reduce the need to travel, and would focus on the role of public transport and interventions that encourage the reduction of air pollution. New transport infrastructure would incorporate green infrastructure and be designed to create green corridors and wider ecological networks, and would be located to avoid fragmenting habitats or adversely impacting air or water quality.

Natural Resources

The principles of SMNR would shape this NDF, helping deliver key benefits for health and well-being, resource efficiency and security, economic prosperity and community identity, through prioritising the fundamental role that our natural resources play in supporting these and a wide range of other beneficial outcomes. This option will work closely with the Natural Resources Policy. It would also focus on improving the resilience of ecosystems, including their diversity, connectivity, scale, condition and adaptability. Environmental enhancement would be prioritised, and the creation of habitats and networks to allow ecological resilience would be actively progressed. Solar, wind and other renewable energy development (including biomass) will be directed away from the best quality agricultural land to ensure this land remains in long term agricultural use. Improving air quality will be a key priority.

Welsh Language

Welsh speaking communities will be supported and the consequences of planning decisions fully assessed and understood at the community level. This NDF will support all communities by identifying appropriate employment opportunities and planning the provision of new homes so that population change is carefully managed.

Health

This NDF would recognise that our natural environment and landscapes, both urban and rural, can provide a strong sense of place, inspiration and belonging. It would seek to protect and enhance our landscapes and natural resources for the multiple well-being benefits they provide, including reducing pollution, increasing access to natural green spaces, benefitting physical and

mental health. Increasing prosperity through green growth will help to reduce inequality in health.

What are the key assumptions that support this option?

- Principles of SMNR as a key driver of this alternative and are firmly embedded in the planning system through the NDF.
- Agriculture, forestry, renewable energy, water and tourism are strongly supported.
- Solar, wind and other renewable energy development (including biomass) will be directed away from the best quality agricultural land to ensure this land remains in long term agricultural use.
- Strong links with the Wales Marine Plan and Natural Resources Policy provide a coherent framework for all activity in Wales and provide the focus for considering the environmental effects of development and the assessment of reasonable alternatives.
- Other policy and regulatory areas are aligned, respecting spatial constraints and pursuing sustainable development opportunities.
- All land (including urban) is considered a natural resource capable of supporting biodiversity and integration of green infrastructure, or nature based solutions, to enhance biodiversity and ecosystem resilience, will be an expectation of development.
- Increasing the extent of innovative green networks and high quality and biodiverse habitats, particularly in city regions, will help foster our connection with nature.
- SUDS and sustainable flood management will be prioritised. Infrastructure is provided to ensure a steady supply of water. River catchments are a key consideration in plan making and decisions.
- Natural green spaces are safeguarded and enhanced including alongside key transport routes to form green networks and across city regions. Green networks take on new spatial forms, including approaches following linear patterns and linking with natural biodiversity networks.
- Green networks seek to deliver strategic benefits for habitat continuity and species movement.

- Impacts on biodiversity, landscapes, water bodies and soil are avoided, mitigated and adapted. Species populations and their habitats will be enhanced.
- Renewable & low carbon energy generation through a range of technologies is positively and proactively pursued and generation from fossil fuels phased out as far as is practicable.
- Renewable energy generation is directed to the most appropriate locations and the NDF facilitates its delivery, supported by smaller scale, community-based schemes distributed throughout the country.
- Energy efficiency is promoted strongly and energy storage and transmission infrastructure is proactively provided, aiming to both unlock renewables potential and to withstand future climate change.
- Presumption in favour of actions to address climate change.

What would Wales in 2040 look like?

Cultural Assets

National projects have been developed based on Wales' distinctive landscape and natural environment.

Housing

Housing has been built across Wales, in locations that maximise the multiple benefits of Wales' natural resources, supporting health and well-being objectives and with no significant impacts on important ecological areas.

Climate change, decarbonisation and energy

Wales has planned for and adapted to climate change risks, ensuring resilience across Wales. There has been an increase in the generation of renewable and low carbon energy.

Broadband and digital infrastructure

The planning system is aligned at all levels to support delivery quickly and facilitate new technologies as they emerge.

Economic prosperity and economic regeneration

There has been strong growth in agriculture, forestry, renewable energy, water

and tourism, supporting a transition to a low-carbon society. Wales is recognised as a world leader in these fields.

Rural Wales

Rural areas are prosperous, healthy and resilient having benefited from growth and investment in maintaining and supporting our natural resources.

City Regions and Growth Deals

City regions, planned around green infrastructure and natural resources, are attractive, healthy and prosperous. They are exemplars of how growth has been shaped to deliver our well-being objectives.

Transport

Transport solutions have delivered new green networks, supporting health and ecological goals and the sustainable movement of people.

Natural Resources

Wales leads the world in realising the multiple benefits of its natural resources.

Welsh Language

Strong support and investment in local communities has ensured Welsh language objectives are being met

Health

Delivery of high quality places with sustainable access to facilities and services. Improved access to nature and a reduction in pollution.

What did the October 2017 engagement say about this option?

Positive

This option was considered to be the most distinctive option. Distinctive in the sense of being a new and different approach to spatial planning and distinctive in the sense that a spatial strategy developed around Wales's natural resources, would be uniquely Welsh.

This option was believed to advocate a better measure of 'prosperity'. Rather than being purely economically driven, it seeks to realise wider values. There was strong support for tourism and recognising the importance of this to Wales.

It was expressed that in uncertain times, with the changes that will follow Brexit over the medium term (and maybe longer), focussing on the resources we have in Wales is a sensible approach.

Some suggested that all land, including urban areas, is a natural resource and this option was therefore applicable to the whole of Wales. Others believed this option very strong for parts of Wales. For Mid and rural Wales in particular, a focus on natural resources would be positive and the basis of investment and action.

Negative

There was a strong feeling that this option was not the basis of a national spatial strategy. It had a focus for parts of Wales, but not the whole of Wales and would potentially be silent on some of the most pressing issues Wales faces. Whilst there were many positive ideas, this option represents a generalised ideal. It does not outline how the positives would be realised and cannot reconcile itself to wider issues.

Other options were considered to provide a strong focus on a particular set of objectives or outcomes. This option was considered strong in some areas and weak in others and it was considered this uncertainty would be unhelpful in a national strategy.

There was a belief that this option would put a brake on the economy and be used to prevent development that didn't fit with its narrow focus. Views were expressed that this option and the principles behind it were well intentioned but representative of a narrow outlook, which did not reflect the reality of Welsh life. There were also concerns that it was too inward looking and did not seek to place Wales in a wider national and international context.

Realistic

This option was considered less immediately tangible than the others. It represents a different way of thinking spatially and raises different questions. Many felt that the core principles should be taken forward but as part of a wider spatial strategy. Others that it was unreasonable to discount this approach at the outset of the process, on the basis that not all the answers were known. Testing, assessment and refinement are the purpose of this stage and this option should be explored and developed further.

Despite the concerns raised, the view that it is premature to conclude this option is unrealistic at this stage is agreed with. There was general consensus that many of the key assumptions should feature in the emerging strategy and much of the difference in opinion was around whether this should be to a greater or lesser extent rather than they should not be considered at all.

Benchmark Option

Benchmark Option - Do Not Prepare the NDF

Summary Overview and why has this option been developed?

This alternative option would involve not preparing a NDF. The existing Wales Spatial Plan would remain the national spatial plan. The WSP does not have development plan status.

The Planning (Wales) Act requires the preparation of a NDF. This option is therefore not realistic.

It does however provide the opportunity to consider what would happen if a NDF were not prepared and how national strategic planning decisions would be taken. It provides an important benchmark against which to understand the other potential options.

The WSP remains an important strategic plan and much of the key policy approaches remain valid. One of its key weaknesses is its lack of development plan status and an ability to influence decision making. This situation would remain. The ability of the planning system to respond to the requirements of the Environment Act, Well-being of Future Generations Act and the Welsh Government's decarbonisation objectives would be restricted to actions at the local level and without an overarching strategic view.

Full Overview: how would this option help meet the objectives?

Cultural Assets

Culture would be promoted at community and local levels. There is recognition of links to economic prosperity but overall this would not be a priority area.

Housing

Climate change would be an urgent issue and major development would be determined in the context of its impact upon climate change objectives. Ensuring resilience to sea level rises would be important, reducing risks to both people and property.

Climate change, decarbonisation and energy

Actions at the local level would be required to ensure all development contributed to climate change objectives, with support for example, for active travel and greening spaces initiatives. Energy policy would reflect national policies (e.g. decarbonisation and energy targets) and would be based on a regional approach, with regions expected to utilise their strengths and competitive advantages.

Broadband and digital infrastructure

Broadband coverage would be viewed as a regional issue, with challenges such as 'not spots' a matter for regions to address themselves. High speed broadband would be a priority for areas of high value economic activity. Government intervention would be re-active, addressing issues unable to be addressed by the market.

Economic prosperity and economic regeneration

Regeneration would be a key tool to improving prosperity across Wales. Projects would be regional in scale with the Welsh Government playing a key role in identifying project areas, drivers and setting ambitions for future outcomes. Maximising existing regional strengths is central to economic prosperity objectives and actions at regional and local levels are the primary lever in helping reduce inequality and deliver prosperity to all.

Rural Wales

There would be a very strong focus on rural areas. Delivering accessible community facilities and services to rural areas would be a key priority. European and Government funds will be made available to help achieve this. Transport and jobs are also key issues in helping maintain vibrant rural life and there would be strong support for actions in these areas.

City Regions and Growth Deals

The development of city-regions to drive economic prosperity, around Cardiff, Swansea and in the north east would be supported. Each city region has distinct strengths and these will form the basis of efforts to develop strong regional economies. The regional approach outlined in the WSP for other areas of Wales would be supported.

Transport

Day to day transport issues will be addressed through a bottom-up approach. Issues across an area will be brought together to identify regional priorities and regional issues brought together to identify national priorities. Transport investment is seen as a key tool in supporting regeneration and economic objectives.

Natural Resources

Natural resources are considered from a local perspective. They are local assets which help determine the nature and scale of development appropriate in an area. There is no overriding national policy or approach other than the need to ensure they are used in a sustainable way.

Welsh Language

There is support for a modern bilingual society, where the Welsh language is a community attribute. Planning will help provide spaces for community life to flourish. There is no strong alignment between language and prosperity.

Health

Building sustainable communities through tackling inequality, improving health and eradicating child poverty. Creating and sustaining the right set of services and locating the services within or close to key settlements, accessible by public transport.

Relationship with SDPs/LDPS

The position would remain as it currently stands, with SDPs and LDPs having to have regard to the WSP but with a limited relationship in practice. Strategic development plans would be left to define their own strategic objectives in the absence of an all-Wales context. Issues in relation to renewable energy, depopulation and uneven housing development would be dealt with through LDPs in those areas not covered by a SDP (or where an SDP has not yet been prepared).

What are the key assumptions that support this option?

- No national development plan.

- The local development planning system would be the primary tier of plan making and decision taking. In time in parts of Wales, SDPs may be prepared.
- Current trends will continue and progress towards key Welsh Government targets and objectives would remain on their current trajectories.
- Spatially, the national planning policy position would not be changed to reflect the requirements of the Environment and WCFG Acts.
- Regeneration and rural areas will be a major focus.
- Broadband is a relatively minor consideration.
- Housing would be viewed in isolation and not linked to wider objectives.
- Transport objectives would be linked in part to prosperity objectives but not seen as a central component in the delivery of wider objectives.
- Natural resources and energy would be viewed as regional matters, with no national perspective and no priority status.
- Climate change would be a central and priority issue.

Annexe 3

Attendees at Engagement Events

Date	Location	Organisations / bodies represented
6 October	Cardiff	Institution of Chartered Engineers Wales Royal Institution of Chartered Surveyors Wales
9 October	Cardiff	Bridgend County Borough Council Cardiff University Dŵr Cymru Herefordshire County Council Innogy Ltd Lichfields and Partners Data Unit Wales Natural Resources Wales Planning and Environment Bar Association Planning Inspectorate Prospero Planning Ltd St Fagans Community Council The Victorian Society Vale of Glamorgan County Council Watts and Morgan
12 October	Carmarthen	Carmarthenshire County Council Ceredigion County Council Pembrokeshire Coast National Park Authority Pembrokeshire County Council Planning Inspectorate Swansea City Council
13 October	Llandrindod	British Holiday and Home Parks Association Calon Cymru Network Mineral Products Association Natural Resources Wales Powys County Council Public Health Wales RTPI Cymru
17 October	Cardiff	Barratt Homes Ltd Barton Willmore Ltd Blaenau Gwent County Borough Council Caerphilly County Borough Council Cardiff Capital Region City Deal Cardiff City Council Cardiff University Design Commission for Wales Environmental Public Health Service Wales Federation of Master Builders Future Generations Commission Home Builders Federation

		<p>Natural Resources Wales Newport City Council Planning Inspectorate Redrow Limited Rhondda Cynon Taf County Borough Council RSPB RTPI Cymru Sport Wales Sustrans Torfaen County Borough Council Vale of Glamorgan County Council Welsh Local Government Association Wildlife Trusts Wales</p>
19 October	Llandudno Junction	<p>Abergele Town Council Bay of Colwyn Town Council Cadnant Planning Ltd Campaign for the Protection of Rural Wales Denbighshire County Council Lambe Planning and Design Ltd Wales Environment Link Wrexham County Council</p>
20 October	Llandudno Junction	<p>Association of Local Government Archaeological Officers Cadnant Planning Ltd Campaign for the Protection of Rural Wales Conwy County Borough Council Growing Mid Wales Partnership Meyrick Estates Management Ltd Natural Resources Wales SP Energy Networks</p>
9 November	Llandudno Junction	<p>Institution of Chartered Engineers Wales Cymru Royal Institution of Chartered Surveyors Wales</p>

Annexe 4

Pre-Event Pack for Attendees

1 Introduction

This pack supports the National Development Framework (NDF) Engagement Events being held by the Welsh Government in October 2017. This pack contains information on the NDF and work done to date. We ask that you consider the information here **in advance of the event**, as we will not be covering it in detail on the day.

These events are the second round of engagement activities that have been undertaken in the development of the NDF and we welcome contributions from all. A record of the first round of engagement can be viewed at:-

<http://gov.wales/topics/planning/national-development-framework-for-wales/statement-of-public-participation/engagement-events/?lang=en>

2 What is the NDF?

The NDF will be a 20 year national development plan. It will replace the current Wales Spatial Plan on publication in September 2020. The role of the NDF is to:-

- set out where nationally important growth and infrastructure is needed and how the planning system - nationally, regionally and locally - can deliver it;
- provide direction for Strategic and Local Development Plans and support the determination of Developments of National Significance;
- sit alongside Planning Policy Wales, which sets out the Welsh Government's planning policies and provides the context for land use planning; and
- support national economic, transport, environmental, housing, energy and cultural strategies and ensure they can be delivered through the planning system.

3 What is the timetable for preparing the NDF?

The timetable and process for the preparation of the NDF is set out in the Statement of Public Participation. This also contains information on how we will engage with people. It can be viewed here:-

<http://gov.wales/topics/planning/national-development-framework-for-wales/statement-of-public-participation/?lang=en>

4 Why are we engaging at this stage?

The development of the NDF is shaped by the 'five ways of working' enshrined in the Well-being of Future Generations Act. Early engagement helps involve people and helps us understand how we can collaborate with others and integrate our actions to deliver common objectives. Before the formal consultation on the Draft NDF Spatial Strategy in April 2018, we wish to involve people and give you the opportunity to contribute to:

1. the development of the NDF Objectives; and
2. the development of the spatial options for the NDF.

5 How would we like you to contribute at this stage?

In April 2018, the Welsh Government will be undertaking a 12 week formal public consultation on the objectives for the NDF and the spatial options we have tested and considered to meet these objectives. We will identify our preferred spatial option. As we develop the objectives and the spatial options, we would like to involve you and seek your views at this early stage. This will ensure the emerging work is strengthened by the expertise and views of a wide range of people.

This engagement is not intended to be formal and we welcome all contributions. This engagement has been shaped by the feedback we received from our earlier events where people told us that:-

- they preferred shorter events;
- they wished to have information before events to allow them to better understand what was happening and prepare;
- they like to make a contribution on the day; and
- they like to have the opportunity to make a contribution after the event, once they have had time to reflect on the issues discussed.

Before the Engagement Event

Please read this briefing note and consider the 4 questions set out below. Appendix 1 sets out the first draft of the NDF Objectives and Spatial Options. The event will focus on **Spatial Options 1 to 4 only** and in relation to each option, we will consider:-

1. How realistic is the option?
2. How could it be shaped to maximise the positive outcomes that it seeks to achieve?

3. What would be the potential negative outcomes of such an approach?
4. What is the role of the National Development Framework in delivering the outcomes this option seeks to achieve?

Comments on Spatial Option 5 and the Draft Objectives will be welcomed in writing after the event.

At the Engagement Event

We will explain the key contextual evidence that will shape the NDF. We will then discuss Draft Spatial Options 1, 2, 3 and 4. The Draft Options consider alternative strategic approaches for the NDF. They consider what the future could be like, and what the planning system would do, in different scenarios. Our discussions will aim to identify strengths and weaknesses of each option. Identifying different approaches and testing the outcomes of different options is an important part of the plan making process. It helps identify the potential positive, negative and neutral outcomes from different spatial approaches and underpins the plan making process.

After the Engagement Event

Appendix 2 contains a proforma on which you can submit additional comments to us. These comments can be on the Draft NDF Objectives, the five Draft Spatial Options and/or you can suggest other alternative spatial options.

We will require your comments within one week of the event and will only accept comments submitted on a completed proforma. This engagement is informal, seeking to hear from a wide range of participants and to use their views to help shape the emerging NDF Spatial Strategy. There will be opportunities for more formal submissions, including supporting information, during the public consultation in April 2018.

6 How will the contributions made at the event be used?

A record of the engagement events will be prepared, summarising the comments made to us. This record will form part of the NDF evidence base and will directly inform the preparation of the NDF Objectives and Spatial Options. The Spatial Options will be tested using the Integrated Sustainability Appraisal (ISA) for the NDF and through an iterative process, we will develop a preferred spatial option which will be consulted on in April 2018.

7 Will there be further opportunities to be involved?

Yes. There will be future engagement events and formal consultations.

8 Where can I get more information on the NDF?

The Welsh Government website is the best source of information <http://gov.wales>.

The NDF team can be contacted at:-

Telephone: 0300 025 3744 or 0300 025 6657

Email: ndf@gov.wales

The best way to stay informed on the progress of the NDF is to sign up to our newsletter via our website.

Draft NDF Objectives and Spatial Options

In April 2018, we will be consulting on the **Issues, Options and Preferred Option** for the NDF. This is a summary of the draft objectives for the NDF and different options for the purpose of conducting engagement with stakeholders

NDF Objectives		
1	Cultural assets	Protect and enhance existing national assets and facilitate new cultural development.
2	Housing	Strategic direction for social and private housing, of a good quality and connected with infrastructure.
3	Climate change, decarbonisation and energy	Respond to the impacts of climate change, facilitate decarbonisation and support the delivery of renewable and low carbon energy.
4	Broadband and digital infrastructure	Facilitate infrastructure across the whole of Wales, now and in the future.
5	Economic prosperity and regeneration	Support innovation and technological advancement. Plan economic development around infrastructure and population. Support specialisations, clustering and distinctive regions.
6	Rural Wales	Support actions that strengthen communities by attracting and retaining people. Respond to the challenges and opportunities in agriculture.
7	City Regions	Support the delivery of City Deals in South East Wales, South West Wales and North Wales.
8	Transport	Reduce the need to travel. Facilitate the delivery of key transport infrastructure, including the electrification of the rail network, metro, Cardiff Airport and key ports.
9	Sustainable management of natural resources	Deliver the sustainable management of our natural resources. Strengthen the resilience of designated sites, habitats and biodiversity. Support the principles of nature-based solutions, the circular economy and green growth.
10	Welsh Language	Help create the conditions to achieve 1 million Welsh speakers.

There are five proposed **alternative options**:

- Alternative 1 - Market Driven Focus
- Alternative 2 - Community Focus
- Alternative 3 - Decarbonisation Focus
- Alternative 4 - Natural Resources Resilience Focus
- Alternative 5 - Do Not Prepare the NDF

There is a summary of each option below.

Draft Spatial Alternative Options

Identifying and testing alternative options is an integral part of the policy development process. The 5 options below have been developed to begin this process and enable us to engage with people during October 2017. The options have emerged from the engagement and evidence work undertaken to date and we will explain during the event, the context to each option.

Each option considers an alternative approach, focusing on different themes and identifying how the NDF could provide a framework to support different land-use approaches. The purpose of this stage of the process is not to pick a winning option from those presented. Rather, it is to help us develop a range of aspirational, realistic and deliverable options. It is likely that each option has strong elements that will help us deliver our aim of sustainable development but also potential negative outcomes. This is OK.

Once we have completed the engagement on the options and refined them to reflect the comments and feedback received, they will be tested through the Integrated Sustainability Appraisal (ISA) to assess their effects on our objectives and the environment. The outcomes of this testing, will help us develop new spatial options. This iterative process will lead to the identification of a Preferred Option for the NDF for consultation in April 2018.

Alternative 1 – Market Driven Focus

Overview

Growth and development of the economy is the overriding priority. The markets are trusted to tackle challenges and there is a need to ensure business is responsive, able to develop new solutions and approaches and is not constrained by the planning system. It facilitates development and maximises the delivery of economic opportunities, including Developments of National Significance (DNS).

The NDF actively seeks to support the delivery of cross-government aims, such as deprivation, regeneration, physical and mental health, by facilitating economic growth.

Key Assumptions

- Identification of DNS for key development projects and infrastructure.
- Significant levels of investment in transport, energy and digital infrastructure.
- Cities and their regions are viewed as the primary economic drivers.
- Higher rates of housing and economic development, with greenfield land released.
- Planning controls and some environmental regimes are relaxed.
- Internal and external connectivity is actively improved, including enhanced air, sea, road and high speed rail links to England and beyond.
- The private sector leads investment in energy sector and waste.

Alternative 2 – Community Focus

Overview

This is driven by the creation of strong, local communities. The focus is on ensuring everyone has access to the jobs, housing, services and facilities they need. The interests of those in greatest need are prioritised for action and there is a strong emphasis on people and their well-being. Access to services and facilities, social inclusion and health improvement would be key considerations.

Key Assumptions

- Improving health and well-being are key, with air quality improvements targeted.
- Regeneration and tackling deprivation are a key focus, with economic development focussed on areas of greatest need.
- Local, affordable housing will be supported, with strong support for local and self build housing.
- Accessibility is central to decision making and locational choices must maximise accessibility to all members of society.
- The NDF emphasises digital connectivity.
- Community owned renewable energy schemes are prioritised.
- Strong support for principles of circular economy and waste as a resource.
- Sustainable settlement patterns – homes close to jobs and key services and facilities, reducing the need to travel and ensuring sustainable land-use patterns.

Alternative 3 – Decarbonisation Focus

Overview

Decarbonisation and climate change are the primary considerations. Decisions made through the planning system are informed by the need to decarbonise and mitigate the impacts of climate change. Targets for renewable energy and emissions will significantly shape this option. Existing urban and rural patterns will be adapted to improve their sustainability. Programmes to adapt existing buildings and urban fabric, such as energy efficiency programmes, will be fully supported. There may be constraints placed on actions and we accept that achieving long term benefits will require difficult choices.

Key Assumptions

- Development must be resilient to climate change impacts.
- Economic objectives will not outweigh the delivery of decarbonisation and climate change objectives.
- Reducing transport movements, congestion and emissions influences key decisions.
- Reuse of brownfield sites will be prioritised.
- Rail connectivity is actively prioritised. UK and international connections will be rail and sea based.
- Renewable and low carbon energy generation is actively pursued and fossil fuels phased out. Areas for renewable energy developments are identified.
- Energy efficiency is promoted strongly, as is energy storage and transmission infrastructure.
- Sustainable flood management proposals are developed on a large scale.

Alternative 4 – Natural Resource Resilience Focus

Overview

Building the resilience of our natural resources is the primary policy driver. The importance of habitats and ecological networks would be strongly emphasised. The NDF would guide development to the most suitable locations, strongly prioritising natural resource implications in spatial decision-making. The NDF will establish a spatial framework for new green infrastructure.

Key Assumptions

- Principles of SMNR are a key driver of this alternative.
- Strengthening natural resources resilience will be sought as a key outcome in all land use decisions.
- The extent of coverage of habitats and green networks will increase.
- Impacts on biodiversity, landscapes, water bodies and soil are mitigated and adapted.
- Sustainable flood management will be prioritised.
- Innovative green networks will be developed in the city regions, delivering benefits for habitat continuity and species movement.
- Green networks are formed alongside key transport routes.
- Species populations and their habitats will be enhanced.
- There is a presumption in favour of actions to address climate change.

Alternative 5 - Do Not Prepare the NDF

Overview

This alternative would involve not preparing a NDF. The existing Wales Spatial Plan would remain the national spatial plan, though it does not have development plan status. The ability of the planning system to respond to the requirements of the Environment Act, Well-being of Future Generations Act and the Welsh Government's decarbonisation objectives would be restricted to actions at the local level and without an overarching strategic view.

Key Assumptions

- No national development plan.
- The local development planning system would be the primary tier of plan making and decision taking. In time in parts of Wales, SDPs may be prepared.
- Current trends will continue and progress towards key Welsh Government targets and objectives would remain on their current trajectories.
- Climate change would be a central and priority issue.
- Regeneration and rural areas will be a major focus, but broadband is a relatively minor consideration.
- Housing would be viewed in isolation and not linked to wider objectives.
- Transport objectives would be linked to prosperity objectives but not seen as a central component in the delivery of wider objectives.
- Natural resources and energy would be viewed as regional matters, with no national perspective and no priority status.

Response Pro-forma

NDF Engagement Event October 2017 – Response Proforma	
Name	
Organisation	
Session Attended	
Comments on Draft Objectives	
Objective 1	
Objective 2	
Objective 3	
Objective 4	
Objective 5	
Objective 6	
Objective 7	
Objective 8	
Objective 9	
Objective 10	
Other Comments	
Comments on Draft Spatial Options	
Option 1 – Market Driven Focus	
Option 2 – Community Focus	
Option 3 – Decarbonisation Focus	
Option 4 – Natural Resources Resilience Focus	
Option 5 – Do Not Prepare the NDF	
Suggestions for Alternative Spatial Options	
Any Other Comments	

Annex 5

Engagement Event Presentation Slides



Llywodraeth Cymru
Welsh Government

www.gov.wales

National Development Framework
NDF Future Trends & Context
October 2017

NDF Future Trends & Context

- Purpose of this Event
- Overview of the NDF
- Presentation
 - Part 1 – Future Trends
 - Part 2 – Context for NDF
- Discussion Alternative Spatial Options

Purpose of this Event

- Update on where we are
- Involve you in developing NDF Objectives & Alternative Spatial Options
- Objectives – what we want the NDF to do
- Alternative Spatial Options – different approaches the NDF can take to deliver objectives
- Direct line from previous engagement to here

Overview of the NDF

- 20 year national development plan
- Replaces the Wales Spatial Plan
- National spatial planning policy
- National projects
- Context for DNS
- Guide SDPs & LDPS

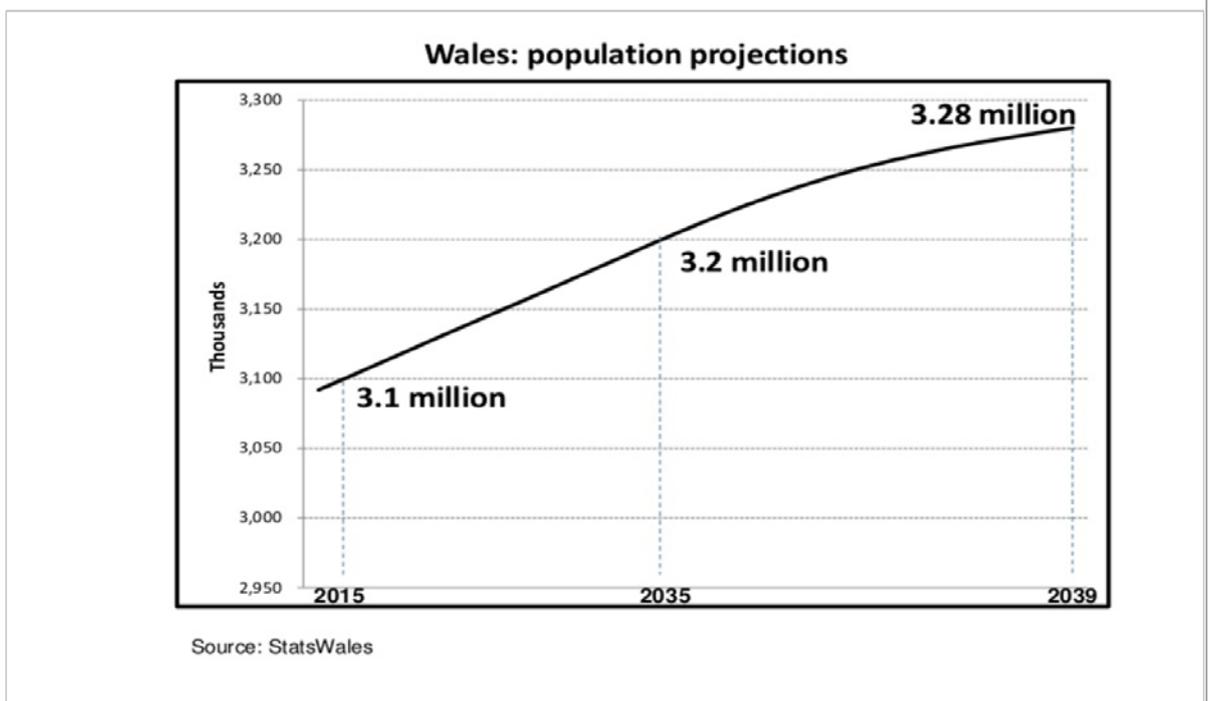
Part 1 – Future Trends

- Key future social, economic, environmental & cultural trends
- Change the way we take decisions & plan for future
- 6 themes
 - Population
 - Health
 - Economy & Infrastructure
 - Climate Change
 - Land Use & Natural Resources
 - Society & Culture



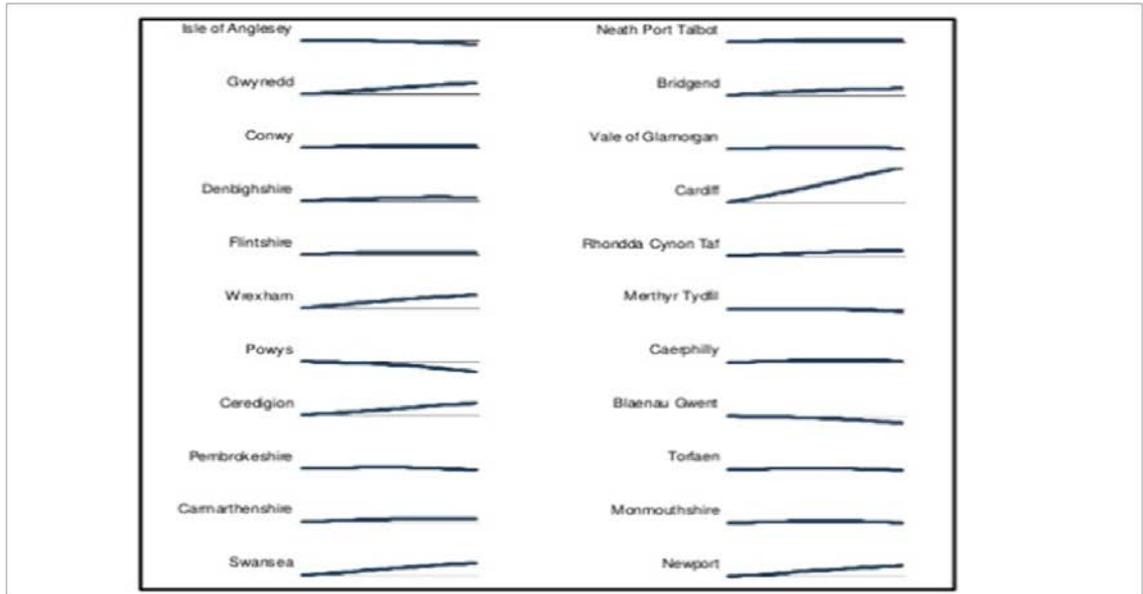
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Future Trends - Population



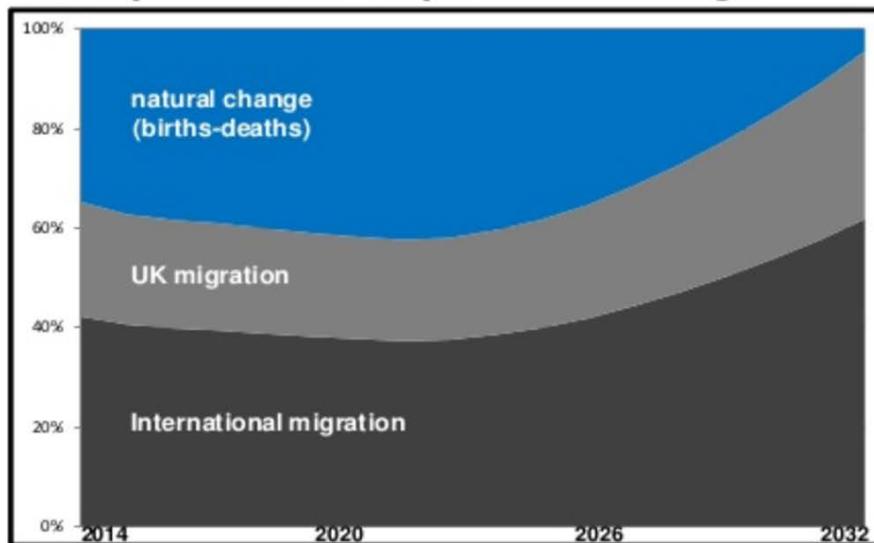
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Future Trends - Population



Future Trends - Population

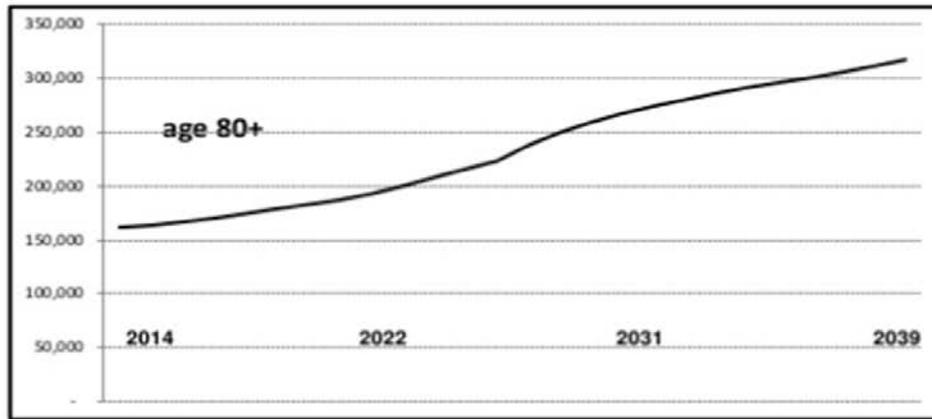
Components of Population Change



Source: StatsWales

Future Trends - Population

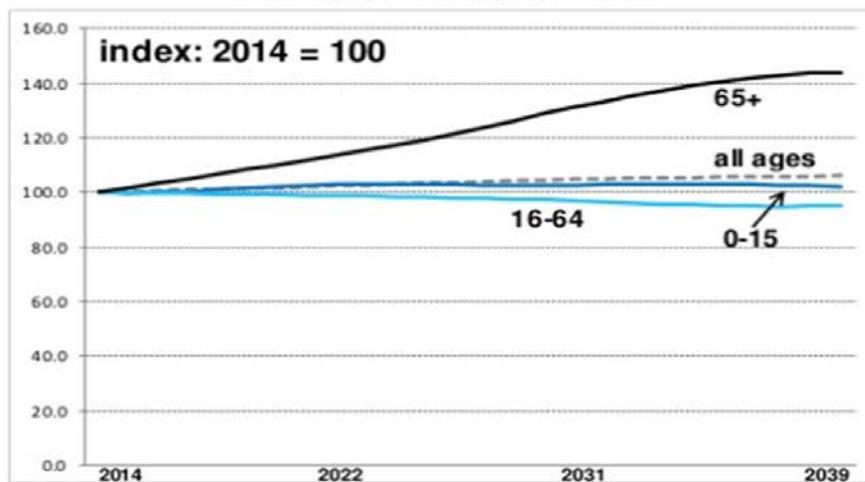
Wales: population projections for people aged 80 and over



Source: StatsWales

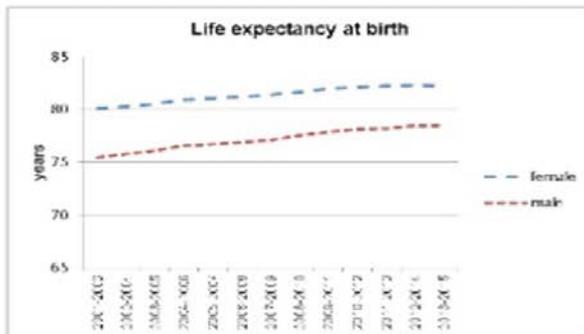
Future Trends - Health

Wales: population projections



Source: StatsWales

Future Trends - Health



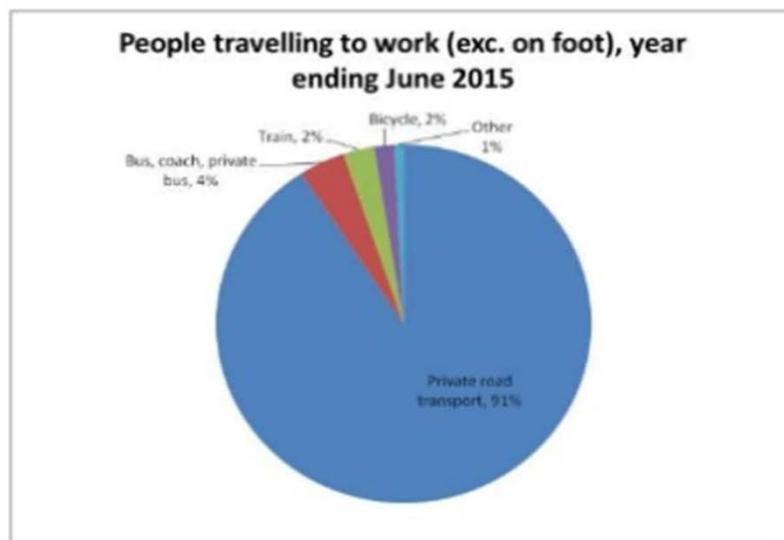
Source: Office for National Statistics (ONS)
<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthandlifeexpectancies/bulletins/healthstatelifeexpectanciesuk/2013to2015>

	males		females	
	2003/05	2013/15	2003/05	2013/15
Wales life expectancy at birth (years)	76.1	78.4	80.5	82.3
Difference in life expectancy between Wales and UK (years)	-0.4	-0.7	-0.4	-0.6
Difference in life expectancy between Wales and EU (27/28) (years)	0.9	0.3	-1.0	-1.3

Source: ONS (Wales and UK), Eurostat (EU)
<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthandlifeexpectancies/bulletins/healthstatelifeexpectanciesuk/2013to2015>
http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=h1th_hye&lang=en

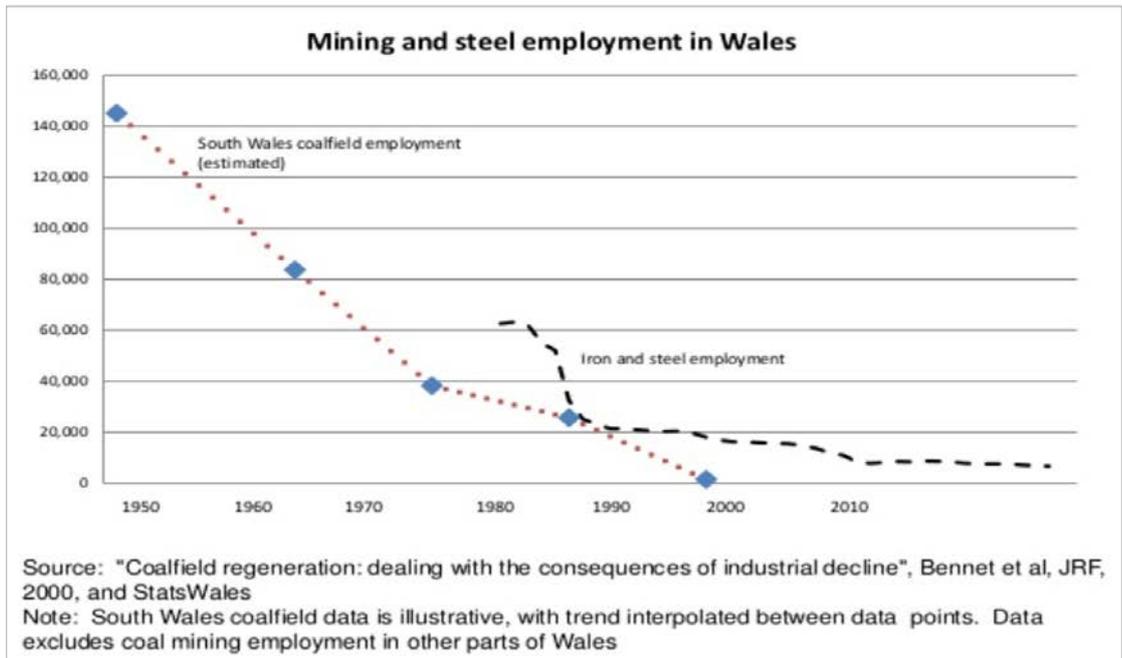
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Future Trends - Economy & Infrastructure



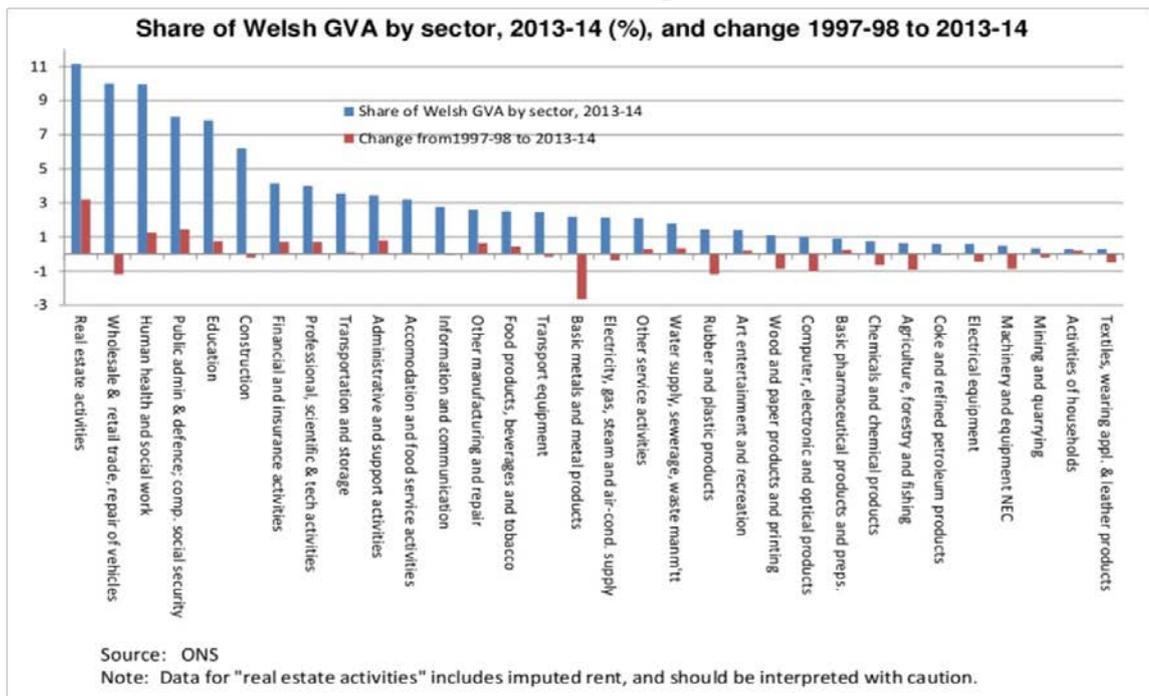
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Future Trends - Economy & Infrastructure



9/19

Future Trends - Economy & Infrastructure



10/19

Future Trends - Economy & Infrastructure

Digital Communications Provision

Platform	UK 2016	UK 2015	England	Scotland	Wales	N Ireland
Fixed line ¹	99.9%	99.9%	100%	99.9%	100%	100%
2G mobile ²	99.6%	N/A	99.7%	99.1%	98.4%	98.8%
3G mobile ³	99.6%	N/A	99.8%	97.9%	98.6%	99.4%
4G mobile ⁴	97.8%	N/A	98.8%	92.0%	90.1%	99.3%
Digital satellite TV ⁵	98%	98%	No data	No data	No data	No data
Digital terrestrial TV ⁶	99%	99%	99%	99%	98%	97%
DAB BBC Network ⁷	97.2%	95.4%	98.2%	95.0%	92.2%	85.4%
DAB commercial network (Digital One) ⁸	91.3%	89.8%	94.6%	80.3%	67.4%	77.9%
DAB commercial network (Sound Digital) ⁹	76.5%	N/A	80.2%	64.4%	51.5%	56.6%
LLU ADSL broadband ¹⁰	-	95%	96%	89%	93%	89%
Virgin Media cable broadband ¹¹	-	44%	47%	36%	21%	27%
BT Openreach/Kcom fibre broadband ¹²	-	82%	82%	75%	83%	92%
NGA broadband ¹³	-	90%	90%	85%	87%	95%
Superfast broadband ¹⁴	-	83%	84%	73%	79%	77%

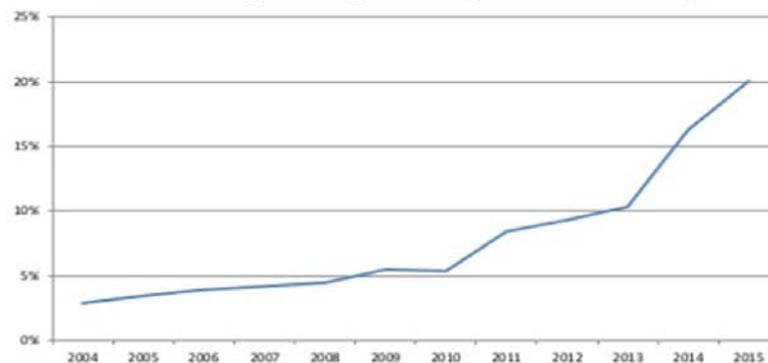
Sources: Ofcom and operators:

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Future Trends - Economy & Infrastructure

Electricity generation from renewables in Wales

Renewables (percentage of total generation in Wales)

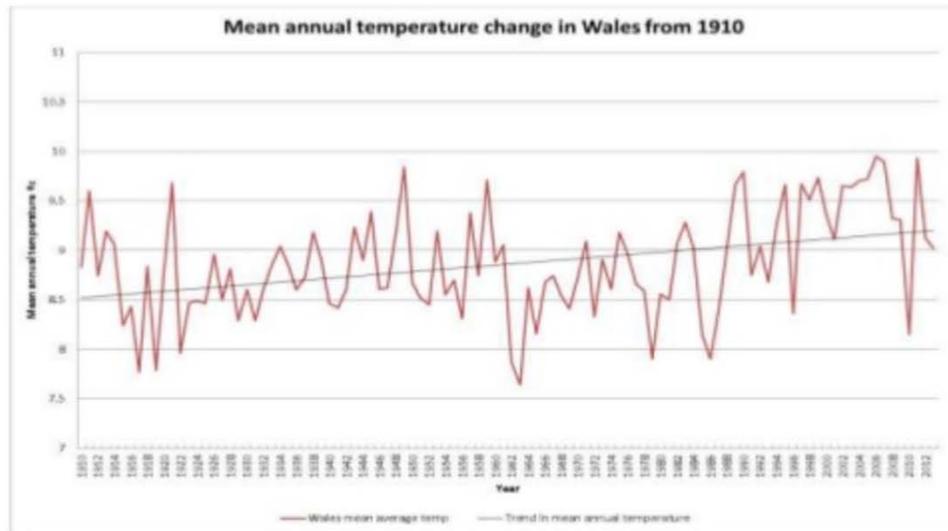


In 2015, 20% of electricity generated in Wales came from renewables, compared to 2.9% in 2004

Source: BEIS, [Electricity generation and supply figures for Scotland, Wales, Northern Ireland and England](#)

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Future Trends – Climate Change



13/19

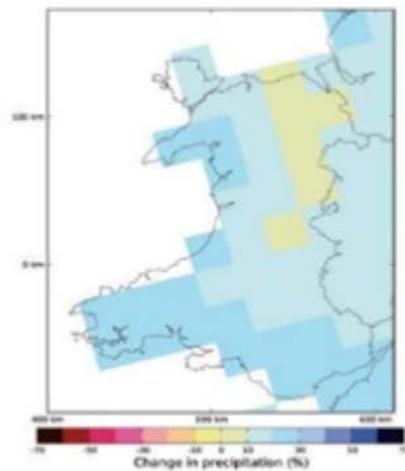
Future Trends – Climate Change

What are the impacts for Wales?

Rainfall in 2050's

- An increase in mean winter precipitation of 14%
Very unlikely to be < 2% and > than 30%.
- A decrease in mean summer precipitation of 17%
Very unlikely to be < 36% decrease and > 6% increase).

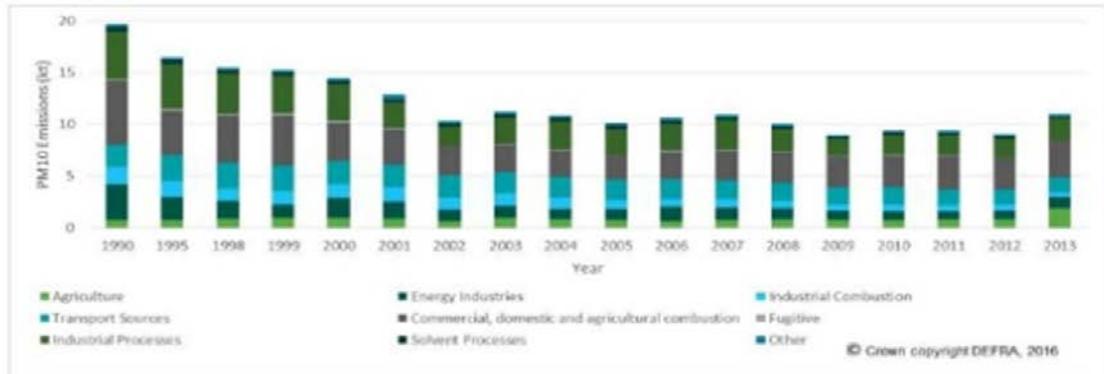
Under the 2050s Medium Emissions scenario



Winter Rainfall by the 2080s

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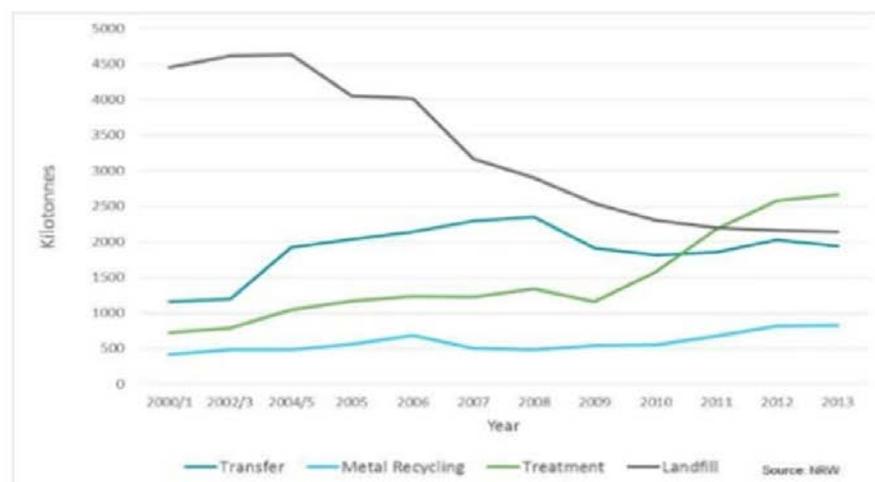
Future Trends - Land Use & Natural Resources



15/19

Future Trends - Land Use & Natural Resources

Waste management trends 2000/1 - 2013. Waste inputs shown in kilotonnes by site type in Wales. There is a generally improving trend.



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Future Trends - Society & Culture

Patterns of phone calls show Wales is much more linked in to England than Scotland:



- Parts of Wales are closely linked into regions dominated by the major cities of the West Midlands and North West (and "South Wales" incorporates part of Gloucestershire north of the Severn).
- The difference between Scotland and Wales is striking, with Scotland very separated from the rest of Great Britain.

Source: Carlo Ratti.MIT

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Future Trends - Society & Culture

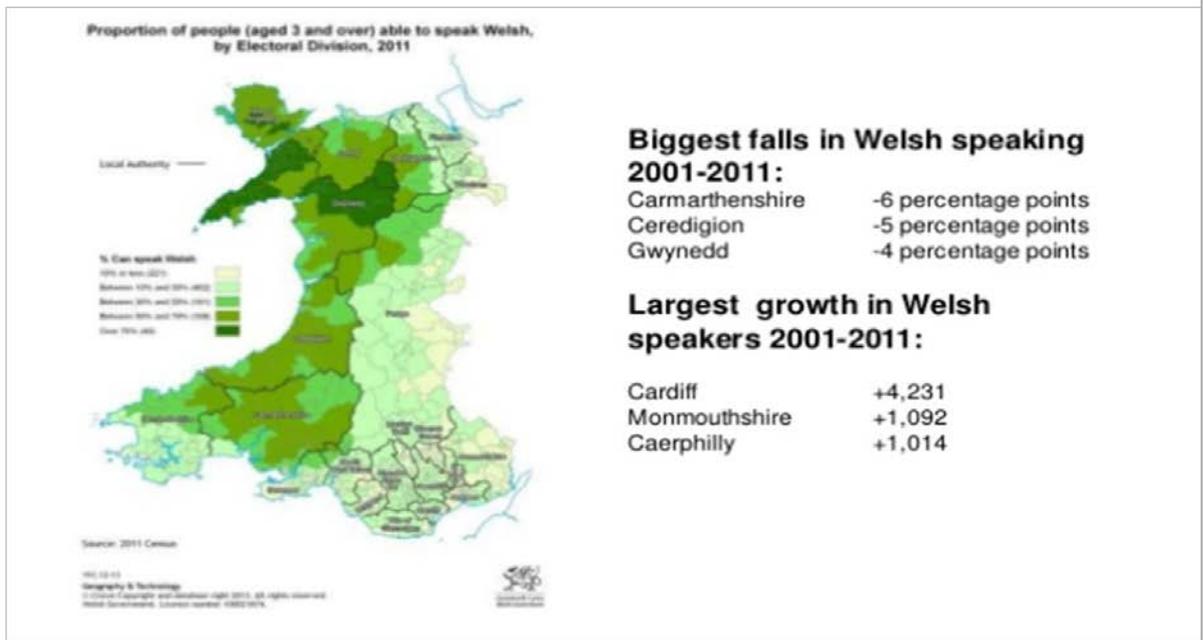
Housing need and annual increase in dwellings



[New House Building 2015-16 Statistical Release](#) (Welsh Government)
[Future Need and Demand for Housing in Wales](#) (PPW)

18/19

Future Trends - Society & Culture



19/19

Part 2 – Context for Developing NDF

- Deliver land use planning aspects of WG policy e.g. The National Strategy: Prosperity for All
- Support established policy & strategic aims
- Anticipate & support emerging policies and trends e.g. emerging transport strategy

Context – NDF Objectives

- Cultural & Historical Assets
- Housing
- Climate Change, Decarbonisation & Energy
- Broadband and Digital infrastructure
- Economic Prosperity and Regeneration
- Rural Wales
- City Regions
- Transport
- Sustainable Management of Natural Resources
- Welsh Language

Alternative Spatial Options

- We are developing a spatial strategy for the NDF
- Each option represents an alternative approach
- They will be tested through ISA
- Each has potential positive & negative outcomes
- The testing helps identify the strongest spatial approach to deliver our objectives
- This may be a new option or one which combines elements from each

Alternative Spatial Options

- We want your views on these draft options
- Are they realistic?
- What are the positive outcomes they could deliver?
- Are there potential negative outcomes?
- Can the NDF (& planning system) deliver these outcomes?

Alternative 1 – Market Driven Focus

Overview - Growth and development of the economy is the overriding priority. The markets are trusted to tackle challenges and there is a need to ensure business is responsive, able to develop new solutions and approaches and is not constrained by the planning system. It facilitates development and maximises the delivery of economic opportunities, including Developments of National Significance (DNS). The NDF actively seeks to support the delivery of cross-government aims, such as deprivation, regeneration, physical and mental health, by facilitating economic growth.

Why this Option? – Consensus on need for national perspective - transport, energy, need to drive delivery & provide certainty; recognition of potential for big projects; interest in national targets – GVA, energy & house building; perceived problems – delivery & speed; silo thinking & missed opportunities to align investment; economy underpins many issues.

Wales 2040

Housing

Focussed in strongest market areas, including greenfield

Energy

Nationally scaled infrastructure projects

Economy

Investment in infrastructure, key sectors & growth at all levels

Regeneration & Public Investment

Areas greatest economic potential

Rural

Support opportunities but not a focus for intervention

City Regions

Strong support & focus on maximising economic potential

Transport

Large projects to drive economy; outward looking focus

Key Assumptions

- Identification of DNS for key development projects and infrastructure.
- Significant levels of investment in transport, energy and digital infrastructure.
- Cities and their regions are viewed as the primary economic drivers.
- Higher rates of housing and economic development, with greenfield land released.
- Planning controls and some environmental regimes are relaxed.
- Internal and external connectivity is actively improved, including enhanced air, sea, road and high speed rail links to England and beyond.
- The private sector leads investment in energy sector and waste.

Alternative 2 – Community Focus

Overview - This alternative is driven by the creation of strong, local communities. The focus is on ensuring everyone has access to the jobs, housing, services and facilities they need. The interests of those in greatest need are prioritised for action and there is a strong emphasis on people and their well-being. Access to services and facilities, social inclusion and health improvement would be key considerations.

Why this Option? – Engagement identified importance of communities, local services & facilities, need for local housing solutions, depopulation, impact on Welsh language, growing economy locally and the importance of a framework for rural Wales. Importance of understanding impact of national planning decisions on local communities.

Wales 2040

Housing

Smaller scale, dispersed, local needs

Energy

Supply through local, community based infrastructure

Economy

Local sustainable economies, jobs close to home

Regeneration & Public Investment

Areas greatest need prioritised

Rural

Depopulation reversed

City Regions

Focus on full region & equity for all communities

Transport

Community focused, reducing need to travel

Key Assumptions

- Improving **health** and well-being are key, with **air quality** improvements targeted.
- Regeneration and tackling deprivation are a key focus, with economic development focussed on areas of **greatest need**.
- Local, **affordable housing** will be supported, with strong support for local and self build housing.
- **Accessibility** is central to decision making and locational choices must maximise accessibility to all members of society.
- The NDF emphasises digital connectivity.
- **Community owned renewable energy** schemes are prioritised.
- Strong support for **circular economy** and waste as a resource.
- Sustainable settlement patterns – **homes close to jobs and key services** and facilities, **reducing the need to travel** and ensuring sustainable land-use patterns

Alternative 3 – Decarbonisation Focus

Overview - Decarbonisation and climate change are the primary considerations. Targets for renewable energy and emissions will significantly shape this option. Existing urban and rural patterns will be adapted to improve their sustainability. Programmes to adapt existing buildings and urban fabric, such as energy efficiency programmes, will be fully supported. There may be constraints placed on actions and we accept that achieving long term benefits will require difficult choices.

Why this Option? – key WG priority; strong consensus on importance ; help address climate change & environmental issues and also economic opportunity; at all scales – national & local; affects all issues – housing, transport, environmental; range of opportunities – no single intervention; all-Wales issue; clear recognition of importance of 'land-use planning'.

Wales 2040

Housing

Most sustainable locations – reduce need to travel / modal shift

Energy

Focussed on RE Targets – all tiers planning aligned to deliver

Economy

Low carbon economy, strong support sectors help achieve aims

Regeneration & Public Investment

Focussed in most sustainable locations

Rural

Stronger, self contained communities – sustainably connected

City Regions

Connected, accessible, planned

Transport

Strong alignment land use - reduce need to travel / modal shift

Key Assumptions

- Development must be resilient to climate change impacts.
- Economic objectives will not outweigh the delivery of decarbonisation and climate change objectives.
- Reducing transport movements, congestion and emissions influences key decisions.
- Reuse of brownfield sites will be prioritised.
- Rail connectivity is actively prioritised. UK and international connections will be rail and sea based.
- Renewable and low carbon energy generation is actively pursued and fossil fuels phased out. Areas for renewable energy developments are identified.
- Energy efficiency is promoted strongly, as is energy storage and transmission infrastructure.
- Sustainable flood management proposals are developed on a large scale.

Alternative 4 – Natural Resource Resilience Focus

Overview -Building the resilience of and maximising the potential from our natural resources is the primary policy driver. The importance of habitats and ecological networks would be strongly emphasised. The NDF would guide development to the most suitable locations, strongly prioritising natural resource implications in spatial decision-making. The NDF will establish a spatial framework for new green infrastructure.

Why this Option? – key WG priority; importance of growing long-term sustainable economies based on our natural resources; agriculture, forestry, RE, water & tourism; approach supports climate change objectives; community focussed; breaks down silo thinking – understanding our natural resources in different ways.

Wales 2040

Housing

Place-based approach focused on communities

Energy

Increasing RE & resource efficiency

Economy

Strong emphasis on circular economy; water, carbon, RE

Regeneration & Public Investment

Community based to realise value of local natural resources

Rural

Strengthened through focus on realising natural resources

City Regions

Focus on climate change adaption & mitigation

Transport

Modal shift from road for people & freight, green corridors

Key Assumptions

- Principles of SMNR are a key driver of this alternative.
- Strengthening natural resources resilience will be sought as a key outcome in all land use decisions.
- The extent of coverage of habitats and green networks will increase.
- Impacts on biodiversity, landscapes, water bodies and soil are mitigated and adapted.
- Sustainable flood management will be prioritised.
- Innovative green networks will be developed in the city regions, delivering benefits for habitat continuity and species movement.
- Green networks are formed alongside key transport routes.
- Species populations and their habitats will be enhanced.
- There is a presumption in favour of actions to address climate change.

NDF Key Dates

April 2018 Consultation NDF Objectives & Preferred Strategy

July 2019 Consultation Draft NDF

April 2020 National Assembly

Sept 2020 Publication

Questions & Discussion

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