Appendix A. Table 2 - Sustainability Appraisal Matrices Preferred Strategy

The preferred option is combined from the following options previously assessed through the SA process see Appendix A. Table 1 for full details of A – H Options considered

- Option A (the Core Strategy approach),
- Option B: Science Vale focus plus ‘sustainable settlements
- Option D: All growth in a single new settlement
- Option H: Locating development in particular settlements where it could help fund projects

Our preferred approach is a combination of:

- The Strategy
- At the Refined Options stage we set out eight potential options which we could apply. In response to your comments and more detailed work that we have done since, we have broadly retained Option A (the Core Strategy approach), and incorporated elements of Option B (Science Vale and ‘Sustainable Settlements”) Option D (all growth in a new settlement) and Option H (Locating development in particular settlements where it could help fund projects)

Key:

✓✓	✓	x x	x	0	?
Major positive	**Minor positive**	**Major negative**	**Minor negative**	**No direct impact**	**Uncertain effect**

	Option A Continue to use the Core Strategy distribution strategy	**Option B** Science Vale focus plus 'sustainable settlements'	**Option D** All growth in a single new settlement	**Option H** Locating development in particular settlements where it could help fund projects	**Preferred Option**
1 To help to provide existing and future residents with the opportunity to live in a decent home and in a decent environment supported by appropriate levels of infrastructure	✓ x	✓ x	✓	x	✓✓
	This approach is likely to deliver houses through the concentration of housing on the growth point at Didcot. With further housing development allocated to the other towns of Henley, Thame and Wallingford and the larger villages. This would help provide residents with the opportunity to live in a decent home in a choice of locations. However in the long term, this could create housing market saturation in Didcot (that in turn could lead to 5 year supply problems in Didcot).	This approach is likely to deliver houses through the concentration of housing on the growth point within Science Vale. With further housing development allocated to the other ''sustainable settlements'. This would help provide residents with the opportunity to live in a decent home in a choice of locations. However in the long term, this could create housing market saturation in Didcot (that in turn could lead to 5 year supply problems in Didcot). Some of the smaller settlements might	A new settlement could create the opportunity to live in a decent home but it is unlikely to meet delivery targets because infrastructure would need to be in place prior to housing development and the level of development would not be enough to sustain a new settlement. **Mitigation:** This option would require significant infrastructure development. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm Timing:	This option would require significant amounts of housing to achieve the benefits sought. Unlikely to provide decent homes and the infrastructure required. Some of the smaller settlements might miss out on some desired growth for local affordable housing. **Mitigation:** There is little scope to improve this option. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm Timing:	The combination of options A, B, D & H will ensure the provision of decent affordable homes across the district. The inclusion of option H allows the opportunity to identify settlements in need of regeneration and/or specific funding. The inclusion of a new settlement options will provide opportunity to assist with meeting Oxford's unmet housing needs, which will provide homes to those in need within Oxford City. Further site allocations work may be required to ensure that further sites are available and appropriate, within the locations specified. Significant infrastructure development will be

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	Some of the smaller settlements might miss out on some desired growth for local affordable housing. **Mitigation:** Further site allocations work may be required to ensure that further appropriate sites are available and appropriate. **Enhancement:** This effect could be enhanced by ensuring that new homes are built to high standards of sustainable design and ensuring affordable housing is provided. **Likelihood:** High **Scale:** District wide	miss out on some desired growth for local affordable housing. **Mitigation:** Further site allocations work may be required to ensure that further appropriate sites are available and appropriate. **Enhancement:** This effect could be enhanced by ensuring that new homes are built to high standards of sustainable design and ensuring affordable housing is provided. A fresh approach to assessing the sustainability of settlements would be required. **Likelihood:**	**Timing:** Short to long term **Significance of effect:** Significant.	Short to long term **Significance of effect:** Significant.	required for any new settlement, it will be essential to work with service providers to ensure this is implemented in a timely fashion. Continued consultation with Oxford City is essential to ensure that their unmet housing needs are incorporated into the Local Plan development. Improvement to public transport in rural areas, will need to be implemented. Affordable homes should be provided within all development settlements. **Mitigation/Enhancement:** The positive effect of providing new homes could be enhanced by ensuring that new homes are built to high standards of sustainable design and

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	Temp or perm: Perm **Timing:** Short to long term **Significance of effect:** Significant.	High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect**: Significant.			supported by appropriate levels of infrastructure. Further evidence should be provided to ensure that settlements in need of funding for specific projects and/or regeneration are identified and included were appropriate. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.
	✓	✓	✓	**x**	✓

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2 To help to create safe places for people to use and for businesses to operate, to reduce anti-social behaviour and reduce crime and the fear of crime.	Focussing development in established town centres should provide the opportunity to create a safe environment and be conducive to business operation and development. Greater concentration of development may help create safer places through greater pedestrian flows; however the positive impact may be hindered by growth pressure in places where housing is already allocated. **Enhancement:** Ensure that development is designed to reduce	Focussing all additional housing developments in the Science Vale area and 'sustainable settlements' should be conductive to business operation and development. Greater concentration of development may help create safer places through greater pedestrian flows; however the positive impact may be hindered by growth pressure in places where housing is already allocated. In the short term whilst development is taking place and infrastructure is being developed may result in a	A new settlement could provide the opportunity to design a safe environment which could reduce antisocial behaviour. **Mitigation:** Ensure good quality urban design is implemented and access to services, facilities locally. **Likelihood:** High **Scale**: Localised **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Not significant.	This option would require significant amounts of housing to achieve the benefits sought. Unlikely to provide benefits to all areas in need. **Mitigation:** There is little scope to improve this option. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	The issues raised in the assessments of options A, B,& D are still relevant, the development of new homes across the district will raise concerns about anti-social behaviour and crime. A new settlement could provide the opportunity to design a safe environment which could reduce antisocial behaviour. The inclusion of option H allows the opportunity to identify settlements in need of regeneration and/or specific funding. **Mitigation/Enhancement** Ensure that development is designed to reduce crime and the fear of crime. Phasing of development needs to be carefully implemented. A fresh approach to assessing the sustainability of

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	crime and the fear of crime. **Likelihood:** Medium – this is also dependent upon the design of individual developments **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Not significant.	negative impact on local business. **Mitigation / Enhancement:** Ensure that development is designed to reduce crime and the fear of crime. Phasing of development needs to be carefully implemented. A fresh approach to assessing the sustainability of settlements would be required. **Likelihood:** High – this is also dependent upon the design of individual developments **Scale:** District wide **Temp or perm:** Perm **Timing:**			settlements could be required. Ensure good quality urban design is implemented and access to services, facilities locally. Ensure any dispersal of new developments are properly regulated and monitored. Further evidence should be provided to ensure that settlements in need of funding for specific projects and/or regeneration are identified and included were appropriate. **Likelihood:** High – this is also dependent upon the design of individual developments **Scale:** District wide **Temp or perm:** Perm **Timing:**

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		Short to long term **Significance of effect:** Significant.			Short to long term **Significance of effect:** Significant.
3 To improve accessibility for everyone to health, education, recreation, cultural, and community facilities and services.	✓ x	✓ x	x	x	✓✓ x
	Focussing all additional housing within a range of settlements where development of all types is concentrated should create strong hubs which will be more accessible by all forms of transport including walking and cycling. The positive impacts maybe reduced by growth pressure on existing services in places where housing is already allocated. **Mitigation / Enhancement:**	Concentration of additional housing development within Science Vale and 'sustainable settlements' will improve accessibility to services for some residents, but not for those in other areas. Growth pressure on existing services in places where housing is already allocated may occur. **Mitigation:** Ensure improvements to service provision	It is unlikely that a new settlement would deliver sufficient development for self-containment and journeys to the main towns will be required. **Mitigation:** Mitigation of this effect would only be achieved through an alternative option. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short term	This option would require significant amounts of housing to achieve the benefits sought. Unlikely to provide benefits to all areas in need. **Mitigation:** There is little scope to improve this option. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:**	A combination of options A, B, D & H reduces the number of potential issues identified when considering each option alone and increases the number of positive impacts. Growth pressure on existing services in places where housing is already allocated may still occur. Accessibility to services in rural areas may still be limited resulting in negative impacts towards the most vulnerable people and increases the potential of inequality and social exclusion. A new settlement or an extension to an existing

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	This effect could be enhanced through improvements to service provision commensurate with any increases in population. In addition the foot and cycle path network and increased frequency of buses. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	commensurate with any increases in population. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	**Significance of effect:** Significant.	Significant.	settlement would not be solely dependent on providing all new homes and could be developed over time in line with infrastructure development. The inclusion of option H allows the opportunity to identify settlements in need of regeneration and/or specific funding**.** **Mitigation:** Choose locations showing spare capacity in service provision and/or ensure improvements to services commensurate to population growth. Further evidence should be provided to ensure that settlements in need of funding for specific projects and/or regeneration are identified and included were appropriate. **Likelihood:**

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					High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.
4 To maintain and improve people's health, well-being, and community cohesion and support voluntary, community, and faith groups.	✓ x Having a range of settlements where development of all types is concentrated should assist with community cohesion; however growth pressure in places where housing is already allocated may lead	✓ x This option puts more homes in places where housing is already allocated (this might be seen as unfair) and may put pressure on existing communities reducing community cohesion. **Mitigation**	x It is unlikely that a new settlement would deliver sufficient development for self-containment and journeys to the main towns will be required to access facilities. **Mitigation:** Mitigation of this effect would only be	✓ x In principle this option would benefit the community and fits well with neighbourhood planning where communities weigh up for themselves whether to opt for this; however this option would require significant amounts of housing	✓✓ x A combination of options A, B,D & H reduces the number of potential issues identified when considering each option alone and increases the number of positive impacts. Growth pressure on existing services in places where housing is already allocated may still occur.

	Option A Continue to use the Core Strategy distribution strategy	**Option B** Science Vale focus plus 'sustainable settlements'	**Option D** All growth in a single new settlement	**Option H** Locating development in particular settlements where it could help fund projects	**Preferred Option**
	to detrimental impacts. **Mitigation / Enhancement:** This effect could be enhanced through improvements to service provision commensurate with any increases in population. In addition the foot and cycle path network and increased frequency of buses. Further site allocations work may be required to ensure that further appropriate sites are available and appropriate **Likelihood:** High **Scale:** District wide	A fresh approach to assessing the sustainability of settlements would be required. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	achieved through an alternative option. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short term **Significance of effect:** Significant.	to achieve the benefits sought. Unlikely to provide benefits to all areas in need. **Mitigation:** There is little scope to improve this option. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	Allowing dispersal of new homes in appropriate locations, designed to support social cohesion, could have positive impacts and support villages in the rural areas. The inclusion of option H allows the opportunity to identify settlements in need of regeneration and/or specific funding. **Mitigation:** Choose locations showing spare capacity in service provision and/or ensure improvements to services commensurate to population growth. A fresh approach to assessing the sustainability of settlements could be required. Affordable homes should be provided within all development settlements.

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	Temp or perm: Perm **Timing:** Short to long term **Significance of effect:** Significant				Further evidence should be provided to ensure that settlements in need of funding for specific projects and/or regeneration are identified and included were appropriate. .**Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.
5 To reduce harm to the environment by seeking to minimise pollution of all kinds especially water, air, soil and noise pollution.	✓ x Allocation of additional housing sites adjacent to market towns ensures that residents will have	✓ x Allocation of additional housing sites within Science Vale 'sustainable settlements' ensures that	xx It is unlikely that a new settlement would deliver sufficient development for self-containment	? This option is location specific. In the short term noise pollution may	✓ x The issues raised in the assessments of options A, BD & H are still relevant, when combining the options together.

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	good access to services and facilities reducing pollution from travel. The location of homes in larger villages is intended to support local services and will reduce the need to travel long distances for certain purposes. However it is not possible to provide all facilities in a village. Therefore a certain degree of longer distance travel will be required for occasional services. In the short term noise pollution may increase during the construction phase.	residents will have good access to services and facilities reducing pollution from travel. This will support local services and will reduce the need to travel long distances for certain purposes. However it is not possible to provide all facilities in all settlements. Therefore a certain degree of longer distance travel will be required for occasional services. Science Vale has a number of existing housing allocations and the current infrastructure may not be able to	and journeys to the main towns will be required to access facilities, thus increasing the need to travel and increasing vehicle emissions. **Mitigation:** Mitigation of this effect would only be achieved through an alternative option. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short term **Significance of effect:** Significant.	increase during the construction phase. Any reduction in greenfield land may result in pollution from surface run-off. **Mitigation**: Ensure the ETI results inform the decision making process. Ensure phasing of development occurs to reduce noise impacts. Encourage the use of permeable surfaces and SUDS **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm	By widening the approach to housing delivery, the growth pressure to all locations will be reduced. Transport impacts and the associated congestion and air pollution are still likely to lead to negative impacts, if mitigation is not implemented. In the short term noise pollution may increase during the construction phase. Any reduction in greenfield land may result in pollution from surface run-off. **Mitigation:** Choose only locations showing spare capacity in service provision and/or ensure improvements to services commensurate to population growth

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	Any reduction in greenfield land may result in pollution from surface run-off. **Mitigation**: Ensure the ETI results inform the decision making process. Ensure phasing of development occurs to reduce noise impacts. Encourage the use of permeable surfaces and SUDS **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm Timing:	withstand further allocations. In the short term noise pollution may increase during the construction phase. Any reduction in greenfield land may result in pollution from surface run-off. **Mitigation**: Ensure the ETI results inform the decision making process. Ensure phasing of development occurs to reduce noise impacts. Encourage the use of permeable surfaces and SUDS		Timing:	Ensure the ETI results inform the decision making process. Ensure phasing of development occurs to reduce noise impacts. Encourage the use of permeable surfaces and SUDS Further evidence should be provided to ensure that settlements in need of funding for specific projects and/or regeneration are identified and included were appropriate. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.

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6 To improve travel choice and accessibility, reduce the need to travel by car and shorten the length and duration of journeys.	✓✓ x	✓ x	✓ x	x	✓ x
	Allocation of additional housing sites adjacent to market towns ensures that residents will have good access to services and facilities the length of journeys and need to travel by car will be reduced. The location of homes in larger villages is intended to support local services; this will reduce the need to travel long distances for certain purposes. It is not possible to provide all facilities in a village; therefore a certain degree of travel will be required to access	Allocation of additional housing sites within Science Vale 'sustainable settlements' ensures that residents will have good access to services and facilities the length of journeys and need to travel by car will be reduced. The location of homes in sustainable settlements is intended to support local services; this will reduce the need to travel long distances for certain purposes. It is not possible to provide all facilities in a village; therefore a certain degree of	A new settlement is unlikely to reduce the need to travel and it is unlikely that it would be fully self-contained in the short term, however in the long term, the public transport would improve **Mitigation:** Ensure the new settlement can be linked by appropriate infrastructure, including public rights of way and cycle lanes. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term	In principle this option could improve travel choice, however this option would require significant amounts of housing to achieve the benefits sought. Unlikely to provide benefits to all areas in need. **Mitigation:** There is little scope to improve this option. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant	The issues raised in the assessments of options A, B,D & H are still relevant, when combining the options together. By widening the approach to housing delivery, the growth pressure to all locations will be reduced, transport impacts and the associated congestion and air pollution are still likely to lead to negative impacts, if mitigation is not implemented. The inclusion of option H allows the opportunity to identify settlements in need of regeneration and/or specific funding. **Mitigation** Choose only locations showing spare capacity in service provision and/or ensure improvements to

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	occasional services in nearby centres. **Enhancement / Mitigation:** Ensure that a range of transport modes are available, to include: public rights of way, cycle lanes, public transport and community transport schemes, to reduce the need for these journeys to be made by private car. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:**	travel will be required to access occasional services in nearby centres. Science Vale has a number of existing housing allocations and the current infrastructure may not be able to withstand further allocations. **Enhancement / Mitigation:** Ensure that a range of transport modes are available, to include: public rights of way, cycle lanes, public transport and community transport schemes, to reduce the need for these journeys to be made by private car.	**Significance of effect:** Significant.		services commensurate to population growth Ensure the ETI results inform the decision making process. Ensure the new settlement can be linked by appropriate infrastructure, including public rights of way and cycle lanes. Ensure that a range of transport modes are available, to include: public rights of way, cycle lanes, public transport and community transport schemes, to reduce the need for these journeys to be made by private car. Further evidence should be provided to ensure that settlements in need of funding for specific projects and/or regeneration are identified and included were appropriate. **Likelihood:**

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	Positive effect is significant, negative effect is not significant.	**Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.			High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.
7 To conserve and enhance biodiversity	✓ x	✓ x	✓ x	x	✓ x
	The increase in housing numbers may result in a detrimental effect on the biodiversity The conservation target areas within the district comprise the most important areas to implement improvements for wildlife conservation, additional development in	The increase in housing numbers may result in a detrimental effect on the biodiversity The conservation target areas within the district comprise the most important areas to implement improvements for wildlife conservation, additional development in	All additional growth in one settlement may result in loss of greenfield land and green infrastructure and have a detrimental effect on biodiversity; however it would also offer the opportunity to create good linkage to existing green infrastructure and could assist with funding for	In principle this option could offer opportunity to enhance biodiversity; however this option would not be able to provide funding for all projects. Unlikely to provide benefits to all areas in need. **Mitigation:**	The issues raised in the assessments of options A, B,D & H are still relevant, when combining the options together. The inclusion of option H allows the opportunity to identify settlements in need of regeneration and/or specific funding. **Mitigation:** Ensure further HRA Appropriate Assessment is carried out and all recommendations are

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	these areas, could assist with funding for biodiversity enhancement for example: green infrastructure, wildlife areas, buffer zones etc. The following European Sites need to be considered when identifying areas for additional housing development. Aston Rowant SAC, Chiltern Beechwoods SAC, Cothill Fen SAC, Hartslock Woods SAC, Little Wittenham SAC Oxford Meadows SAC Additional development can lead to increased emissions from	these areas, could assist with funding for biodiversity enhancement for example: green infrastructure, wildlife areas, buffer zones etc. The following European Sites need to be considered when identifying areas for additional housing development. Aston Rowant SAC, Chiltern Beechwoods SAC, Cothill Fen SAC, Hartslock Woods SAC, Little Wittenham SAC Oxford Meadows SAC Additional development can lead to increased emissions from	biodiversity enhancement for example: green infrastructure, wildlife areas, buffer zones etc within the conservation target areas. The following European Sites need to be considered when identifying areas for additional housing development. Aston Rowant SAC, Chiltern Beechwoods SAC, Cothill Fen SAC, Hartslock Woods SAC, Little Wittenham SAC Oxford Meadows SAC Additional development can lead to increased emissions from	There is little scope to improve this option. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	included in the Local Plan 2032. Ensure biodiversity enhancement schemes are implemented alongside additional housing development. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant

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	vehicle movement and put strain on water resources, both can have detrimental effects on SAC's. **Mitigation:** Ensure the Habitats Regulation Assessment Screening is undertaken to identify appropriate areas for additional housing. Ensure biodiversity enhance schemes are implemented alongside additional housing development. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm	vehicle movement and put strain on water resources, both can have detrimental effects on SAC's. **Mitigation:** Ensure the Habitats Regulation Assessment Screening is undertaken to identify appropriate areas for additional housing. Ensure biodiversity enhance schemes are implemented alongside additional housing development. **Likelihood:** High **Scale:** District wide **Temp or perm:**	vehicle movement and put strain on water resources, both can have detrimental effects on SAC's. **Mitigation:** Ensure the Habitats Regulation Assessment Screening is undertaken to identify appropriate areas for additional housing. Ensure biodiversity enhance schemes are implemented alongside additional housing development. **Likelihood:** High **Scale:** District wide		

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	Timing: Short to long term **Significance of effect:** Significant.	Perm **Timing:** Short to long term **Significance of effect:** Significant	**Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant		
8 To improve efficiency in land use and to conserve and enhance the district's open spaces and countryside in particular, those areas designated for their landscape importance, minerals, biodiversity and soil quality.	**x**	✓✓	✓✓	**x**	✓✓
	The provision of additional homes will require the use of greenfield land. This option does not automatically take account of designations such as Green Belt and Area of Outstanding Natural Beauty. **Mitigation:** A landscape Capacity Assessment should be carried out to inform the site selection process **Likelihood:**	The provision of additional homes will require the use of greenfield land; this option does take account of existing policy designations such as Green Belt and Area of Outstanding Natural Beauty. **Mitigation / Enhancement:** A landscape Capacity Assessment should be carried out to inform the site selection process	The provision of additional homes will require the use of greenfield land; this option does exclude development in the Green Belt or AONB. **Mitigation / Enhancement:** A landscape Capacity Assessment should be carried out to inform the site selection process **Likelihood:** High	This option does not automatically take account of designations such as Green Belt and Area of Outstanding Natural Beauty. **Mitigation:** A landscape Capacity Assessment should be carried out to inform the site selection process **Likelihood:** High **Scale:** District wide **Temp or perm:**	The issues raised in the assessments of options A, B,D & H are still relevant, when combining theoptions together. **Enhancement:** The landscape capacity assessment should be used to inform the site selection process. A detailed LVIA may be required, to prevent negative impacts to the Green Belt and/or AONB. **Likelihood:** High **Scale:** District wide **Temp or perm:**

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	High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	**Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant	**Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant	Perm **Timing:** Short to long term **Significance of effect:** Significant	Perm **Timing:** Short to long term **Significance of effect:** Significant
9 To conserve and enhance the district's historic environment including archaeological resources and to ensure that new development is of a high quality design and reinforces local distinctiveness.	**x**	**x**	**?**	**x**	✓ x
	Continuing to use the Core Strategy distribution strategy may have a detrimental impact on the historic environment and local distinctiveness. Henley, Thame and Wallingford and many of the larger villages have	Focusing the additional housing within Science Vale and sustainable settlements may have a detrimental impact on the historic environment and local distinctiveness. Sustainable settlements may not include historic	All growth in a single new settlement may have a detrimental impact the historic environment; however there is opportunity to choose a location that has no constraints. **Mitigation:**	This option does not automatically take account the historic environment. **Mitigation:** A landscape Capacity Assessment should be carried out to inform the site selection process **Likelihood:**	A combination of options A, B,D & H reduces the number of potential issues identified when considering each option alone and increases the number of positive impacts. Allowing development in a variety of locations will provide the opportunity to ensure that development occurs within the most suitable

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	constraints with regard to the historic environment and archaeological resources. **Mitigation:** The historic and archaeological environment constraints should be identified during the site selection process. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant	environment and archaeological resources. **Mitigation:** Identification of sustainable settlements should include the protection of historic environment and archaeological resources **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant	Identification of a news settlements should include the protection of historic environment and archaeological resources **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant	High **Scale:** District wide **Temp or perm:** Perm **Timing**: Short to long term **Significance of effect:** Significant	areas across the district, this should ensure that the district's historic environment including archaeological resources are protected. **Mitigation:** The historic and archaeological environment constraints should be identified during the site selection process, towns and villages should be excluded where additional housing would lead to an adverse impact on the historic environment and archaeological resources. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of**

	Option A Continue to use the Core Strategy distribution strategy	**Option B** Science Vale focus plus 'sustainable settlements'	**Option D** All growth in a single new settlement	**Option H** Locating development in particular settlements where it could help fund projects	**Preferred Option**
					effect: Significant
10 To seek to address the causes and effects of climate change by: a) securing sustainable building practices which conserve energy, water resources and materials; b) protecting, enhancing and improving our water supply where possible c) maximizing the proportion of energy generated from renewable sources; and d) ensuring that the design and location of new development is resilient to the effects of climate change.	✓ x Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation. Increasing population size may result in putting further pressure on resources for example, water capacity and sewage capacity. Concentration of development in towns and larger villages will create opportunities for	✓ x Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation. Increasing population may result in putting further pressure on resources for example, water capacity and sewage capacity. . **Mitigation / Enhancement:** Include SuDS in all designs.	✓ Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation. Although a new settlement will require the use of greenfield land; it would provide opportunities to secure innovative sustainable building practices and maximise the proportion of energy from decentralised and renewable.	✓ x Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation. Increasing population may result in putting further pressure on resources for example, water capacity and sewage capacity. . **Mitigation / Enhancement:** Include SuDS in all designs.	✓✓ x A combination of options A, B,D & H reduces the number of potential issues identified when considering each option alone. Allowing development in a variety of locations will provide the opportunity to ensure that development occurs within the most suitable areas across the district, and the positive impacts will be enhanced. **Mitigation / Enhancement:** Include SuDS in all designs. Promote sustainable building practices which conserve energy, water resources and materials.

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	innovative sustainable design and construction methods to be used; including district heating / renewable energy generation. **Mitigation / Enhancement:** Include SuDS in all designs. Promote sustainable building practices which conserve energy, water resources and materials. Consult with Thames Water with regard to water/sewage capacity. **Likelihood:** High	Promote sustainable building practices which conserve energy, water resources and materials. Consult with Thames Water with regard to water/sewage capacity. . **Likelihood:** High Scale: District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	**Mitigation / Enhancement:** Include SuDS in all designs. Promote sustainable building practices which conserve energy, water resources and materials. Consult with Thames Water with regard to water/sewage capacity. **Likelihood:** High Scale: District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:**	Promote sustainable building practices which conserve energy, water resources and materials. Consult with Thames Water with regard to water/sewage capacity. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	Consult with Thames Water with regard to water/sewage capacity. **Likelihood:** High Scale: District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant

	Option A Continue to use the Core Strategy distribution strategy	**Option B** Science Vale focus plus 'sustainable settlements'	**Option D** All growth in a single new settlement	**Option H** Locating development in particular settlements where it could help fund projects	**Preferred Option**
	Scale: District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.		Significant		
11 To reduce the risk of, and damage from, flooding.	✓	✓	✓	✓ x	✓
	Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation. Flood zones also exist in the vicinity of several larger villages. However, areas of land exist around these settlements that are	There are a number of flood zones through-out the district, although land is available outside of the flood zones. Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation.	Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation**.** Although a new settlement will require the use of greenfield land; it would provide opportunities to secure innovative	There are a number of flood zones through-out the district, although land is available outside of the flood zones. This option may limit the opportunities for developing outside of a flood zone Development will take place only on flood zone 1 land and SUDS will be incorporated into all	A combination of options A, B,D & H reduces the number of potential issues identified when considering each option alone. Allowing development in a variety of locations will provide the opportunity to ensure that development occurs within the most suitable areas across the district, and the positive impacts will be enhanced. **Enhancement** Use sequential test approach.

	Option A Continue to use the Core Strategy distribution strategy	**Option B** Science Vale focus plus 'sustainable settlements'	**Option D** All growth in a single new settlement	**Option H** Locating development in particular settlements where it could help fund projects	**Preferred Option**
	not within a flood zone. **Enhancement:** Use sequential test approach **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	**Mitigation/ Enhancement:** Identification of sustainable settlements should include constraints with regard to all types of flooding. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	sustainable building practices. **Enhancement:** Use sequential test approach. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term Significance of effect: Significant.	new developments, this will be beneficial to climate change adaptation. **Enhancement:** Use sequential test approach **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	**Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.
12 To seek to minimise waste generation and encourage the reuse of waste through recycling, compost, or energy recovery.	**0** No direct impact	**0** No direct impact	**0** No direct impact	0 No direct impact	**0** No direct impact

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13 To assist in the development of: a) high and stable levels of employment and facilitating inward investment; b) a strong, innovative and knowledge-based economy that deliver high-value-added, sustainable, low-impact activities; c) small firms, particularly those that maintain and enhance the rural economy; and d) thriving economies in market towns and villages	✓✓	✓	x	x	✓	x
	Allocating development in the towns and larger villages will help promote existing and new small firms and in turn enhance the rural economy. **Enhancement:** There is little scope to enhance this effect. **Likelihood:** High **Scale:** District wide **Temp or perm**: Perm **Timing:** Short to long term **Significance of effect:** Significant.	Focussing all additional housing in Science Vale and 'sustainable settlements' will help promote existing and new small firms and in turn will contribute to enhancing the rural economy. However the impacts may not be as beneficial depending on the identification of sustainable settlements. **Mitigation:** Ensure good sustainable transport links are provided to enhance the rural economy. **Likelihood:** High	Focussing all development in one new settlement will not contribute to enhancing the rural economy. **Mitigation:** Ensure good sustainable transport links are provided to enhance the rural economy. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	This option would require significant amounts of housing to achieve the benefits sought. Unlikely to provide benefits to all areas in need. **Mitigation:** Ensure good sustainable transport links are provided to enhance the rural economy. **Likelihood:** High **Scale:** Large scale **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.	A combination of options A, B,D & H reduces the number of potential issues identified when considering each option alone. Allowing development in a variety of locations will provide the opportunity to ensure that development occurs within the most suitable areas across the district, and the positive impacts will be enhanced, by ensuring that Science Vale, market towns and villages and settlements in need of regeneration and/or specific funding benefit from the positive effects. The identification of suitable settlements is essential. **Mitigation:** Ensure good sustainable transport links are	

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		Scale: District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.			provided to enhance the rural economy. **Likelihood:** High **Scale:** District wide **Temp or perm:** Perm **Timing:** Short to long term **Significance of effect:** Significant.
14 To support the development of Science Vale as an internationally recognised innovation and enterprise zone by: a) attracting new high value businesses; b) supporting innovation and enterprise; c) delivering new jobs; d) supporting and accelerating the	✓	✓ x	x	x	✓
	Providing new required housing: 55% of homes at Didcot, of the remainder 60% to market towns and 40% to the larger villages many of which are within the Science Vale area will provide opportunities for people to live and work close to the Science Vale area.	This approach is likely to deliver houses through the concentration of housing on the growth point within Science Vale. With further housing development allocated to the other ''sustainable settlements'. This option would support the Science Vale AAP; however	A new settlement will require significant infrastructure, and will not support improvement to the infrastructure required across the Science Vale area. **Mitigation:** Ensure adequate infrastructure provision is available through other sources.	This option is unlikely to add overall significant benefit to Science Vale area. **Mitigation:** There is little scope to improve this option. **Likelihood**: High **Scale:** Large scale **Temp or perm:** Perm	A combination of options A, B,D & H reduces the number of potential issues identified when considering each option alone. Market satuation within Science Vale will be less likely. The identification of suitable settlements is essential. **Enhancement:** Continue to monitor future housing numbers.

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delivery of new homes; and e) developing and improving infrastructure across the Science Vale area.	Development not within the Science Vale area will not support improvement to the infrastructure required across the Science Vale area. **Mitigation/ Enhancement:** Ensure adequate infrastructure provision is available through other sources. **Likelihood:** High **Scale:** District wide **Temp or perm**: Perm **Timing:** Short to long term **Significance of effect:** Significant.	in the long term, this could create housing market saturation. **Mitigation/ Enhancement:** Continue to monitor future housing numbers. **Likelihood:** High **Scale:** District wide **Temp or perm**: Perm **Timing:** Short to long term **Significance of effect:** Significant	**Likelihood:** High **Scale:** District wide **Temp or perm:** Perm	**Timing:** Short to long term **Significance of effect:** Significant.	Ensure adequate infrastructure provision is available through other sources. Work with services providers and Oxford City Council to ensure that their unmet housing needs are incorporated into the Local Plan development and future economic growth is considered. **Likelihood:** High **Scale:** District wide **Temp or perm**: Perm **Timing:** Short to long term **Significance of effect:** Significant

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15 To assist in the development of a skilled workforce to support the long term competitiveness of the district by raising education achievement levels and encouraging the development of the skills needed for everyone to find and remain in work.	0	0	0	0	0
	No direct impact	No direct impact	No direct impact	No direct impact	No direct impact
16 To encourage the development of a buoyant, sustainable tourism sector.	0	0	0	0	0
	No direct impact	No direct impact	No direct impact	No direct impact	No direct impact

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17 Support community involvement in decisions affecting them and enable communities to provide local services and solutions.	✓✓	✓✓	✓✓	✓✓	✓✓
	The Council has involved the community in the decision making process. **Mitigation:** Continue to work with the local community.	The Council has involved the community in the decision making process. **Mitigation:** Continue to work with the local community.	The Council has involved the community in the decision making process. **Mitigation:** Continue to work with the local community.	The Council has involved the community in the decision making process. **Mitigation:** Continue to work with the local community.	The Council has involved the community in the decision making process. **Enhancement:** Continue to work with the local community, particularly on site allocations via neighbourhood planning.