

Supporting a Diverse and Prosperous Economy

Issue TH 1: RELEASE OF LAND FOR EMPLOYMENT DEVELOPMENT				
<p>In the event of the Core Strategy pursuing spatial option C ("Sustainable Urban extensions") do you consider that is there a case for potential Green Belt locations being brought forward for development before sites within the current urban area have been completed?</p> <ul style="list-style-type: none"> • Option TH1.1: No, develop land for employment uses on a phased basis ensuring that Green Belt locations are only considered after employment land within the current urban area has been developed. • Option TH1.2: Yes, bring these locations forward for development in the early years of the Plan period. • Option TH1.3: No, I do not support spatial option C and consider that Green Belt locations should not be brought forward for employment development. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH1.1	0	Medium	Employment land in the Green Belt may increase travel costs, but flat fare structures and pre payment tickets (where public transport is available) may aid affordability. This option will delay the increased costs as late as possible and would allow time to plan / develop transport infrastructure.
	TH1.2	0	Medium	Would increase the range and choice of sites available which could make Knowsley more attractive for investment. Travel costs may be increased but flat fare structures and pre payment tickets (where public transport is available) may aid affordability. Public transport infrastructure may not be in place.
	TH1.3	-	Medium	Some employment land will need to be provided in adjoining local authorities. . May limit local job opportunities and access to jobs for Knowsley residents. May increase travel costs.
To improve local accessibility of goods, services and amenities and reduce community severance	TH1.1	0	Low	May increase access to goods, services, and amenities in the short term. This is dependant on the type of jobs created. The use of vacant brownfield land may reduce community severance. The use of Green Belt land in later years may increase community severance.
	TH1.2	0	Medium	Affordability of public transport and lack of public transport infrastructure will not improve local accessibility of goods, services and amenities and reduce community severance. The introduction of public transport infrastructure in the Green Belt to meet the need will reduce community severance to residents who live in the Green Belt.
	TH1.3	?		Some employment land will need to be provided in adjoining local authorities. The location of the land developed will determine the level of improvement to local accessibility of goods, services and amenities.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To improve safety and reduce crime, disorder and fear of crime	TH1.1	?		Depends largely on the design of and access to any employment area.
	TH1.2	-	Medium	There are fewer security measures in place within the Green Belt. There is little natural surveillance and footways may not necessarily be up to the standards expected of the urban areas within the Borough.
	TH1.3	?		Some employment land will need to be provided in adjoining local authorities. Depends largely on the design of and access to any employment area.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH1.1	0	High	Unlikely to have any significant effects.
	TH1.2	0	High	Unlikely to have any significant effects.
	TH1.3	0	High	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH1.1	++	Medium	Access to employment opportunities can have a positive impact on health and wellbeing through increased income and improved confidence / mental health. Employment sites in the urban areas would allow people to walk and cycle to work. Type of employment is also important. Increased noise or pollution may have a detrimental effect on the local community.
	TH1.2	+	Medium	Access to employment opportunities can have a positive impact on health and wellbeing through increased income and improved confidence / mental health. Access to the employment opportunities, however, may be limited to those residents with access to a vehicle.
	TH1.3	+	Medium	Access to employment opportunities can have a positive impact on health and wellbeing through increased income and improved confidence / mental health. Location of new employment may limit job opportunities to Knowsley residents.
To provide good quality, affordable and resource efficient housing	TH1.1	0	High	Unlikely to have any significant effects.
	TH1.2	0	High	Unlikely to have any significant effects.
	TH1.3	0	High	Unlikely to have any significant effects.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH1.1	+	Medium	Increase employment may lead to increased on job training.
	TH1.2	+	Medium	Increase employment may lead to increased on job training.
	TH1.3	-	Medium	Increase employment may lead to increased on job training. Location of new employment may limit job opportunities, and therefore on job training to Knowsley residents.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH1.1	+	Medium	Depending on location and the design. May create opportunities to use or re-use buildings
	TH1.2	+	Medium	Depending on location and the design. May create opportunities to use or re-use buildings
	TH1.3	0	Medium	There are only a small number of historic buildings near to the Borough boundary and these are in locations unlikely to be developed for employment purposes.

Environment				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH1.1	-	Medium	Building in the Green Belt in the latter part of the plan period could degrade aspects of the Borough's landscape and countryside.
	TH1.2	--	Medium	Building in the Green Belt could degrade aspects of the Borough's landscape and countryside.
	TH1.3	0	High	Continuing to restrict development in the Green Belt will protect the countryside.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH1.1	0	Medium	Depends on the location and design. May provide opportunities for delivery of biodiversity through planning obligations, however, Green Belt release should be considered against delivery of the Ecological Framework
	TH1.2	0	Medium	Depends on the location. May provide opportunities for delivery of biodiversity, through planning obligations, however, Green Belt release should be considered against delivery of the Ecological Framework
	TH1.3	+	Medium	Continuing to restrict development in the Green Belt will help to protect.
To adapt to climate change including flood risk	TH1.1	0	Medium	Building on Green Belt in the latter part of the plan period potentially helps alleviate flooding and provides cool areas in heat waves. Mitigation measures could be included in design, siting etc.
	TH1.2	-	Medium	Green Belt potentially helps alleviate flooding and provides cool areas in heat waves. Mitigation measures could be included in design, siting etc.
	TH1.3	0	Medium	Unlikely to have any significant effects.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH1.1	-	Medium	Building on Green Belt in the latter part of the plan period may mean loss of trees that absorb CO ² . Mitigation measures could be included in design, siting etc.
	TH1.2	-	Medium	Building on Green Belt may mean loss of trees that absorb CO ² . Mitigation measures could be included in design, siting etc.
	TH1.3	0	Medium	Unlikely to have any significant effects.
To provide, conserve, maintain and enhance green infrastructure	TH1.1	+	Medium	Developer contributions from development in the urban area may be used to enhance the green infrastructure.
	TH1.2	0	Medium	Developing in the Green Belt will reduce the overall amount of green infrastructure. It will, however, enable developer contributions to be used to conserve, maintain and enhance what remains and give opportunity to improve function existing Green Infrastructure.
	TH1.3	0	High	Continuing to restrict development in the Green Belt will help to protect green infrastructure.
To protect, manage and restore land and soil quality	TH1.1	+	Medium	The use of previously developed sites in the urban area will enable some clean up of sites and address some contamination issues.
	TH1.2	-	Medium	The use of Green Belt sites may reduce soil quality or may lead to permanent loss of the Best and Most Versatile Land.
	TH1.3	0	Medium	Unlikely to have any significant effects.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH1.1	?		Depending on location may have a negative effect.
	TH1.2	?		Depending on location may have a negative effect.
	TH1.3	?		Depending on location may have a negative effect.
To protect, and where necessary, improve local air quality.	TH1.1	0	Medium	Intensifying level of development in the urban area could have localised impacts on air quality. Mitigation measures could, however, be included in building design. Increased travelling distances in the latter part of the plan period may adversely affect air quality.
	TH1.2	0	Medium	Mitigation measures could be included in building design. Increased travelling distances may adversely affect air quality.
	TH1.3	0	Medium	Mitigation measures could be included in building design. Increased travelling distances may adversely affect air quality.
To use water and mineral resources prudently and efficiently.	TH1.1	+	Medium	Re-building in urban areas gives greater scope for recycling aggregate and less infrastructure.
	TH1.2	-	Medium	Depending on location may have a negative effect on mineral resources / landbanks
	TH1.3	+	Medium	Re-building in urban areas gives greater scope for recycling aggregate and less infrastructure.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH1.1	+	High	Development in urban areas in the early part of the plan period may reduce the need to travel and improve choice and use of more sustainable transport modes.
	TH1.2	-	High	Development in the Green Belt will increase the need to travel and new public transport infrastructure will need to be put in place.
	TH1.3	+	Low	Development in the Borough's urban areas may reduce the need to travel and improve choice and use of more sustainable transport modes. If development is to be in adjoining district this will increase the need to travel but may lead to increase in public transport provision.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH1.1	+	Medium	Opportunities for on-site use of construction / demolition waste therefore reducing off site disposal and waste miles.
	TH1.2	0	Medium	Dependent on location but likely to lead to more waste miles as waste management facilities generally located in urban areas / industrial estates.
	TH1.3	0	Medium	Unlikely to have any significant effects.

Economic				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH1.1	++	High	The availability of employment land will assist in exploiting growth potential and enable the number of new businesses to be increased.
	TH1.2	++	High	The availability of employment land will assist in exploiting growth potential and enable the number of new businesses to be increased.
	TH1.3	0	Medium	The availability of employment land will assist in exploiting growth potential and enable the number of new businesses to be increased. If, however, the availability of employment land is limited to the urban area, this potential will be restricted.
To enhance the vitality and viability of town and local centres	TH1.1	+	High	Increased employment near centres likely to lead to increase in number of customers. .
	TH1.2	+	Medium	Increased employment in Green Belt may to lead to increase in local service provision. .
	TH1.3	-	Medium	Could undermine Knowsley's centres by supporting development of centres in neighbouring authorities. .
Maintain high and stable levels of employment and reduce long-term unemployment	TH1.1	+	Low	New employment types will need to be linked to resident's skills or skill levels increased.
	TH1.2	+	Low	New employment types will need to be linked to resident's skills or skill levels increased.
	TH1.3	0	Medium	Restricting locations for employment development may restrict employment opportunities.
Sustainability Summary	<p>Option TH1.1 has the most positive effect on the SA's social and environmental objectives. Option 1.2 produces a significant number of negative effects on the SA's environmental objectives. Many of them, however, could be mitigated against by good design and siting. Options TH1.1 and TH1.2 produce similar positive effects on the economic objectives. There is some uncertainty on the outcomes for Option TH1.3 because if this option is chosen some employment land will need to be provided in adjoining authorities and the exact location of the sites is unknown.</p> <p>Overall, Option TH1.1 would be the most sustainable option.</p>			
Key for effects				
++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

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Issue TH 2: SAFEGUARDING OF EMPLOYMENT LAND.				
Should sites which are allocated for employment development be reserved for this use?				
<ul style="list-style-type: none"> • Option TH2. 1: Ensure all land which is identified for employment development continues to be reserved for employment use in general but do not reserve it for specific employment uses. • Option TH2: Ensure all land which is identified for employment development continues to be reserved for employment uses but restrict the use of some sites to specific employment types, for example offices or knowledge based industries. • Option TH2.3: Allow other uses such as housing on some sites which are currently designated as employment land, for example those sites outside the main industrial parks. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH2.1	+	Medium	Ensuring an adequate supply of employment land will create greater employment opportunities thus reducing poverty and social deprivation. Gives opportunity to a greater range of developments.
	TH2.2	++	Medium	Ensuring an adequate supply of employment land will create greater employment opportunities thus reducing poverty and social deprivation. Gives the opportunity for higher density jobs and targeting employment to skills of residents.
	TH2.3	-	Medium	A reduction in the amount of land available for employment may restrict job opportunities.
To improve local accessibility of goods, services and amenities and reduce community severance	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	0	Medium	Unlikely to have any significant effects.
	TH2.3	+	Medium	Increase in number of residential properties may increase viability of local centres
To improve safety and reduce crime, disorder and fear of crime	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	0	Medium	Unlikely to have any significant effects.
	TH2.3	+	Medium	Increase in residential properties will increase natural surveillance.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	0	Medium	Unlikely to have any significant effects.
	TH2.3	0	Medium	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	+	Medium	Offices and knowledge based industries are more likely to have healthier environments.
	TH2.3	?		Contamination of employment land may have a negative impact on health. Decontamination of site may be necessary.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To provide good quality, affordable and resource efficient housing	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	0	Medium	Unlikely to have any significant effects.
	TH2.3	+	Medium	Additional residential land will give greater opportunity for good quality, affordable and resource efficient housing.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH2.1	+	Low	Ensuring an adequate supply of employment land will create greater employment opportunities which may include training.
	TH2.2	+	Low	Ensuring an adequate supply of employment land will create greater employment opportunities which may include training. Gives the opportunity for targeting employment to needs of residents.
	TH2.3	-	Low	Loss of employment land could reduce opportunities for workplace training, etc.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	0	Medium	Unlikely to have any significant effects.
	TH2.3	+	Medium	Residential uses may be more sympathetic than employment uses for some locations.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	0	Medium	Unlikely to have any significant effects.
	TH2.3	0	Medium	Unlikely to have any significant effects.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH2.1	?		Depends on site layout.
	TH2.2	?		Depends on site layout.
	TH2.3	+	Medium	New uses may allow for better protection of natural environment.
To adapt to climate change including flood risk	TH2.1	0	Medium	Can be mitigated through design for most uses.
	TH2.2	0	Medium	Can be mitigated through design for most uses.
	TH2.3	+	Medium	Flood risk will have to be better managed if residential is the preferred use because employment uses can go on land where flood risk would not allow residential.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH2.1	0	Medium	Energy efficiency and generation from renewable resources can be promoted through design.
	TH2.2	0	Medium	Energy efficiency and generation from renewable resources can be promoted through design. Restriction of employment uses could afford extra opportunities to tailor design requirements that support renewable energy.
	TH2.3	+	Medium	Alternative uses may also bring opportunities to secure sustainable design and localised renewable energy e.g. solar panels on new houses.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To provide, conserve, maintain and enhance green infrastructure	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	0	Medium	Unlikely to have any significant effects.
	TH2.3	?		Will only have an effect if the new use includes new green infrastructure.
To protect, manage and restore land and soil quality	TH2.1	+	Medium	Development will enable some clean up of sites and address some contamination issues.
	TH2.2	+	Medium	Development will enable some clean up of sites and address some contamination issues.
	TH2.3	++	Medium	Development for residential purposes will require cleaning up of sites to a higher standard Where they are contaminated.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH2.1	0	Medium	Only effect if site is near water course.
	TH2.2	0	Medium	Only effect if site is near water course.
	TH2.3	?		Development for residential purposes may produce less contamination of inland and estuarine waters.
To protect, and where necessary, improve local air quality.	TH2.1	0	Medium	Mitigation measures could be included in building design.
	TH2.2	0	Medium	Restricting development to higher job densities uses, e.g. offices, could impact on traffic movements. Mitigation measures could be included in building design.
	TH2.3	0	Medium	Mitigation measures could be included in building design.
To use water and mineral resources prudently and efficiently.	TH2.1	0	Medium	Mitigation measures could be included in building design.
	TH2.2	0	Medium	Mitigation measures could be included in building design.
	TH2.3	0	Medium	Mitigation measures could be included in building design.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH2.1	?		Depends on existing provision of public transport.
	TH2.2	?		Depends on existing provision of public transport.
	TH2.3	0	Medium	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH2.1	0	Medium	Unlikely to have any significant effects.
	TH2.2	0	Medium	Unlikely to have any significant effects.
	TH2.3	?		Only effect if overall housing provision is increased.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH2.1	+	High	The continued availability of employment land is essential for increasing the number of new businesses. Greater flexibility could make the Borough more attractive to a wider variety of potential investors
	TH2.2	+	High	Higher density uses, such as offices, will allow more productive use of land, however specifying uses may lead to an inability to adapt to unforeseen growth potential in emerging sectors
	TH2.3	-	Medium	There is currently a shortage of employment land in the urban areas; loss of employment land will exacerbate the issue.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To enhance the vitality and viability of town and local centres	TH2.1	+	Medium	Increased employment may lead to increased spending in the town and local centres.
	TH2.2	+	Medium	Increased employment may lead to increased spending in the town and local centres.
	TH2.3	+	Medium	Increased number of residents resulting from increased housing may lead to increased spending in the town and local centres.
Maintain high and stable levels of employment and reduce long-term unemployment	TH2.1	+	High	Reserving land for only employment uses may lead to more employment.
	TH2.2	++	High	Reserving land for specific employment types such as office or knowledge based industries may lead to more employment.
	TH2.3	-	High	Reducing available employment land may reduce employment opportunities.
Sustainability Summary	Options TH2.2 will have the most positive effect on the SA's social and economic objectives. Option TH2.3 will have the most positive effect of the SA's environmental objectives. This is, in the main, because residential development will be built to a higher standard. Option TH2.2 will therefore be the most sustainable option but good design will be needed to mitigate negative environmental effects.			
Key for effects ++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

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Issue TH 3: FOOD SUPPLY AND USE OF AGRICULTURAL LAND				
Should Knowsley's stock of "best and most versatile" agricultural land (see Map8.1) be primarily reserved for use in production of food or should a broader mix of rural uses be encouraged even if this results in irreversible loss of high quality farm land?				
<ul style="list-style-type: none"> • Option TH3.1: Preserve areas of high quality agricultural land for farming uses and only permit other uses in exceptional circumstances. • Option TH3.2: Permit a wider range of rural land uses on agricultural land, including permitting some uses in areas of high quality agricultural land. Areas of poorer quality grade land would be selected in preference to higher quality land. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH3.1	0	High	May protect economic and social interests of existing farm operators through protecting of farming based job-opportunities.
	TH3.2	+	Low	May open up opportunities for non agricultural / rural diversification businesses.
To improve local accessibility of goods, services and amenities and reduce community severance	TH3.1	+	High	May assist in improving accessibility to locally produced goods. May also reduce community severance by maintaining viability of farming communities
	TH3.2	+	High	Improved accessibility to rural goods and services by relaxing the restriction on best and most versatile agricultural land
To improve safety and reduce crime, disorder and fear of crime	TH3.1	0	High	Unlikely to have any significant effects.
	TH3.2	+	Medium	Improved natural surveillance. Regeneration of vacant rural farms and buildings may reduce antisocial behaviour.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH3.1	+	Medium	May support local farming communities
	TH3.2	+	Medium	May benefit rurally based social enterprises.
To improve health and reduce health inequalities	TH3.1	+	High	Continued local production of high quality food. Continued employment opportunities increasing income and general well-being.
	TH3.2	+	Medium	Increased recreational and employment opportunities.
To provide good quality, affordable and resource efficient housing	TH3.1	0	Medium	Unlikely to have any significant effects.
	TH3.2	?		Depends on definition of 'rural land uses', paragraph 8.17 of the Issues and Options Report suggests that it could include golf courses but PPG2 & PPS7 definitions permit occupational dwellings.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH3.1	0	Medium	Unlikely to have any significant effects.
	TH3.2	+	High	Increased opportunity for school trips and learning outings plus the opportunity for training and employment.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH3.1	+	Medium	May assist in protecting archaeological assets and the setting of historic buildings.
	TH3.2	+	Medium	Potentially through the sterilisation of land and unsympathetic refurbishing of buildings of cultural and archaeological importance.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH3.1	0	Medium	Continued agricultural activity will maintain rural character
	TH3.2	0	Medium	Appropriate alternative rural use could support increased accessibility to rural areas
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH3.1	+	Medium	Maintenance of rural areas as farmland will support existing habitats
	TH3.2	+	Medium	Other rural uses could be complementary to maintenance of habitats, etc.
To adapt to climate change including flood risk	TH3.1	+	Medium	Potentially helps alleviate to flooding and provides cool areas in heat waves
	TH3.2	-	Medium	New development could potentially increase runoff although this could be mitigated against through good design.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH3.1	+	Medium	Local food supply reduces carbon from transport. Biomass crops may be grown.
	TH3.2	0	Medium	Only if renewable energy form part of the development.
To provide, conserve, maintain and enhance green infrastructure	TH3.1	++	High	Helps to maintain the Green Belt
	TH3.2	+	Medium	A wider range of rural uses could offer opportunities to enhance Green Infrastructure
To protect, manage and restore land and soil quality	TH3.1	++	High	Impact will be greater on higher grade agricultural land.
	TH3.2	-	Medium	Depending on use, may lower quality
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH3.1	?		Agricultural run-off can adverse effect inland and estuarine water quality.
	TH3.2	0	Medium	Water quality could be managed through good design.
To protect, and where necessary, improve local air quality.	TH3.1	0	Medium	Unlikely to have any significant effects.
	TH3.2	-	Medium	Air pollution from increased travelling distances to development in the Green Belt.
To use water and mineral resources prudently and efficiently.	TH3.1	0	High	Unlikely to have any significant effects.
	TH3.2	-	Medium	Potential from non mineral development to sterilise mineral resources.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH3.1	0	Medium	Unlikely to have any significant effects.
	TH3.2	-	Medium	New development may increase need to travel.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH3.1	0	Medium	Most agricultural waste is currently re-used or recycled on the farm.
	TH3.2	0	Medium	Depends on the development and the types of waste produced. Use of recycled aggregate can be promoted through design process
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH3.1	0	Medium	Unlikely to have any significant effects.
	TH3.2	+	Medium	Wider range of land use would potentially increase new business start ups
To enhance the vitality and viability of town and local centres	TH3.1	0	Medium	Unlikely to have any significant effects.
	TH3.2	0	Medium	Unlikely to have any significant effects.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Maintain high and stable levels of employment and reduce long-term unemployment	TH3.1	0	Medium	Unlikely to have any significant effects.
	TH3.2	+	Medium	More and diverse range of business would provide more job opportunities.
Sustainability Summary	<p>Option TH3.2 has the most positive effect on the SA's social objectives with the options ability to provide good quality, affordable and resource efficient housing being unknown. This is unknown because of the uncertainty over whether rural land uses would include residential use.</p> <p>It will also have the most beneficial effect on the SA's economic objectives. Option TH3.2 will, however, have mainly negative effects on the SA's environmental objectives.</p> <p>Overall, Option TH3.2 would obtain most positive sustainable outcomes, however, once development takes place any high quality agricultural land affected would potentially be sterilised and permanently lost. To mitigate any potential adverse impact to agricultural land, developers could be required to demonstrate that the proposal is located on the lowest practicable grade of agricultural land. Planning application affecting agricultural land could be supported by information setting out how soil resources will be protected from irreversible damage and sterilisation.</p>			
Key for effects				
++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

Supporting a Diverse and Prosperous Economy

Issue TH 4: FUTURE ROLE OF KNOWSLEY'S DISTRICT AND LOCAL SHOPPING PARADES				
What steps should be taken to more effectively manage Knowsley's network of district and local shopping areas?				
<ul style="list-style-type: none"> • Option TH4.1: Encourage more non-shopping uses such as small scale community uses or offices to improve the viability of the centres. • Option TH4.2: Consider reducing the size of some shopping centres / parades in order to concentrate retail functions and encourage uses such as housing in the de-designated areas. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH4.1	+	Medium	May support increased local employment opportunities and opportunities to access local community facilities. May improve levels of inclusion through community uses
	TH4.2	?		Loss of local shopping facilities could have a negative impact on inclusion and community cohesion but the unit may already be vacant. Retail units may relocate to smaller centre
To improve local accessibility of goods, services and amenities and reduce community severance	TH4.1	+	Medium	Small scale community uses will improve accessibility to services and reduce community severance.
	TH4.2	-	Medium	If unit is currently in use may lead to loss of local shopping facilities and reduce accessibility for some communities to goods and services
To improve safety and reduce crime, disorder and fear of crime	TH4.1	+	Medium	Improved viability, footfall and image of centre are likely to reduce crime and fear of crime
	TH4.2	+	Medium	Increased natural surveillance.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH4.1	+	Medium	Vacant retail units could be used for community uses and promotion of social enterprises.
	TH4.2	0	Medium	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH4.1	+	High	Improved viability will ensure that centres exist in walking / cycling distance. Centres will also continue to provide an important social function.
	TH4.2	0	Medium	Unlikely to have any significant effects.
To provide good quality, affordable and resource efficient housing	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	++	High	Houses would be built or converted to modern standards and may be affordable.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH4.1	+	Medium	May be improved due to increased job opportunities
	TH4.2	0	Medium	Unlikely to have any significant effects.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH4.1	0	Medium	Unlikely to affect cultural, historic and archaeological buildings, areas, sites and features.
	TH4.2	0	Medium	Unlikely to affect cultural, historic and archaeological buildings, areas, sites and features
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	0	Medium	Unlikely to have any significant effects.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	0	Medium	Unlikely to have any significant effects.
To adapt to climate change including flood risk	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	0	Medium	Unlikely to have any significant effects.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	?	Medium	New buildings or conversions may be to a higher insulation standard dependant on use of building.
To provide, conserve, maintain and enhance green infrastructure	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	0	Medium	Unlikely to have any significant effects.
To protect, manage and restore land and soil quality	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	0	Medium	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH4.1	0	Medium	May lead to increase in air pollution if travel to shops is increased
	TH4.2	0	Medium	May lead to increase in air pollution if travel to shops is increased
To use water and mineral resources prudently and efficiently.	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	-	Medium	New development will require water and mineral resources.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH4.1	+	Medium	If the centres fail it will increase the need to travel for shopping. It may, however, reduce the need to travel for the new community use / offices.
	TH4.2	+	Low	Residential use within centres would mean new residents have very good access to shops and facilities
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH4.1	0	Medium	Unlikely to have any significant effects.
	TH4.2	0	Medium	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH4.1	++	Medium	Changing vacant retail units to office accommodation will increase the number of new businesses.
	TH4.2	+	High	May improve vibrancy and vitality of centres
To enhance the vitality and viability of town and local centres	TH4.1	+	High	May improve vibrancy and vitality of centres
	TH4.2	+	Medium	Could improve vibrancy and vitality of centres

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Maintain high and stable levels of employment and reduce long-term unemployment	TH4.1	++	High	Provide further employment
	TH4.2	0	Medium	Unlikely to have any significant effects.
Sustainability Summary	Option TH4.1 would meet most social and economic objectives and have little impact on the environmental objectives Option TH4.1 would therefore be the most sustainable option.			
Key for effects ++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

Balancing the Housing Market

Issue TH 5: AFFORDABLE HOUSING				
How should the Core Strategy tackle the issue of affordable housing?				
<ul style="list-style-type: none"> • Option TH5.1: Set an overall minimum affordable housing target to be applied to all private sector developments over a minimum site size threshold, subject to site viability – irrespective of where they are in the Borough. • Option TH5.2: Set an overall affordable housing target and site size threshold for all suitable private sector developments, subject to site viability, but vary the amount of affordable housing required between townships to meet localised need. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH5.1	+	Medium	Provision of affordable housing will reduce poverty
	TH5.2	++	Medium	Will be able target need better.
To improve local accessibility of goods, services and amenities and reduce community severance	TH5.1	+	Medium	Providing affordable housing as part of private housing developments will support increased social inclusion and reduced severance.
	TH5.2	++	Medium	Will be able target need better. Providing affordable housing as part of private housing developments will support increased social inclusion and reduced severance.
To improve safety and reduce crime, disorder and fear of crime	TH5.1	+	Medium	Integration of affordable and market housing may lead to sense of community and lead to increase in natural surveillance
	TH5.2	+	Medium	Integration of affordable and market housing may lead to sense of community and lead to increase in natural surveillance
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH5.1	0	Medium	Mix of affordable and market housing may lead to community integration
	TH5.2	0	Medium	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH5.1	0	Medium	New Affordable housing may enable residents to move to higher standard of accommodation. Providing affordable housing in the wrong areas may result in relocation and isolation.
	TH5.2	+	Medium	New affordable housing may enable residents to move to higher standard of accommodation. Will be able target need better.
To provide good quality, affordable and resource efficient housing	TH5.1	++	Medium	Will provide good quality, affordable and resource efficient housing
	TH5.2	++	Medium	Will provide good quality, affordable and resource efficient housing
To improve educational attainment, training and opportunities for lifelong learning and employability	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To adapt to climate change including flood risk	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To provide, conserve, maintain and enhance green infrastructure	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To protect, manage and restore land and soil quality	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To use water and mineral resources prudently and efficiently.	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
To enhance the vitality and viability of town and local centres	TH5.1	?		Depends on the location.
	TH5.2	?		Depends on the location.
Maintain high and stable levels of employment and reduce long-term unemployment	TH5.1	0	Medium	Unlikely to have any significant effects.
	TH5.2	0	Medium	Unlikely to have any significant effects.
Sustainability Summary	Both options TH5.1 and TH5.2 are unlikely to have any significant effects on the SA's environmental and economic objectives. For the SA's social objectives, however, option TH5.2 has the most positive effect. Option TH5.2 would therefore be the most sustainable option.			

Key for effects

++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain

Balancing the Housing Market

Issue TH 6: TACKLING LOW DEMAND AREAS AND RENEWING THE EXISTING HOUSING STOCK				
Which approach should be used to tackle low demand areas and renew the existing housing stock?				
<ul style="list-style-type: none"> • Option TH6.1: Target housing renewal initiatives into existing priority areas (primarily North Huyton) whilst, within the rest of the Borough, restricting renewal activity solely to those individual dwellings, blocks of flats and/or small groups of dwellings which require treatment. • Option TH6.2: In addition to targeting housing renewal initiatives into existing priority areas, also target other localised deprived areas such as Stockbridge Village for comprehensive regeneration. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH6.1	+	High	Improving housing stock will reduce poverty through more fuel efficient housing.
	TH6.2	++	High	Improving housing stock will reduce poverty through more fuel efficient housing for more people.
To improve local accessibility of goods, services and amenities and reduce community severance	TH6.1	+	Medium	Renewal programmes can boost local populations and hence support viability for localised service provision.
	TH6.2	++	Medium	Renewal programmes can boost local populations and hence support viability for localised service provision.
To improve safety and reduce crime, disorder and fear of crime	TH6.1	+	Medium	Improvements to built environment can assist in reducing crime and antisocial behaviour
	TH6.2	++	Medium	Improvements to built environment can assist in reducing crime and antisocial behaviour
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH6.1	+	Medium	Opportunities for community participation in planning and implementation of regeneration schemes
	TH6.2	+	Medium	Opportunities for community participation in planning and implementation of regeneration schemes
To improve health and reduce health inequalities	TH6.1	+	High	Improving housing conditions can benefit physical health by dealing with damp and improving warmth, which also has related mental health benefits.
	TH6.2	++	High	Improving housing conditions can benefit physical health by dealing with damp and improving warmth, which also has related mental health benefits. Extending the area of renewal will benefit a greater number of people.
To provide good quality, affordable and resource efficient housing	TH6.1	+	High	New and improved houses will be more resource efficient.
	TH6.2	++	High	New and improved houses will be more resource efficient. Extending to the area of renewal will benefit a greater number of people but may dilute impact

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SA Objective	Option	Effect	Certainty	Comments and Mitigation
To improve educational attainment, training and opportunities for lifelong learning and employability	TH6.1	+	Medium	Improving housing conditions can benefit physical health and therefore greater attendance at learning centres. May result in increase employment opportunities
	TH6.2	++	Medium	Improving housing conditions can benefit physical health and therefore greater attendance at learning centres. Benefits could be spread further across the Borough
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH6.1	0	Medium	Will only have an effect if the building to be improved is a historic building.
	TH6.2	0	Medium	Will only have an effect if the building to be improved is a historic building.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH6.1	0	Medium	Unlikely to have any significant effects.
	TH6.2	0	Medium	Unlikely to have any significant effects.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH6.1	0	Medium	Unlikely to have any significant effects.
	TH6.2	0	Medium	Unlikely to have any significant effects.
To adapt to climate change including flood risk	TH6.1	0	Medium	Unlikely to have any significant effects.
	TH6.2	0	Medium	Unlikely to have any significant effects.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH6.1	+	High	Improved houses will be built to a higher insulation standard. Large scale housing schemes will give the opportunity to utilise renewable and low carbon energy schemes.
	TH6.2	++	High	Improved houses will be built to a higher insulation standard. Large scale housing schemes will give the opportunity to utilise renewable and low carbon energy schemes further across the Borough
To provide, conserve, maintain and enhance green infrastructure	TH6.1	+	Medium	Housing renewal will give opportunity to provide and enhance green infrastructure.
	TH6.2	+	Medium	Housing renewal will give opportunity to provide and enhance green infrastructure further across the Borough
To protect, manage and restore land and soil quality	TH6.1	0	Medium	Unlikely to have any significant effects.
	TH6.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH6.1	0	Medium	Unlikely to have any significant effects.
	TH6.2	0	Medium	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH6.1	0	Medium	Unlikely to have any significant effects.
	TH6.2	0	Medium	Unlikely to have any significant effects.
To use water and mineral resources prudently and efficiently.	TH6.1	-	Medium	New and improved houses will require water and mineral resources. Some of this can be offset by grey water recycling.
	TH6.2	-	Medium	New and Improved houses will require water and mineral resources. Some of this can be offset by grey water recycling.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH6.1	0	Medium	May improve local accessibility and transport links through wider investment in new infrastructure. Increased population could also support viability of public transport links
	TH6.2	0	Medium	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH6.1	0	Medium	Unlikely to have any significant effects.
	TH6.2	0	Medium	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH6.1	+	Low	Will improve the attractiveness of the area for business investment. Local business could get involved in service provision and construction projects.
	TH6.2	++	Low	Will improve the attractiveness of the area for business investment over a wider area. Local business could get involved in service provision and construction projects.
To enhance the vitality and viability of town and local centres	TH6.1	+	Medium	Increase occupancy rates resulting in population growth may enhance the viability of centre
	TH6.2	+	Medium	Increase occupancy rates resulting in population growth may enhance the viability of centre
Maintain high and stable levels of employment and reduce long-term unemployment	TH6.1	+	Low	Job opportunities associated with construction programmes
	TH6.2	+	Low	Job opportunities associated with construction programmes
Sustainability Summary	Options TH6.1 and TH6.2 give similar outcomes for the SA's environmental and economic objectives. In the environment objective's case both options are unlikely to lead to any significant effect. For the SA's social objectives, however, option TH6.2 has the most positive effect. Option TH6.2 would therefore be the most sustainable option.			
Key for effects				
++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

Balancing the Housing Market

Issue TH 7: DWELLING SIZES AND TYPES				
Which approach do you prefer to ensure there is a mix of dwelling sizes and types to meet needs?				
<ul style="list-style-type: none"> • Option TH7.1: For all developments over a certain size, prescribe the mix of dwelling sizes and types to be provided across the borough. • Option TH7.2: In different areas of the borough, for all developments over a certain size, prescribe a mix of dwelling sizes and types to meet localised need. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH7.1	+	High	Prescribing the mix of dwelling sizes and types will ensure that dwellings are built for all.
	TH7.2	++	High	Prescribing the mix of dwelling sizes and types will ensure that dwellings are built for all. Will be better able to match need and supply
To improve local accessibility of goods, services and amenities and reduce community severance	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To improve safety and reduce crime, disorder and fear of crime	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH7.1	+	High	Prescribing the mix of dwelling sizes and types will help to prevent overcrowding. It will also help to prevent under occupation leading to excessive heating costs.
	TH7.2	++	High	Prescribing the mix of dwelling sizes and types will help to prevent overcrowding. It will also help to prevent under occupation leading to excessive heating costs. Will be better able to tackle localised need.
To provide good quality, affordable and resource efficient housing	TH7.1	+	High	Ensuring that housing provided is of the right size will help to reduce vacancy, under and over-occupation.
	TH7.2	+	High	Ensuring that housing provided is of the right size will help to reduce vacancy, under and over-occupation.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH7.1	0	Medium	Only effect if close to a protected historic setting or if the proposal is for a historic building to be converted or developed would meet the size criteria.
	TH7.2	0	Medium	Only effect if close to a protected historic setting or if the proposal is for a historic building to be converted or developed would meet the size criteria.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To adapt to climate change including flood risk	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To provide, conserve, maintain and enhance green infrastructure	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To protect, manage and restore land and soil quality	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
To use water and mineral resources prudently and efficiently.	TH7.1	?		Will depend on house size but unlikely to have any significant effects.
	TH7.2	?		Will depend on house size but unlikely to have any significant effects.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH7.1	?		May have a positive effect but it will depend on location.
	TH7.2	?		May have a positive effect but it will depend on location.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH7.1	+	Medium	Prescribing dwelling sizes will allow for development of executive housing which may lead to new businesses.
	TH7.2	+	Medium	Prescribing dwelling sizes will allow for development of executive housing which may lead to new businesses.
To enhance the vitality and viability of town and local centres	TH7.1	+	Medium	Provision of an appropriate and attractive mix of dwellings could secure local population levels and provide customers / service users for town and local centres.
	TH7.2	+	Medium	Provision of an appropriate and attractive mix of dwellings could secure local population levels and provide customers / service users for town and local centres.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Maintain high and stable levels of employment and reduce long-term unemployment	TH7.1	0	Medium	Unlikely to have any significant effects.
	TH7.2	0	Medium	Unlikely to have any significant effects.
Sustainability Summary	Options TH7.1 and TH7.2 give similar outcomes for the SA's environmental and economic objectives with, in many cases, both options are unlikely to lead to any significant effect on the environmental objectives. For the SA's social objectives, however, option TH7.2 has the most positive effect. Option TH7.2 would therefore be the most sustainable option.			
Key for effects ++ major positive; + minor positive; 0 neutral; - minor negative; -- major negative; ? uncertain				

Balancing the Housing Market

Issue TH 8: ACCOMMODATION FOR OLDER PEOPLE AND OTHER VULNERABLE GROUPS				
How can we best provide accommodation to meet the needs of older people and other vulnerable groups?				
<ul style="list-style-type: none"> • Option TH8.1: Do not require any specialist accommodation for older people and other vulnerable groups and allow provision to be led by the market. • Option TH8.2: Identify criteria that would need to be met when providing sites for older people and other vulnerable groups, for example to ensure that sites are in accessible locations and close to health and other community facilities. • Option TH8.3: Identify broad locations for the provision of specialist accommodation for older people and other vulnerable groups. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH8.1	?		May exacerbate issue if the market fails to provide sufficient accommodation
	TH8.2	+	High	May help to ensure that specialist residential accommodation is located in the most appropriate location to support an holistic approach to service provision for vulnerable groups thereby helping to reduce deprivation
	TH8.3	+	High	May help to ensure that specialist residential accommodation is located in the most appropriate location to support an holistic approach to service provision for vulnerable groups thereby helping to reduce deprivation
To improve local accessibility of goods, services and amenities and reduce community severance	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	+	High	More prescriptive approach will direct development to the most appropriate location.
	TH8.3	+	High	More prescriptive approach will direct development to the most appropriate area.
To improve safety and reduce crime, disorder and fear of crime	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	+	Medium	Directing accommodation to locations with good accessibility and surveillance, may reduce vulnerability to crime and antisocial behaviour
	TH8.3	+	Medium	Directing accommodation to locations with good accessibility and surveillance, may reduce vulnerability to crime and antisocial behaviour
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH8.1	0	Medium	Could be positive as the market is likely to provide some accommodation but the effects are not likely to be significant.
	TH8.2	++	High	More prescriptive approach will direct development to the most appropriate location. Could involve older people and vulnerable groups in decision making
	TH8.3	+	High	More prescriptive approach will direct development to the most appropriate area. Could involve older people and vulnerable groups in decision making

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To improve health and reduce health inequalities	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	++	High	More prescriptive approach will direct development to the most appropriate location. This could include doctor's surgeries, day centres etc.
	TH8.3	+	High	More prescriptive approach will direct development to the most appropriate area. This could include doctor's surgeries, day centres etc.
To provide good quality, affordable and resource efficient housing	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	+	Medium	Criteria could include level of affordable and resource efficient housing
	TH8.3	0	Medium	Unlikely to have any significant effects.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH8.1	0	Medium	Unlikely to have any significant effects. Unless development of accommodation involves conversion or change of use of an historic building.
	TH8.2	0	Medium	Unlikely to have any significant effects. Unless development of accommodation involves conversion or change of use of an historic building.
	TH8.3	0	Medium	Unlikely to have any significant effects. Unless development of accommodation involves conversion or change of use of an historic building.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To adapt to climate change including flood risk	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To provide, conserve, maintain and enhance green infrastructure	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To protect, manage and restore land and soil quality	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH8.1	?		Dependent on location, may lead to increased travel and therefore increased air pollution.
	TH8.2	0	Medium	Criteria would be likely to include sustainable locations Unlikely to have any significant effects.
	TH8.3	0	Medium	Broad location would likely to be in sustainable locations Unlikely to have any significant effects.
To use water and mineral resources prudently and efficiently.	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	++	High	Most accessible sites close to local facilities will reduce the need to travel.
	TH8.3	+	High	Most accessible locations close to local facilities will reduce the need to travel.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
To enhance the vitality and viability of town and local centres	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects unless the inclusion of close proximity to town centres is included in criteria.
	TH8.3	0	Medium	Unlikely to have any significant effects unless the inclusion of close proximity to town centres is included in criteria for broad area of search.
Maintain high and stable levels of employment and reduce long-term unemployment	TH8.1	0	Medium	Unlikely to have any significant effects.
	TH8.2	0	Medium	Unlikely to have any significant effects.
	TH8.3	0	Medium	Unlikely to have any significant effects.
Sustainability Summary	In many cases, the options are unlikely to lead to any significant effect on the objectives. There is however, some social benefit in Option TH8.2. Option TH8.2 would therefore bring greatest benefits if it was the preferred option.			
Key for effects ++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

Balancing the Housing Market

Issue TH 9: SITES FOR GYPSIES AND TRAVELLERS AND/OR TRAVELLING SHOWPEOPLE				
How can we best provide sites for Gypsies and Travellers and/or Travelling Showpeople?				
<ul style="list-style-type: none"> • Option TH9.1: Set out broad locations for sites for Gypsies and Travellers and/or Travelling Showpeople in the Local Development Framework Core Strategy and specific sites in subsequent Development Plan Documents, sufficient to meet the level of demand to be identified in the Regional Spatial Strategy. • Option TH9.2: Do not identify specific sites in the Local Development Framework, but set criteria that would need to be satisfied when proposing sites for Gypsies and Travellers and/or Travelling Showpeople. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH9.1	+	Medium	Identification of sites may lead to reduced poverty but waiting until production of subsequent Development Plan Document will delay development.
	TH9.2	++	Medium	Criteria could include accessibility to employment opportunities, as well as community, health care and education facilities.
To improve local accessibility of goods, services and amenities and reduce community severance	TH9.1	+	Medium	Identification of sites may lead to improved local accessibility of goods, services and amenities and reduce community severance but waiting until production of subsequent Development Plan Document will delay development.
	TH9.2	++	Medium	Criteria will provide opportunities to ensure that sites are appropriately located, near to local amenities and with a high level of accessibility
To improve safety and reduce crime, disorder and fear of crime	TH9.1	+	Medium	Identification of sites should lead to reduction in unauthorised encampments but waiting until production of subsequent Development Plan Document will delay development.
	TH9.2	0	Medium	Unlikely to have any significant effects.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH9.1	+	Medium	Will allow the settled and travelling communities to be involved in the where sites are located
	TH9.2	+	Medium	Will allow the travelling communities to be involved in criteria that will meet their needs
To improve health and reduce health inequalities	TH9.1	+	Medium	Identification of sites may lead to improving health but waiting until production of subsequent Development Plan Document will delay development.
	TH9.2	++	Medium	Criteria can include proximity to health care facilities, open and green space, opportunities for recreation, etc.
To provide good quality, affordable and resource efficient housing	TH9.1	+	Medium	Identification of sites may lead to good quality affordable site plot provision but waiting until production of subsequent Development Plan Document will delay development.
	TH9.2	++	Medium	Criteria can include providing good quality affordable site plot provision.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To improve educational attainment, training and opportunities for lifelong learning and employability	TH9.1	+	Medium	Identification of sites may provide access to a consistent place of education waiting until production of subsequent Development Plan Document will delay development.
	TH9.2	++	Medium	Criteria can include ensuring good accessibility to education, training and employment opportunities
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH9.1	0	Medium	No significant effects likely, unless site is located in close proximity to areas of historic value.
	TH9.2	0	Medium	Unlikely to have any significant effects.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH9.1	?		Depends on the location.
	TH9.2	0	Medium	Unlikely to have any significant effects
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH9.1	?		Depends on the location but site could include ensuring that location will not damage environmental assets.
	TH9.2	0	Medium	Criteria could include ensuring the protection of environmental assets from inappropriate development
To adapt to climate change including flood risk	TH9.1	0	Medium	Site would need to be in area of lowest flood risk
	TH9.2	0	Medium	Criteria could seek to ensure that site would be in area of lowest flood risk
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH9.1	0	Medium	Unlikely to have any significant effects.
	TH9.2	+	Medium	Criteria could include encouraging the use of onsite renewable energy production and recycling
To provide, conserve, maintain and enhance green infrastructure	TH9.1	0	Medium	Sites could be located that would not reduce green infrastructure
	TH9.2	+	Medium	Criteria could include ensuring no net loss of green infrastructure
To protect, manage and restore land and soil quality	TH9.1	0	Medium	Development of brownfield sites could aid in decontamination
	TH9.2	+	Medium	Criteria could be included that any brownfield land would need to be adequately restored prior to development
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH9.1	+	Medium	Sites could be located away from areas where they could have a potentially negative impact on water quality
	TH9.2	+	Medium	Criteria such as adequate site drainage could be included
To protect, and where necessary, improve local air quality.	TH9.1	0	Medium	Unlikely to have any significant effects
	TH9.2	0	Medium	Unlikely to have any significant effects
To use water and mineral resources prudently and efficiently.	TH9.1	0	Medium	Unlikely to have any significant effects
	TH9.2	+	Medium	Criteria could include ensuring that developments include renewable technology, e.g. grey water recycling.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH9.1	+	Medium	Close proximity to services will reducing the need to travel.
	TH9.2	+	Medium	Close proximity to services will reducing the need to travel.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH9.1	0	Medium	Unlikely to have any significant effects
	TH9.2	+	Medium	Criteria could include ensuring that adequate on site waste storage and/or recycling facilities are included as part of site development.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH9.1	0	Medium	Dependent on location
	TH9.2	0	Medium	Criteria could include proximity to job opportunities
To enhance the vitality and viability of town and local centres	TH9.1	0	Medium	Unlikely to have any significant effects
	TH9.2	0	Medium	Unlikely to have any significant effects
Maintain high and stable levels of employment and reduce long-term unemployment	TH9.1	0	Medium	Unlikely to have any significant effects
	TH9.2	0	Medium	Unlikely to have any significant effects
Sustainability Summary	Option TH9.2 would bring most social and environmental benefit as it would allow criteria to be introduced that could meet those objectives. Any benefits that Option TH9.1 would bring may be reduced by the delay in production of a subsequent Development Plan Document. Neither option is likely to bring any significant economic benefits. Option TH9.2 would therefore bring greater benefits if it was the preferred option.			
Key for effects ++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

Promoting Quality of Place

Issue TH 10: PROMOTING QUALITY OF PLACE

Table 2 sets out a series of general guidelines that could be included in the Core Strategy to ensure that new development helps to promote the quality of place and "offer" of Knowsley as a place to live, work and visit.

- Option TH10.1 Use the guidelines below to ensure that new development promotes "quality of place".
- Option TH10.2 Use the guidelines below and supplement these with additional guidance for key regeneration and high profile locations.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH10.1	+	High	Improvements to the Borough's image has potential to increase investment
	TH10.2	++	High	Improvements to the Borough's image has potential to increase investment, particularly in key regeneration and high profile locations.
To improve local accessibility of goods, services and amenities and reduce community severance	TH10.1	+	High	Table 2 requires new development to be well located in relation to existing shops, services, infrastructure, housing and employment facilities.
	TH10.2	0	Medium	Unlikely to have any significant effects
To improve safety and reduce crime, disorder and fear of crime	TH10.1	+	High	Table 2 requires design of development to ensure that crime levels are minimised.
	TH10.2	++	High	Improvements to design in excess of Table 2 are anticipated to contribute to crime prevention
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH10.1	0	Medium	Unlikely to have any significant effects.
	TH10.2	0	Medium	Additional guidance for will provide opportunity for greater community participation
To improve health and reduce health inequalities	TH10.1	+	High	Good design of buildings will improve health. Table 2 requires design to take opportunities to protect and enhance important open spaces.
	TH10.2	++	High	Additional guidance may give further opportunities for improving health
To provide good quality, affordable and resource efficient housing	TH10.1	+	High	Table 2 promotes energy efficiency.
	TH10.2	++	High	Additional guidance may lead to improved housing provision.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH10.1	+	Medium	Potential to improve training through requirement for new development to be well located in relation to employment facilities
	TH10.2	+	Medium	Potential to improve training through requirement for new development to be well located in relation to employment facilities
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH10.1	+	High	Table 2 requires development to take opportunities to protect and enhance buildings of historic interest.
	TH10.2	++	High	It is assumed that any additional guidance will improve on the list contained in Table 2.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH10.1	+	High	Table 2 requires development to take opportunities to protect and enhance landscape features and natural habitats.
	TH10.2	++	High	Additional guidance for high profile locations may lead to enhanced landscape and countryside
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH10.1	0	Medium	Table 2 requires development to take opportunities to protect and enhance natural habitats.
	TH10.2	+	High	Additional guidance for high profile locations may lead to further protection and enhancement
To adapt to climate change including flood risk	TH10.1	0	Medium	Table 2 requires the promotion of energy efficiency
	TH10.2	+	High	Additional guidance for key regeneration and high profile locations may improve energy efficiency.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH10.1	+	Medium	Table 2 requires development to maximise environmental efficiency through efficient use of materials and resources, re-use of materials wherever practicable, and the promotion of energy efficiency.
	TH10.2	++	Medium	It is assumed that any additional guidance will improve on the list contained in Table 2.
To provide, conserve, maintain and enhance green infrastructure	TH10.1	+	Medium	Table 2 requires development to take opportunities to protect and enhance important open spaces. There is also a general preference for using previously developed land instead of greenfield sites.
	TH10.2	++	Medium	Additional guidance will give greater flexibility to incorporate appropriate criteria for key locations.
To protect, manage and restore land and soil quality	TH10.1	0	Medium	Unlikely to have any significant effects.
	TH10.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH10.1	0	Medium	Unlikely to have any significant effects.
	TH10.2	+	Medium	Additional guidance will give greater flexibility to incorporate appropriate criteria for key regeneration and high profile locations near to inland and estuarine waters.
To protect, and where necessary, improve local air quality.	TH10.1	+	Medium	There is no specific mention of air quality, however, Table 2 requires that new development be well located, include safe and convenient access for all by walking, cycling and public transport, and provide a good environment for occupiers
	TH10.2	++	Medium	It is assumed that any additional guidance will improve on the list contained in Table 2.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To use water and mineral resources prudently and efficiently.	TH10.1	+	Medium	Table 2 requires development to maximise environmental efficiency through efficient use of materials and resources, re-use of materials wherever practicable, and the promotion of energy efficiency.
	TH10.2	++	Medium	It is assumed that any additional guidance will improve on the list contained in Table 2.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH10.1	+	Medium	Table 2 requires that new development be well located, include safe and convenient access for all by walking, cycling and public transport
	TH10.2	++	Medium	Additional guidance will give greater flexibility to incorporate appropriate criteria for access to key regeneration and high profile locations
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH10.1	+	Medium	There is no specific mention of the minimisation of the production of waste, however, Table 2 requires that design maximise the re-use of materials wherever practicable.
	TH10.2	++	Medium	Additional guidance will give greater flexibility to incorporate appropriate criteria for waste reduction in key regeneration and high profile locations
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH10.1	+	Medium	Improved design should lead to improved offer of place and attractiveness to inward investment.
	TH10.2	++	Medium	Improved design should lead to improved offer of place in key regeneration areas and attractiveness to inward investment.
To enhance the vitality and viability of town and local centres	TH10.1	+	Medium	Improved design should lead to improved attractiveness of town and local centres.
	TH10.2	++	Medium	Improved design should lead to improved attractiveness to inward investors positive effect on key regenerations identified elsewhere which include town and local centres.
Maintain high and stable levels of employment and reduce long-term unemployment	TH10.1	+	Medium	Improved attractiveness to business may lead to more employment.
	TH10.2	+	Medium	Additional guidance will improve design in key regeneration areas leading to improved attractiveness to investors.
Sustainability Summary	<p>Option TH10.2 would have the most positive effect on the SA's social, environmental, and economic objectives.</p> <p>Option TH10.2 would therefore be the most sustainable option.</p> <p>It is suggested that Table 2 of the Issues and Options Paper could be improved if item number 6 included the use of national benchmarks such as Building for Life, Code for Sustainable Homes and Lifetimes Homes.</p> <p>The design principles could be improved by requiring that new development be designed with the ability to adapt to the predicted future effects of climate change.</p>			

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Promoting Quality of Place

Issue TH 11: HERITAGE MANAGEMENT				
How should the Council protect its heritage areas?				
<ul style="list-style-type: none"> • Option TH11.1: Continue to protect and enhance the historic environment where there are already statutory designations in place such as Conservation Areas and the national listing system. • Option TH11.2: In addition to option A, develop a system of "local listing" which aims to protect the character and setting of important areas and historic buildings / structures that fall outside Conservation areas and the national listing system? 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To improve local accessibility of goods, services and amenities and reduce community severance	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To improve safety and reduce crime, disorder and fear of crime	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	+	Medium	Allows community involvement in identifying features of local importance
To improve health and reduce health inequalities	TH11.1	+	Medium	Preserving the historic environment in important in well-being terms in creating a sense of place and civic pride.
	TH11.2	++	Medium	Preserving the historic environment in important in well-being terms in creating a sense of place and civic pride, widening the scope to include locally important buildings will increase the positive effect.
To provide good quality, affordable and resource efficient housing	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	-	Medium	Increased protection of local buildings may add limitations to the potential for redevelopment.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH11.1	+	High	Positive effect of maintaining a policy approach to protect and enhance in the context of national policy.
	TH11.2	++	High	Positive effect of maintaining a policy approach to protect and enhance in the context of national policy. A local listing will increase the protection of buildings that are locally significant.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH11.1	+	Medium	Existing statutory designations contribute to the existing character of the landscape and countryside

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	TH11.2	++	Medium	Additional local historic assets could include those that add character to the countryside.
SA Objective	Option	Effect	Certainty	Comments and Mitigation
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To adapt to climate change including flood risk	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH11.1	0	Medium	
	TH11.2	-	Medium	Protection of further areas may limit the options for the deployment of renewable energy.
To provide, conserve, maintain and enhance green infrastructure	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Potential to protect local assets that are associated to existing Green Infrastructure.
To protect, manage and restore land and soil quality	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To use water and mineral resources prudently and efficiently.	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	?		Depends on the location of any new "local listing".
To enhance the vitality and viability of town and local centres	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	?		Depends on the location of any new "local listing".
Maintain high and stable levels of employment and reduce long-term unemployment	TH11.1	0	Medium	Unlikely to have any significant effects.
	TH11.2	0	Medium	Unlikely to have any significant effects.
Sustainability Summary	In many cases, the options are unlikely to lead to any significant effect on the SA's objectives. Option TH11.2 would, however, better enhance Knowsley's rich diversity of cultural, historic and archaeological buildings and areas by protecting a larger number of locally significant areas and historic buildings. Option TH11.2 would therefore bring greater benefits if it was the preferred option.			

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Promoting Quality of Place

Issue TH 12: URBAN AND STRATEGIC GREENSPACE

How should the Core Strategy manage the borough’s urban and strategic greenspaces?

- Option TH12.1: Continue current set standards for quality, quantity and accessibility of different types of greenspace supplemented by additional protection for sites of local nature conservation interest.
- Option TH12.2: As option TH12.1 above but with reductions in some quantity standards to allow more emphasis on releasing funds to improve quality of greenspaces.
- Option TH 12.3: In addition to option TH12.1 or TH12.2, identify strategic areas of greenspace within a wider network that provide linkages for habitats and offer wider socio-economic and environmental benefits.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	0	Medium	Unlikely to have any significant effects.
	TH12.3	0	Medium	Unlikely to have any significant effects.
To improve local accessibility of goods, services and amenities and reduce community severance	TH12.1	+	High	Will lead to some improvement to amenities.
	TH12.2	0	High	Will lead to some loss of amenities but improvement to what remains.
	TH12.3	+	Medium	May reduce community severance.
To improve safety and reduce crime, disorder and fear of crime	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	+	Medium	Will allow some of the poorer quality greenspaces (which often have crime related issues) to be released for development. Improvements to remaining greenspaces may reduce crime and disorder on those spaces.
	TH12.3	0	Medium	Unlikely to have any significant effects.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	0	Medium	Unlikely to have any significant effects.
	TH12.3	+	Medium	Site selection will improve community involvement in decision making
To improve health and reduce health inequalities	TH12.1	+	Medium	Current standards maintain and enhance a quantity, quality and accessibility of public open space relative to local needs

	TH12.2	+	Medium	Increase in quality of remaining greenspaces may lead to their greater use. Impact of quantitative loss of greenspaces dependent upon locational considerations in terms of surplus / deficit relative to standards, existing quality and local accessibility.
	TH12.3	+	Medium	Increased provision may increase walking and cycling leading to improved health.
SA Objective	Option	Effect	Certainty	Comments and Mitigation
To provide good quality, affordable and resource efficient housing	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	+	Medium	Release of surplus greenspace may provide opportunity for development of housing within existing urban areas suitable to meet local needs.
	TH12.3	0	Medium	Unlikely to have any significant effects.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH12.1	0	Low	Unlikely to have any significant effects.
	TH12.2	+	Low	Improving quality may encourage school trips to sites of local nature conservation interest.
	TH12.3	0	Medium	Unlikely to have any significant effects.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH12.1	+	High	Additional protection for sites of local nature conservation interest.
	TH12.2	++	High	Additional protection for sites of local nature conservation interest. Funds released for management of greenspaces.
	TH12.3	++	Medium	Gives the flexibility to select the most valuable sites in terms of Green Infrastructure functions of strategic greenspace
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH12.1	+	Medium	Standards enable protection of greenspaces which contribute to landscape and countryside character.
	TH12.2	+	Medium	Enables focused improvements to quality in greenspaces of higher value to landscape character.
	TH12.3	+	Medium	May provide increased accessibility to the countryside.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH12.1	+	High	Additional protection for sites of local nature conservation interest.
	TH12.2	++	High	Funds could potentially be released for management.
	TH12.3	+	Medium	The potential for additional protection should outweigh increase disturbance caused by greater use.
To adapt to climate change including flood risk	TH12.1	+	Medium	Maintains current quantity of green space. Funds could potentially be released for management from developer contributions.
	TH12.2	-	Medium	Developing on greenspace will reduce the grounds ability to absorb water.
	TH12.3	+	Medium	<u>A benefit of strategic green space is potential to target areas that are key for flood mitigation</u>
To mitigate climate change including using energy prudently and	TH12.1	0	Medium	Unlikely to have any significant effects.

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efficiently and increasing energy generated from renewable sources.	TH12.2	+	Medium	Developing on greenspace is likely to reduce the amount of development in the Green Belt and reduces the need to travel
	TH12.3	0	Medium	Unlikely to have any significant effects.
To provide, conserve, maintain and enhance green infrastructure	TH12.1	0	High	Maintains current level of greenspace.
	TH12.2	0	High	Although the overall provision will be reduced, the quality of the remainder will be improved
	TH12.3	+	Medium	May enhance green infrastructure.
SA Objective	Option	Effect	Certainty	Comments and Mitigation
To protect, manage and restore land and soil quality	TH12.1	0	High	Unlikely to have any significant effects.
	TH12.2	-	High	Reduction in the provision of greenspace.
	TH12.3	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	?		Depends on the location of the greenspace that is released for other purposes.
	TH12.3	?		Depends on the location of the greenspace that is identified.
To protect, and where necessary, improve local air quality.	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	0	Medium	Unlikely to have any significant effects.
	TH12.3	0	Medium	Unlikely to have any significant effects.
To use water and mineral resources prudently and efficiently.	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	0	Medium	Unlikely to have any significant effects.
	TH12.3	0	Medium	Unlikely to have any significant effects.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	-	Medium	Reduced quantity of greenspace for outdoor sports may lead to greater travel.
	TH12.3	0	Medium	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	0	Medium	Unlikely to have any significant effects.
	TH12.3	0	Medium	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH12.1	+	Low	Improved image may lead to increased investment
	TH12.2	+	Low	Improved image may lead to increased investment
	TH12.3	+	Low	Improved image may lead to increased investment
To enhance the vitality and viability of town and local centres	TH12.1	0	Medium	Unlikely to have any significant effects.
	TH12.2	0	Medium	Unlikely to have any significant effects.
	TH12.3	0	Medium	Unlikely to have any significant effects.
Maintain high and stable levels of employment and reduce long-term unemployment	TH12.1	+	Low	Improved image may lead to increased investment
	TH12.2	+	Low	Improved image may lead to increased investment
	TH12.3	+	Low	Improved image may lead to increased investment

Sustainability Summary	Option TH12.2 has the most positive effect on the SA's social objectives. Option 12.1, however, would bring the most beneficial effect on the SA's environmental objectives. Lowering the greenspace's quantity standards (Option 12.2) would allow the continuation of the sites' maintenance and would therefore be the most sustainable option but they may not fully reflect local need. Releasing land to meet other local development needs will reduce reliance upon Green Belt release. In addition to either Option TH12.1 or 12.2 being chosen, if Option TH12.3 was implemented it would give additional protection to sites and improve flood mitigation measures.
Key for effects ++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain	

Caring for Knowsley

Issue TH 13: LOCATIONS FOR NEW RENEWABLE ENERGY INSTALLATIONS				
<ul style="list-style-type: none"> Option TH13.1: Do not specify broad areas for renewable energy installations in the Core Strategy, rely instead on criteria based policies only. Option TH13.2: Specify the preferred broad areas for renewable and low carbon energy production as highlighted by the “Renewable Energy Options Study” supplemented by a criterion based policy for determining proposals as they come forward. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To improve local accessibility of goods, services and amenities and reduce community severance	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To improve safety and reduce crime, disorder and fear of crime	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH13.1	+	Medium	Renewable energy brings health benefits through improved air quality.
	TH13.2	+	Medium	Renewable energy brings health benefits through improved air quality.
To provide good quality, affordable and resource efficient housing	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	+	Medium	Dependant on the type of technology, e.g. district heating / cooling is likely to improve the resource (energy) efficiency of residential areas.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.

Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH13.1	+	Medium	Criteria based policies can guide development to locations that do not have a negative impact on the local character of the countryside.
	TH13.2	++	Medium	Broad area will give will give greater protection to managing the local character and accessibility of the landscape and countryside. Criteria based policy will provide an additional means for ensuring that the technology is appropriate for the location.
SA Objective	Option	Effect	Certainty	Comments and Mitigation
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH13.1	+	Medium	Criteria based policies can guide development to locations that do not have a negative impact on biodiversity and geodiversity.
	TH13.2	++	Medium	Broad area will give will give greater protection to biodiversity and geodiversity sites. Criteria based policy will provide an additional means for ensuring that the technology is appropriate for the location.
To adapt to climate change including flood risk	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH13.1	+	High	The encouragement of appropriate renewable energy development helps mitigate climate change through a reduction in emissions from fossil fuel energy generation.
	TH13.2	++	High	The encouragement of appropriate renewable energy development helps mitigate climate change through a reduction in emissions from fossil fuel energy generation. Broad location may provide certainty to the market leading to improvement in the delivery of renewable energy schemes
To provide, conserve, maintain and enhance green infrastructure	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To protect, manage and restore land and soil quality	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH13.1	-	Medium	Some renewable energy technologies do have air quality implications. These include, on a large scale, energy from waste plants and, on a smaller scale, biomass boilers. The transport of fuel also creates air quality effects.
	TH13.2	-	Medium	Some renewable energy technologies do have air quality implications. These include, on a large scale, energy from waste plants and, on a smaller scale, biomass boilers. The transport of fuel also creates air quality effects. Locating renewable technologies in the same area will have less transport impacts and may lead to re-use of waste as fuel / biomass
To use water and mineral resources prudently and efficiently.	TH13.1	0	Medium	Unlikely to have any significant effects.

	TH13.2	0	Medium	Unlikely to have any significant effects.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH13.1	+	Medium	There is the potential to minimise waste going to landfill through Energy from Waste facilities.
	TH13.2	0	Medium	Unlikely to have any significant effects.
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH13.1	+	Medium	Businesses may exploit the growth potential of this sector. Local businesses may benefit from lower energy costs.
	TH13.2	++	Medium	Businesses may exploit the growth potential of this sector. Local businesses may benefit from lower energy costs. Defining a "broad location" will provide certainty to the market and it is therefore likely to improve schemes delivery.
To enhance the vitality and viability of town and local centres	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
Maintain high and stable levels of employment and reduce long-term unemployment	TH13.1	0	Medium	Unlikely to have any significant effects.
	TH13.2	0	Medium	Unlikely to have any significant effects.
Sustainability Summary	With the exception of health benefits, both options are unlikely to have any significant effects on the SA's social objectives. Specifying broad areas of search (Option 13.2) will give greater protection for environmentally sensitive areas. It is also likely to provide certainty to the market and improve delivery of renewable energy schemes. Option TH13.2 would therefore bring greater benefits if it was the preferred option.			
Key for effects				
++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

Caring for Knowsley

Issue TH 14: ENVIRONMENTAL PERFORMANCE OF NEW DEVELOPMENT

How should the environmental performance of new development be managed within the borough?

Note: Any targets set under option B, would take into account any reduction in carbon emissions (via on-site renewables or energy efficiency measures) discussed in IssueTH15.

- Option TH14.1: Rely on building regulations.
- Option TH14.2: Set standards for new development that exceed building regulations in specific areas, such as water efficiency, recycling and waste collection.
- Option TH14.3: In addition to building regulations, encourage or set targets over and above via an established assessment method such as Code for Sustainable Homes (residential development) and/or BREEAM (commercial / industrial development and public buildings).

SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	+	Medium	Positive effect on fuel and water efficiency therefore lowering costs. Additional building costs in meeting the standards may be passed on home buyers
	TH14.3	+	Medium	Increased energy efficiency will lower costs. Additional building costs in meeting the standards may be passed on home buyers
To improve local accessibility of goods, services and amenities and reduce community severance	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	0	Medium	Unlikely to have any significant effects.
To improve safety and reduce crime, disorder and fear of crime	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	++	Medium	High quality design aimed at designing out crime.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	0	Medium	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH14.1	0	High	Unlikely to have any significant effects.
	TH14.2	0	High	Unlikely to have any significant effects.
	TH14.3	++	High	Code for sustainable homes will make homes easier to warm. Lifetime Homes standard has a strong emphasis on the elderly and age-related health inequalities. BREEAM seeks to improve working environments.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To provide good quality, affordable and resource efficient housing	TH14.1	0	Medium	Building Regulations is the minimum standard. Other options are measured against this standard.
	TH14.2	+	Medium	Will make buildings more efficient.
	TH14.3	++	Medium	Will make buildings more efficient.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	+	Medium	Evaluation and certification process has to be developed through training and development.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	0	Medium	Unlikely to have any significant effects.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	0	Medium	Unlikely to have any significant effects.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	+	Medium	Inclusion of SuDS may contribute to the delivery of biodiversity targets.
	TH14.3	+	Medium	Inclusion of SuDS may contribute to the delivery of biodiversity targets.
To adapt to climate change including flood risk	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	+	Medium	Improved water efficiency will lower flood risk.
	TH14.3	+	Medium	Improved water efficiency will lower flood risk.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH14.1	0	Medium	Improved insulation will improve energy efficiency.
	TH14.2	+	Medium	Improved insulation will improve energy efficiency.
	TH14.3	+	Medium	Improved insulation will improve energy efficiency.
To provide, conserve, maintain and enhance green infrastructure	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	0	Medium	Unlikely to have any significant effects.
To protect, manage and restore land and soil quality	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	0	Medium	Unlikely to have any significant effects.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To protect, and where necessary, improve local air quality.	TH14.1	+	Medium	Building Regulations includes standards that will protect air quality
	TH14.2	+	Medium	Building Regulations includes standards that will protect air quality
	TH14.3	++	Medium	BREEAM assessment includes air quality
To use water and mineral resources prudently and efficiently.	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	+	Medium	Under this option would be to a higher standard that Building Regulations
	TH14.3	++	Medium	BREEAM assessment includes water efficiency
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	0	Medium	Unlikely to have any significant effects.
	TH14.3	0	Medium	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH14.1	0	Medium	Unlikely to have any significant effects.
	TH14.2	+	Medium	Under this option would be to a higher standard that Building Regulations
	TH14.3	+	Medium	Improvement through promotion of re-use / recycling and energy efficiency.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH14.1	0	High	
	TH14.2	0	High	Long term sustainability. Positive effect on fuel and therefore lowering costs. Additional building costs in meeting the standards may be passed on business
	TH14.3	+	Medium	BREEAM includes a tool to reduce running costs. Additional building costs in meeting the standards may be passed on business
To enhance the vitality and viability of town and local centres	TH14.1	0	Low	Unlikely to have any significant effects.
	TH14.2	0	Low	Unlikely to have any significant effects.
	TH14.3	0	Low	Unlikely to have any significant effects.
Maintain high and stable levels of employment and reduce long-term unemployment	TH14.1	0	Low	Unlikely to have any significant effects.
	TH14.2	0	Low	Unlikely to have any significant effects.
	TH14.3	0	Low	Unlikely to have any significant effects.
Sustainability Summary	Option 14.3 has the most positive effect on all types of the SA's objectives, although the positive economic benefit is slight. It is therefore the most sustainable option.			
Key for effects				
++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

Caring for Knowsley

Issue TH 15: CARBON REDUCTION IN NEW DEVELOPMENTS				
How should new developments be required to contribute towards carbon reduction within the borough?				
Note: The target percentage for carbon reduction will be determined at a later stage and may increase over the 15 year plan period.				
<ul style="list-style-type: none"> Option TH15.1: Require industrial developments above a threshold of 1,000m² and all residential developments comprising 10 or more units to secure at least 10% of their predicted energy requirements from decentralised and renewable or low-carbon sources, unless it can be demonstrated by the applicant, having regard to the type of development involved and its design, that this is not feasible or viable. Option TH15.2: Set a Borough-wide percentage for carbon reduction in new development (above the current 10% required by the Regional Spatial Strategy for the North West). Option TH15.3: In addition to Option A or B, where it is not viable or feasible to reduce predicted carbon emissions on site requiring developers to pay a fee into a 'Carbon Compensation' fund which will be used to implement off-site energy efficiency and renewable energy schemes within the Borough's residential areas and/or public buildings such as schools. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH15.1	+	Medium	May reduce fuel costs.
	TH15.2	+	Medium	May reduce fuel costs.
	TH15.3	++	Medium	May reduce fuel costs. Money from the "Carbon Compensation Fund" will deliver additional programmes looking at energy efficiency.
To improve local accessibility of goods, services and amenities and reduce community severance	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To improve safety and reduce crime, disorder and fear of crime	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH15.1	+	High	Renewable energy should lead to improved health through improved air quality.
	TH15.2	+	High	Renewable energy should lead to improved health through improved air quality.
	TH15.3	++	High	Renewable energy should lead to improved health through improved air quality. Off-site energy efficiency measures through 'Carbon Compensation' may improve this.
SA Objective	Option	Effect	Certainty	Comments and Mitigation

To provide good quality, affordable and resource efficient housing	TH15.1	+	Medium	Larger housing developments will require energy from renewable sources
	TH15.2	+	Medium	Larger housing developments will require energy from renewable sources
	TH15.3	++	Medium	Money from the "Carbon Compensation Fund" will deliver additional programmes looking at energy efficiency.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To adapt to climate change including flood risk	TH15.1	+	Medium	Reducing carbon production may reduce flood risk.
	TH15.2	+	Medium	Reducing carbon production may reduce flood risk.
	TH15.3	+	Medium	Reducing carbon production may reduce flood risk.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH15.1	+	Medium	Any requirement to produce renewable energy will have an overall mitigative effect.
	TH15.2	++	Medium	Using a carbon-based standard for climate change performance provides more flexibility to the developer in designing out carbon.
	TH15.3	++	Medium	Money from the "Carbon Compensation Fund" will deliver additional programmes looking at energy efficiency. Care must be taken that the payment does not become a preferred mechanism because it is easier and more convenient than producing a well-designed development.
To provide, conserve, maintain and enhance green infrastructure	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To protect, manage and restore land and soil quality	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To protect, and where necessary, improve local air quality.	TH15.1	+	Medium	Reducing carbon emissions in new development will also reduce NOx and PM10.
	TH15.2	+	Medium	Reducing carbon emissions in new development will also reduce NOx and PM10.
	TH15.3	+	Medium	Reducing carbon emissions in new development will also reduce NOx and PM10.
To use water and mineral resources prudently and efficiently.	TH15.1	+	Medium	An energy standard will have an effect on the consumption of fossil fuels
	TH15.2	++	Medium	A carbon standard will have an effect on use of fossil fuels but will also draw in consideration of a wider range of construction materials in a holistic way.
	TH15.3	++	Medium	A carbon standard will have an effect on use of fossil fuels but will also draw in consideration of a wider range of construction materials in a holistic way. Money from the "Carbon Compensation Fund" will deliver additional programmes looking at energy efficiency.
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH15.1	+	Medium	Setting standards will reduce the use of fossil fuels and therefore the need to dispose of the residues from fossil fuel generation. However, the overall effect of this will be minor, as some renewable technologies also entail burning and therefore produce their own residues for disposal (e.g. biomass).
	TH15.2	+	Medium	Setting standards will reduce the use of fossil fuels and therefore the need to dispose of the residues from fossil fuel generation. However, the overall effect of this will be minor, as some renewable technologies also entail burning and therefore produce their own residues for disposal (e.g. biomass).
	TH15.3	+	Medium	Setting standards will reduce the use of fossil fuels and therefore the need to dispose of the residues from fossil fuel generation. However, the overall effect of this will be minor, as some renewable technologies also entail burning and therefore produce their own residues for disposal (e.g. biomass).
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH15.1	?		May increase costs.
	TH15.2	?		May increase costs.
	TH15.3	?		May increase costs.
To enhance the vitality and viability of town and local centres	TH15.1	0	Medium	Unlikely to have any significant effects.
	TH15.2	0	Medium	Unlikely to have any significant effects.
	TH15.3	0	Medium	Unlikely to have any significant effects.

SA Objective		Option	Effect	Certainty	Comments and Mitigation
Maintain high and stable levels of employment and reduce long-term unemployment	TH15.1	0	Medium	Unlikely to have any significant effects.	
	TH15.2	0	Medium	Unlikely to have any significant effects.	
	TH15.3	0	Medium	Unlikely to have any significant effects.	
Sustainability Summary	<p>Option TH15.3 will bring most social benefit with both options TH15.2 and 15.3 bringing most environmental benefit. None of the options are likely have any economic effects.</p> <p>Option TH15.3 would therefore bring the greatest benefits if it was the preferred option. It is considered, however, that it should only be used when Option TH15.2 is not viable or feasible. Money from the "Carbon Compensation Fund" could deliver additional programmes looking at energy efficiency, reducing fuel poverty etc. Care will need to be taken to ensure that payment, rather than producing a well-designed development, does not become a preferred mechanism because it is considered to be easier and more convenient.</p>				
Key for effects					
++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain					

Caring for Knowsley

Issue TH 16: MANAGEMENT OF MINERAL RESOURCES				
How should the Core Strategy encourage the effective use of mineral resources which occur within the Borough?				
<ul style="list-style-type: none"> • Option TH16.1: Do not create Minerals Safeguarding Areas (MSA). • Option TH16.2: Safeguard areas identified as having existing viable mineral resources in line with the most up to date evidence available by creating a Minerals Safeguarding Area (MSA) around Cronton clay pit. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	0	Medium	Unlikely to have any significant effects.
To improve local accessibility of goods, services and amenities and reduce community severance	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	0	Medium	Unlikely to have any significant effects.
To improve safety and reduce crime, disorder and fear of crime	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	0	Medium	Unlikely to have any significant effects.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	0	Medium	Unlikely to have any significant effects.
To improve health and reduce health inequalities	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	0	Medium	Unlikely to have any significant effects.
To provide good quality, affordable and resource efficient housing	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	0	Medium	Unlikely to have any significant effects.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	0	Medium	Unlikely to have any significant effects.
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH16.1	0	Low	Unlikely to have any significant effects.
	TH16.2	0	Low	Unlikely to have any significant effects.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	-	Medium	A Minerals Safeguarding Area will give less protection to the environment
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	-	Medium	Extraction of minerals may impact on Local Wildlife Sites.
To adapt to climate change including flood risk	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	+	Medium	There is the potential for parts of the colliery to be used for flood alleviation to combat flooding in the area.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
To provide, conserve, maintain and enhance green infrastructure	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
To protect, manage and restore land and soil quality	TH16.1	0	Medium	Unlikely to have any significant effects.
	TH16.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
To use water and mineral resources prudently and efficiently.	TH16.1	-	Medium	Minerals policy guidance requires the prudent planning for minerals.
	TH16.2	+	Medium	Added safeguarding of viable mineral resources
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
To enhance the vitality and viability of town and local centres	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
Maintain high and stable levels of employment and reduce long-term unemployment	TH16.1	0	High	Unlikely to have any significant effects.
	TH16.2	0	High	Unlikely to have any significant effects.
Sustainability Summary	<p>In most instances, the choosing of one option over another will have negligible impact, however, creating a Minerals Safeguarding Area (MSA) around Cronton clay pit will allow the clay pit to continue to contribute to flood alleviation combating flooding in the area by acting as a sump for surface run-off. It may, however, negatively impact on Local Wildlife sites.</p> <p>It should be noted that neither option includes the use of criteria based policies for minerals development. Coal bed methane, for example, could come forward whether or not MSAs have been defined.</p>			
Key for effects				
++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				

Infrastructure Delivery and Funding

Issue TH 17: DEVELOPER FUNDING FOR NEW INFRASTRUCTURE PROVISION				
Which approach should be used to obtain developer funding for new infrastructure provision?				
<ul style="list-style-type: none"> • Option TH17.1: Require contributions from developers towards new or improved social, physical and green infrastructure only where justified based on the impacts of the particular development proposed. • Option TH17.2: Require contributions from all developers in the form of a standard financial contribution (for example through the new Community Infrastructure Levy) to help fund new social, physical and green infrastructure across the Borough. 				
SA Objective	Option	Effect	Certainty	Comments and Mitigation
Social				
To reduce poverty and social deprivation and secure economic inclusion	TH17.1	+	Medium	Contributions may be available if there is a localised need
	TH17.2	++	Medium	Contributions can be targeted to areas of greatest need
To improve local accessibility of goods, services and amenities and reduce community severance	TH17.1	+	Medium	Contributions may be available for walking / cycle routes if there is a localised need
	TH17.2	++	Medium	Contributions towards improvements to walking / cycle routes. can be targeted to areas of greatest need
To improve safety and reduce crime, disorder and fear of crime	TH17.1	+	Medium	Contributions may be available for facilities that will improve safety and reduce crime, disorder, for example CCTV cameras. if there is a localised need
	TH17.2	++	Medium	Contributions for facilities that will improve safety and reduce crime, disorder, for example CCTV cameras can be targeted to areas of greatest need.
To support voluntary and community networks, assist social exclusion and ensure community involvement in decision making.	TH17.1	+	Medium	Contributions may be available to support voluntary and community organisations and their associated infrastructure if there is a localised need
	TH17.2	0	Medium	Contributions may be available to support voluntary and community organisations and their associated infrastructure and targeted to areas of greatest need
To improve health and reduce health inequalities	TH17.1	0	Medium	Contributions can be used for facilities that will improve health, for example health facilities, walking / cycle routes etc in the locality
	TH17.2	+	Medium	Contributions can be used for facilities that will improve health, for example health facilities, walking / cycle routes etc. and targeted to areas of greatest need.
To provide good quality, affordable and resource efficient housing	TH17.1	0	Medium	Unlikely to have any significant effects.
	TH17.2	0	Medium	Unlikely to have any significant effects.
To improve educational attainment, training and opportunities for lifelong learning and employability	TH17.1	0	Medium	Unlikely to have any significant effects.
	TH17.2	0	Medium	Unlikely to have any significant effects.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	TH17.1	0	Medium	Unlikely to have any significant effects.
	TH17.2	0	Medium	Unlikely to have any significant effects.
Environment				
To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley	TH17.1	+	Medium	Contributions can be used to fund local environmental and community infrastructure and improvements in rural areas,
	TH17.2	++	Medium	Contributions to fund local environmental and community infrastructure and improvements in rural areas, can be targeted to areas of greatest need.
To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance	TH17.1	+	High	Contributions can be used to enhance and manage natural habitats in locality of the development.
	TH17.2	++	High	Contributions can be used to enhance and manage natural habitats across the Borough.
To adapt to climate change including flood risk	TH17.1	+	Medium	Contributions can be used for adapting to climate change in the locality of the development. This could include on-site renewable technology or flood defences.
	TH17.2	++	Medium	Contributions can be used for adapting to climate change across the Borough. This could include on-site renewable technology or flood defences.
To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	TH17.1	+	Medium	Contributions can be used for facilities that will encourage increased use of energy generated from renewable sources, for example electric car charging points in the locality of the development.
	TH17.2	++	Medium	Contributions can be used for facilities that will encourage increased use of energy generated from renewable sources, for example electric car charging points. This can be targeted to areas of greatest benefit such as employment areas. May also be able to fund more strategic infrastructure
To provide, conserve, maintain and enhance green infrastructure	TH17.1	+	High	Contributions can be used for enhancement of green infrastructure in the locality of the development.
	TH17.2	++	High	Contributions can be used for enhancement of green infrastructure. This can be targeted to areas of greatest benefit particularly if contributions are pooled.
To protect, manage and restore land and soil quality	TH17.1	0	Medium	Unlikely to have any significant effects.
	TH17.2	0	Medium	Unlikely to have any significant effects.
To protect, improve and where necessary, restore the quality of inland, and estuarine waters	TH17.1	0	Medium	Unlikely to have any significant effects.
	TH17.2	0	Medium	Unlikely to have any significant effects.
To protect, and where necessary, improve local air quality.	TH17.1	+	Medium	Contributions can be used for facilities that will improve local air quality through reduction in vehicular pollution. This can be by electric car charging points, and facilities that will lead to increased walking and cycling etc.
	TH17.2	++	Medium	Contributions can be used for facilities that will improve local air quality, through reduction in vehicular pollution. This can be by electric car charging points, and facilities that will lead to increased walking and cycling etc.

SA Objective	Option	Effect	Certainty	Comments and Mitigation
To use water and mineral resources prudently and efficiently.	TH17.1	+	Medium	Contributions can be used to provide onsite SuDS or grey water recycling
	TH17.2	++	Medium	Pooling of contributions could fund strategic water-related infrastructure like large scale SuDS or improvements to water provision and drainage networks
To reduce the need to travel and improve choice and use of more sustainable transport modes	TH17.1	+	Medium	The use of contributions in the locality for increasing walking / cycling etc. may lead to reduced car usage. Larger developments could include improved links to public transport networks, for example bus routes.
	TH17.2	++	Medium	The use of contributions for increasing walking / cycling etc. may lead to reduced car usage. Contributions could be pooled to pay for more strategic items of sustainable transport infrastructure.
To minimise the production of waste and increase reuse, recycling and recovery rates.	TH17.1	0	Medium	Unlikely to have any significant effects.
	TH17.2	0	Medium	Unlikely to have any significant effects.
Economic				
To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses	TH17.1	+	Medium	
	TH17.2	+	Medium	Contributions can be used to improve infrastructure which may make the Borough more attractive to investors and reduce costs to existing businesses.
To enhance the vitality and viability of town and local centres	TH17.1	+	Medium	Contributions can be used to improve infrastructure to and within town and local centres which may make them more attractive to customers in the development is in or near the centre.
	TH17.2	+	Medium	Contributions can be used to improve infrastructure to and within town and local centres which may make them more attractive to customers.
Maintain high and stable levels of employment and reduce long-term unemployment	TH17.1	+	Medium	Contributions can be used for improvements that will make the local area more attractive to investors improve employment levels and may reduce long-term unemployment.
	TH17.2	++	Medium	Contributions can be used for improvements that will make the Borough more attractive to investors improve employment levels and may reduce long-term unemployment.
Sustainability Summary	The Sustainability Appraisal Framework shows that generally that introduction of the Community Infrastructure Levy (CIL) will bring greater benefit. This is in the main because it will allow contributions to be targeted to areas of greatest need. The introduction of CIL may make it more difficult for the Council to address specific infrastructure needs associated with a particular development. It will also potentially enable more strategic infrastructure to be provided as a result of ability to pool contributions.			
Key for effects				
++ major positive; + minor positive; 0 neutral; – minor negative; – – major negative; ? uncertain				