

## Appendix 7: Assessment of Climate Change and Environmental Sustainability

### Policy 29. Resource Efficiency and Reducing Carbon Dioxide

As part of a move to a low-carbon Hackney and to tackle climate change, opportunities to generate energy from non-fossil fuel sources will be actively encouraged, District heating networks will be sought in the two main town centres of Hackney Central and Dalston and as part of large estate renewal projects, such as Woodberry Down. Existing and proposed decentralised network routes will be safeguarded and protected to provide future connection opportunities from refurbished developments.

Applications for new or replacement street appliances (such as bus stops) to incorporate off-grid solar power, or to offset CO<sub>2</sub> by other means will be supported

### Policy 30. Low Carbon Energy, Renewable Technologies and District Heating

Hackney will address climate change at a local level through the inclusion of mitigation and adaptation techniques to reduce CO<sub>2</sub> emissions from buildings.

This will be achieved by:

- Ensuring that building design is to a high standard, adhering to the principles of sustainable design and construction;
- The inclusion of measures to reduce resource consumption in all residential development, in line with the Energy hierarchy
- Achieve compliance with the Government's proposed timeline for achieving zero carbon development through the Code for Sustainable Homes\*, achieving minimum ratings of Level 3 from 2010, Level 4 from 2013 and Level 6 from 2016;
- Non-residential development (where the floorspace created is 1,000 sq m or above) should incorporate resource efficiency measures capable of achieving a minimum BREEAM\* rating of 'Very Good' with high scores in the energy and water categories. Smaller units should achieve a minimum rating of 'Good'.
- A general presumption in favour of the retrofitting of sustainability equipment to existing residential or commercial premises where planning applications are necessary, subject to satisfying any other applicable policy criteria to be set out by Development Control Policies.

\*Or an equivalent rating under any other system which might be introduced over the lifespan of this LDF

<p>SA/SEA Objectives and relevant Baseline</p> <p>Topic areas are ranked against their performance against current conditions, the predicted likely future conditions without the plan or programme and the SA objectives and targets. Please see updated Scoping Report, 2009 for full details.</p>	<p>Description of effect</p> <p>This section also cross references to other relevant assessments such as the London Plan SA, the Equalities Impact Assessment, habitat regulations Assessment and the Strategic Flood risk Assessment.</p>	<p>Risk</p>	<p>Timescale</p>	<p>Permanence</p>	<p>Significance &amp; relevant significant effect indicator</p>	<p>Avoidance/ Mitigation/Enhancement</p>
<p>SA/SEA Objectives</p>	<p>Objective 1: To protect and enhance biodiversity, flora and fauna</p> <p>Objective 2: To ensure efficient use of natural resources</p>					

<p>Topic: Biodiversity (See Scoping Report, Section 20)</p>	<p>The Habitats Regulations Assessment, May 2009 sets out that there is some uncertainty over future security of supply of water in London as a whole. It notes that it is clearly incumbent upon local authorities to assist in reducing the demand for water within their boroughs. The best way for Hackney Council to achieve this is to set minimum standards that developers must achieve in order to maximise sustainable water use. Policy 30 (Resource Efficiency) achieves this and states that residential developments will need to achieve ‘...<i>minimum ratings of Level 3 from 2010, Level 4 from 2013 and Level 6 from 2016</i>’. As a result it sets out that on page 30 that “It is therefore possible to conclude that the development is to be delivered under the Core Strategy would be unlikely to lead to adverse effects upon the Lee Valley ”SPA as a result of any contribution to unsustainable levels of abstraction. No change since PO. Predicted growth will further adverse impacts in Hackney over the next 15 years. The priority habitat and species have not yet been identified. This policy will have support reducing pollution.</p> <p>High risk due to financial viability that this policy cannot be implemented.</p> <p>Positive effects on improving the standards of development.</p> <p>Reductions in CO2 and other pollution will reduce likely impacts of growth on Biodiversity.</p> <p>However should this policy not be implemented there is a high risk of pollution levels having a significant adverse effect.</p> <p>Positive +</p>				<p>+ Positive</p>	<p>Ensure carried down to AAPs.</p> <p>Increased focus on inclusive green design.</p>
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SA/SEA Objectives	Objective 2: To ensure efficient use of natural resources					
Soil, Water & Noise	<p>No change since PO. Increase in densities likely to have an impact on noise. Will be managed at a site level.</p> <p>High risk due to financial viability that this policy cannot be implemented.</p> <p>Respondee 23 highlighted: Green roofs and the use of permeable surfaces are a good mechanism to tackle surface water flooding.</p>	H	S	F	-/?	<p>Ensure that through development and construction the project is managed.</p> <p>Carried down with AAPs and networking with DC.</p> <p>Preferred Option respondee 48 pointed out: There is not enough water for the scale of development in the South East of England. So oblivious to climate change is the document this issue is confined to a single comment on rain water harvesting. . The document is silent or impotent on energy generation and conservation.</p>

SA/SEA Objectives	<p>Objective 3: To improve air quality</p> <p>Objective 7: To reduce greenhouse gas emissions and promote efficient use of energy in all activities</p>					
Air	<p>Increases in development, even sustainable developments are going to increase air pollution.</p> <p>No major change since the referred options assessment. Positive effect. Most of Hackney is in an air quality management area. The predicted growth may bring it beyond acceptable levels.</p> <p>High risk that if this policy is not implemented that air quality will rise beyond acceptable levels.</p>				-/?	<p>Discussions with estate renewal, the local strategic partnership and development control in particular necessary here and clearer implementation structures need to be set out.</p>
SA/SEA Objective	<p>Objective7: To reduce greenhouse gas emissions and promote the efficient use of energy in all activities</p> <p>Objective 9: To promote sustainable design</p> <p>Objective 5: To minimize flood risk and encourage Sustainable Urban Drainage System (SUDs) for new developments</p>					

<p>Climate</p>	<p>Increases in development, even sustainable developments are going to increase air pollution.</p> <p>The support for low carbon, energy efficient technologies is welcomed. The Dalston masterplan is seeing strategic locations for CHP and biomass. To strengthen this policy clarity is needed in the position of the proposed site in Dalston and the nature of sites proposed – to accompany what size developments etc in the borough.</p> <p>How does retrofitting existing buildings link in to the estate renewal programme?</p> <p>High risk due to financial viability that this policy cannot be implemented.</p>	<p>I</p>	<p>J</p>	<p>K</p>	<p>Positive +</p>	<p>Need to identify the constraints of implementing renewable technologies this policy in Woodberry down and Hackney Central and offer the strategic support where necessary.</p> <p>Respondee 23 pointed out: The emphasis should be on energy conservation and production at the point of use. New development should create at least 10% of its own energy.</p>
<p>SA/SEA Objectives</p>	<p>Objective 18: To minimise waste and maximize recycling in the borough</p>					

<p>Waste (See Scoping Report, Section 18)</p>	<p>Hackney is meeting its current waste targets. Current performance is good however the increases in growth will increase pressures on delivery.</p> <p>High risk due to financial viability that this policy cannot be implemented in combination with the waste policy adequately.</p>	<p>I</p>	<p>J</p>	<p>K</p>	<p>Neutral 0</p>	
<p>SA/SEA Objectives</p>	<p>Objective 9: To protect and enhance the borough's historic environment and preserve the archaeological aspects of the borough</p>					
<p>Cultural Heritage (See Scoping Report, Section 14)</p>	<p>More evidence to suggest worst effects since the PO. High risk due to financial viability that this policy cannot be implemented.</p>	<p>I</p>	<p>J</p>	<p>K</p>	<p>Dependant on how it is implemented -/?</p>	<p>Ensure that retrofitting and estate renewal is sensitive to listed historic buildings, buildings at risk and conservation areas.</p>

SA/SEA Objectives	Objective 11: To maintain and enhance Metropolitan Open Land and Open Spaces and enhance the landscape character					
Landscape and Townscape (See Scoping Report, Section 19)	No change. No change since the preferred options stage.				-/? Dependant on how it is implemented.	Design to be implemented along with the supporting policies for strategic views, cultural heritage and open spaces as appropriate.
SA/SEA Objective	No relevant SA/SEA Objectives have been identified for this sustainability topic.					
Topic: Population (See Scoping Report, Section 6)	The policy will assist in managing the increases in population growth. but will not in itself effect population trends in the borough.				? No clear relationship.	Ensure that existing buildings are retrofitted as well as part of the standards of new buildings to ensure the development quality is evenly distributed.
SA/SEA Objective	Objective 3: To improve air quality Objective 4: To reduce noise pollution Objective 10: To reduce poverty and social exclusion					

	<p>Objective 12: To improve the health of people and promote healthy lifestyle</p> <p>Objective 15: To increase the number of decent and affordable homes</p> <p>Objective 16: To provide access to an adequate range of support and community facilities.</p>					
<p>Human Health (See Scoping Report, Section 7)</p>	<p>No change since PO. Improvement in design will support the reduction of pollution.</p>				<p>+/? Potentially positive dependant on how effectively it is implemented.</p>	
<p>SA/SEA Objective</p>	<p>Objective 16: To provide access to an adequate range of support and community facilities</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity</p> <p>Objective 13: To promote educational attainment and the skill level of population</p>					

<p>Equalities (See Scoping Report, Section 21)</p>	<p>High risk due to financial viability that this policy cannot be implemented for council led schemes for affordable housing.</p>				<p>Neutral 0</p>	
<p>SA/SEA Objective</p>	<p>Objective 16: To provide access to an adequate range of support and community facilities  Objective 10: To reduce poverty and social exclusion and promote cultural diversity  Objective 13: To promote educational attainment and the skill level of population  Objective 20: To generate employment opportunities for everyone  Objective 15: To increase the number of decent and affordable houses</p>					
<p>Poverty and social exclusion (See Scoping Report, Section 11)</p>	<p>No change. The retrofilling of existing housing stock with sustainable and high quality development will assist those currently in poor living conditions. Financial viability risks.</p>				<p>+/? Positive, depends on how the policy is implemented.</p>	<p>More emphasis in needed on the position in relation to Hackney's current estate renewal programmes.</p>
<p>SA/SEA Objectives</p>	<p>Objective 13: To promote educational attainment and the skill level of population  Objective 20: To generate employment opportunities for everyone</p>					

<p>Employment and Skills (See Scoping Report, Section 9)</p>	<p>No change from PO assessment.</p>				<p>Neutral 0</p>	<p>The implementation should be integrated with Hackney's policy to development more educational facilities and encourage local employment, training and sills.</p>
<p>SA/SEA Objective</p>	<p>Objective 14: To reduce crime, the fear of crime and anti-social behaviour of the borough</p>					
<p>Crime and Safety (See Scoping Report, Section 12)</p>	<p>No change from PO assessment.</p>				<p>Neutral 0</p>	<p>It would be best if renewable energy technology was integrated with design against crime standards on new buildings and the retrofitting of existing buildings.</p>
<p>SA/SEA Objective</p>	<p>Objective 6: To reduce the need to travel and encourage use of public transport including walking and cycling Objective 7: To reduce greenhouse gas emissions and promote the efficient use of energy in all activities</p>					

<p>Transport (See Scoping Report, Section 10)</p>	<p>New sustainable buildings should be in accessible locations. More focus on supporting infrastructure and design needed.</p>				<p>Neutral 0</p>	<p>Clearer position on the issue of car free or car capped developments to support the sustainable design of buildings.</p>
<p>SA/SEA Objective</p>	<p>Objective: to increase the number of decent and affordable homes</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity.</p> <p>Objective 11; To encourage complementary activities and land uses together to make more efficient and effective use of land.</p>					

<p>Housing (See Scoping Report, Section 13)</p>	<p>No change. Minor positive effect. Higher quality developments will improve Hackney's image as a place to live and work. This policy positively supports the delivery of high quality housing however issues around deliverability need to be addressed considering the requirements for 50% affordable homes and family accommodation.</p> <p>However high risk this cannot be implemented.</p> <p>Preferred Options Respondee 40 highlighted that: Any standards set must have the possibility of being achieved. The imposition of very high design standards, could result in market housing which is less affordable for people on modest salaries.</p>	<p>I</p>	<p>J</p>	<p>P</p>	<p>Positive but depends how this is applied. +/-?</p>	<p>Clear priorities need to be set out to ensure that high standards of sustainable development are developed.</p> <p>Preferred Options Respondee 29 also pointed out: English Partnerships "A cost review of a Code for Sustainable Homes, indicated that development costs rise sharply above Level 3. Level 3 ranges to an increase in cost of 2.2% percent – 6.1% (excluding high rise flats). Level 4 was an increase in 3.1% – 16.6% (excluding high rise flats). Should recognise low carbon i.e CHP as well as renewable energy sources in mitigating climate change. Overly prescriptive policy may not reflect government policy and could effect viability of development.</p>
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SA/SEA Objective	Objective 19: To promote sustainable economic growth					
Economy (See Scoping Report, Section 8)	Minor positive change. Higher quality developments will improve Hackney's image as a place to live and work.	-	-	0	Positive +	

Policy 32: Waste

New development in Hackney must support the objectives of sustainable waste management. This includes:

- Minimising waste during design and construction of development; including production of site waste plans to arrange for efficient materials and waste handling;
- The incorporation of integrated, well designed recycling facilities in all new developments where appropriate;
- Working with partners in the North London Waste Authority to produce the North London Waste Plan which will identify locations suitable for new waste management facilities;
- Seeking to maximise self-sufficiency in waste management capacity in-line with the London Plan;
- Seeking to minimise waste creation and to exceed the London Plan recycling targets for Hackney;
- Safeguarding existing waste sites unless compensatory provision is made;
- Facilitating the maximum use of existing waste sites;
- Monitoring changes in waste management facilities, waste arisings, and the amount of waste recovered for disposal
- Promoting waste and increasing recycling in the community in line with the emerging North London Waste and Recycling Strategy.

SA/SEA Objectives and relevant Baseline  Topic areas are ranked against their performance against current targets however the assessment is based on the full scoping report evidence. Please see updated Scoping Report, 2009 for full details.	Description of effect  This section also sets out the level of risk should the policy not be implemented as intended especially in on topic areas where Hackney's baseline performance against current targets is poor, very poor or at critical levels.	Risk	Timescale	Permanence	Significance	Avoidance/Mitigation/Enhancement
SA/SEA Objectives	Objective 1: to protect and enhance biodiversity, flora and fauna  Objective 2: To ensure efficient use of natural resources					

Biodiversity	No change. Identified negative impacts resulting from the levels of growth and therefore the amount of waste that will have to be managed. Dependency on what is agreed in the NLWP. No additional sites in Hackney but talk of the better management to its existing sites.	-	-	0	+/?	Further clarify this policy on what needed. Ensure the AAPs adopt the same principle.
SA/SEA Objectives	Objective 1: Objective 2: To ensure efficient use of natural resources					
Soil, Water & Noise	<p>Waste sites vulnerable development should be steered away from flood risk zones.</p> <p>The quality of Hackney's rivers and canals rates from fair to poor.</p> <p>Respondee 13 noted: Construction cycle for waterside development could be potentially serviced from the canal. Following construction domestic and commercial waste and recyclable can be transported by water to a Waste Transfer Station.</p>	-	0	-	Negative dependant on how it is implemented. -/?	There should also be mention on reducing waste from industrial uses along rivers and canals to assist in improving quality. The main cause of pollution reported by the EA is unauthorised activity including flytipping and unauthorised discharge.
SA/SEA Objectives	<p>Objective 3: To improve air quality</p> <p>Objective 7: To reduce greenhouse gas emissions and promote efficient use of energy in all activities</p>					

Air	Intensification of waste handling could potentially have an adverse impact on air targets.				0	Ensure at a DC level that intensification of waste handling is accompanied with high standards for air quality.
SA/SEA Objective	<p>Objective7: To reduce greenhouse gas emissions and promote the efficient use of energy in all activities</p> <p>Objective 9: To promote sustainable design</p> <p>Objective 5: To minimize flood risk and encourage Sustainable Urban Drainage System (SUDs) for new developments</p>					
Climate	<p>If successfully implemented it will reduce the amount of land going to landfill.</p> <p>Intensification of waste handling and transportation within the borough could potentially have an adverse impact on air targets.</p>	M	J	P	0	Ensure at a DC level that intensification of waste handling and the transportation of waste is accompanied with high standards for air quality.
SA/SEA Objectives	Objective 18: To minimise waste and maximize recycling in the borough					

<p>Waste</p>	<p>Needs to directly refer to the North London borough Consortium and the NLWP apportionment and self sufficiency targets. It sets out the targets, North London's objectives etc. we need to include this and that we are going to safeguard existing sites.</p> <p>Need a strong position on whether we are going to safeguard the sites identified in the NLWP. Employment and waste sites are compatible so it may be best to safeguard existing sites for either waste or employment uses. As not to blight the land in particular X and X areas.</p> <p>Need to be aspirational. We want the existing sites to be sustainably and efficiently managed otherwise we will not meet our self sufficiency targets. Preferred Options no 72 noted: The principle of managing waste sites, waste creation and recycling is supported, however further information is required before this PPO can be supported</p> <p>Commitments to "safeguard existing waste sites...." and "require integrated, well designed recycling facilities..." "Accord with London Plan Policy 4A.22 and are supported.</p> <p>Respondee 23 noted: There should be a Zero Waste strategy for dealing with waste (as a resource) and encouraging recycling. This should form one of the documents which will follow the Core Strategy concentrating on specific policy areas.</p>	<p>M</p>	<p>L</p>	<p>P</p>	<p>+</p>	<p>Subject to being wholly run consistent with the position in North London for apportionment and self sufficiency. In addition clarify the position of safeguarding existing sites and the consideration of new appropriate sites if necessary.</p> <p>Include sustainable waste facilities in new developments. Need to strengthen this.</p> <p>Preferred options response no. 68 noted There should be a zero waste strategy for dealing with residential waste, treating it as a resource in addition to recycling. Storage and movement of recyclables is multi storey blocks should also be addressed.</p>
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SA/SEA Objectives	Objective 9: To protect and enhance the borough's historic environment and preserve the archaeological aspects of the borough					
Cultural Heritage	No change since PO.	M	J	P	-/?	Ensure that retrofitting and estate renewal is sensitive to listed historic buildings, buildings at risk and conservation areas.
SA/SEA Objectives	Objective 11: To maintain and enhance Metropolitan Open Land and Open Spaces and enhance the landscape character					

Landscape and Townscape	No change since PO.				-/?	<p>No change since the preferred options stage.</p> <p>Preferred Options resopndee 77 noted: PPO15 should make reference to sustainable material, waste minimisation in design, build and operation of new development and the capacity to reduce waste, reuse materials and recapture embodied energy.</p>
SA/SEA Objective	No relevant SA/SEA Objectives have been identified for this sustainability topic.					
Population	No change. The increase in population will increase pressures to manage waste. If not implemented significant adverse effects. The policy will assist in managing the increases in population growth.				-/?	Support with the reducing waste and recycling campaign run by the NLWA.

SA/SEA Objective	<p>Objective 3: To improve air quality</p> <p>Objective 4: To reduce noise pollution</p> <p>Objective 10: To reduce poverty and social exclusion</p> <p>Objective 12: To improve the health of people and promote healthy lifestyle</p> <p>Objective 15: To increase the number of decent and affordable homes</p> <p>Objective 16: To provide access to an adequate range of support and community facilities.</p>					
Human Health	<p>No change. Potential waste and industrial employment sites in areas at risk from flooding. Highest standards of sustainable design. Restricted to industrial locations.</p>	M	L	M	+/?	<p>Restrictions on the types of waste handling in areas adjacent to or in areas at risk of flooding.</p> <p>A coordinated councils response on managing fly tipping etc.</p>
Sa/SEA Objective	<p>Objective 16: To provide access to an adequate range of support and community facilities</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity</p> <p>Objective 13: To promote educational attainment and the skill level of population</p>					

Equalities	No significant impact. Ensure that waste management and handling is evenly managed across the borough.				+/? Positive, depends how this is implemented.	
SA/SEA Objective	<p>Objective 16: To provide access to an adequate range of support and community facilities</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity</p> <p>Objective 13: To promote educational attainment and the skill level of population</p> <p>Objective 20: To generate employment opportunities for everyone</p> <p>Objective 15: To increase the number of decent and affordable houses</p>					
Poverty and Social Exclusion	The retrofitting of existing housing stock with sustainable and high quality development will assist those currently in poor living conditions. Waste and a small specialist employer in the borough.				+/? Positive, depends how this is implemented.	
SA/SEA Objectives	<p>Objective 13: To promote educational attainment and the skill level of population</p> <p>Objective 20: To generate employment opportunities for everyone</p>					

Employment and Skills	No change. Waste management is an employer in Hackney. The implementation should be integrated with Hackney's policy to encourage local employment, training and skills. Skills and training on the better and more sustainable management of sites.	-	-	0	+/?	
SA/SEA Objective	Objective 14: To reduce crime, the fear of crime and anti-social behaviour of the borough					
Crime and Safety	No change	-	-	0	0	
SA/SEA Objective	Objective 6: To reduce the need to travel and encourage use of public transport including walking and cycling Objective 7: To reduce greenhouse gas emissions and promote the efficient use of energy in all activities					
Transport	New sustainable buildings will meet the councils of car capped or car free development.	-	-	0	Neutral 0	Clearer position on the issue of car free or car capped developments to support the sustainable design of buildings.

SA/SEA Objective	<p>Objective: to increase the number of decent and affordable homes</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity.</p> <p>Objective 11; To encourage complementary activities and land uses together to make more efficient and effective use of land.</p>					
Housing	<p>No change from preferred options remains positive however issues relating to deliverability need to be clarified.</p> <p>This policy positively supports the delivery of high quality housing.</p>				+/?	
SA/SEA Objective	Objective 19: To promote sustainable economic growth					

Economy	No change. Minor positive effect. Higher quality developments will improve Hackney's image as a place to live and work.	-	-	0	+/?	
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**Policy 31 - Flood Risk**

The suitability of land for development and the granting or refusal of any planning permission on all sites will be informed by the Hackney Strategic Flood Risk Assessment, and the sequential and exception tests as laid out by PPS25.

All proposals in Hackney must contribute to the long-term flood management targets of the Thames Catchments Flood management Plan and demonstrate an overall reduction in flood risk, including the use of Sustainable Urban Drainage Systems (SUDs). Development that does not support the aims of PPS25 will be refused.

Proposals for new development should ensure that all forms of flood Risk are fully assessed and measures taken to reduce flood risk. Flood Risk Assessments (FRAs) are required for all developments within Flood Zones 3, 2 and sites greater than one hectare in size in Flood Zone 1. Sustainable options should be identified to reduce flood risk to and from the development. New development shall be designed to include flood resilience and resistance measures where appropriate.

Opportunities to move existing development from within the floodplain to areas with a lower risk of flooding should be maximised. This should include consideration of the vulnerability of existing developments and whether there is potential for land swaps with lower vulnerability users and identifying, allocating and safeguarding open space for flood storage.

Where development is permitted in areas at risk of flooding, existing flood defences should be protected. The retrofitting of flood resilience and resistance measures will be encouraged.

<p>SA/SEA Objectives and relevant Baseline</p> <p>Topic areas are ranked against their performance against current targets however the assessment is based on the full scoping report evidence. Please see updated Scoping Report, 2009 for full details.</p>	<p>Description of effect</p> <p>This section also sets out the level of risk should the policy not be implemented as intended especially in on topic areas where Hackney's baseline performance against current targets is poor, very poor or at critical levels.</p>	<p>Risk</p>	<p>Timescale</p>	<p>Permanence</p>	<p>Significance</p>	<p>Avoidance/ Mitigation/ Enhancement</p>
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SA/SEA Objectives	<p>Objective 1: to protect and enhance biodiversity, flora and fauna</p> <p>Objective 2: To ensure efficient use of natural resources</p>					
Biodiversity	No change.				Positive but depends how this is implemented. +/-?	Strengthening of the requirements for SUDS and green/brown roofs and the use of permeable surfacing would further support biodiversity. What scale of development would trigger the use of SUDS in schemes. Is this viable for all developments, development over 10 dwellings and/or larger schemes.
SA/SEA Objectives	Objective 1: Objective 2: To ensure efficient use of natural resources					

<p>Soil, Water &amp; Noise</p>	<p>No change. "Hackney's Strategic Flood Risk Assessment was completed by Mouchel in 2008 and identifies areas in the east of the borough within the Wick, Kings Park, Springfield and Leabridge wards as being at particular risk of flooding. ... Hackney has an existing high population density and must deliver a minimum 1085 new homes per year by the London Plan; a target raising two issues regarding flooding and flood risk: a) the potential risk caused by new development in areas at risk of flooding, and b) the increased levels of surface run-off from development. Most built development involves creation of impermeable surfaces, which causes water to run off rather than percolate into the ground. This can lead to flash flooding as well as creating pollution, damaging watercourse habitat and causing bank erosion". (Policy supporting text)</p> <p>Respondee 23 noted Green roofs and the use of permeable surfaces are a good mechanism to tackle surface water flooding.</p> <p>Respondee 48 noted Given the concerns about climate change and potential flooding, future development along the waterways flies in the face of government guidance and advice and the concerns of insurance.</p>	<p>J</p>	<p>S</p>	<p>F</p>	<p>Positive but depends how this has been implemented.</p> <p>+/?</p>	<p>Policy must be accompanied by an up to date flood risk map. It must also be noted that this may change over the lifetime of the plan and that information must be checked annually.</p> <p>Hackney does not have a SFRA. Clarity should be shown here.</p> <p>Given the increases in housing anticipated should it be specified that SUDS, green roofs and permeable surfaces should be in all homes.</p> <p>Mention of vulnerable and highly vulnerable development to be steered away from flood risks zones.</p> <p>No all waterfronts are in areas of high risk of flooding development would be located as appropriate in consultation with the EA.</p>
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SA/SEA Objectives	<p>Objective 3: To improve air quality</p> <p>Objective 7: To reduce greenhouse gas emissions and promote efficient use of energy in all activities</p>					
Air	No major change since the preferred options assessment.				Positive, depends how this is implemented. +/-?	No significant effect predicted. Possible minor positive effects if functional floodplains are maintained.
SA/SEA Objective	<p>Objective7: To reduce greenhouse gas emissions and promote the efficient use of energy in all activities</p> <p>Objective 9: To promote sustainable design</p> <p>Objective 5: To minimize flood risk and encourage Sustainable Urban Drainage System (SUDs) for new developments</p>					

<p>Climate (See Scoping Report, Section 16)</p>	<p>Climate change and sea level rises are connected. If flooding does occur measures should be considered for those existing policies which are located within flood risk zones.</p>				<p>Positive, depends how the policy is implemented. +/?</p>	
<p>SA/SEA Objectives</p>	<p>Objective 18: To minimise waste and maximize recycling in the borough</p>					
<p>Waste</p>	<p>No change. Current performance is good however the increases in growth will increase pressures on delivery.  PPS 25 denotes waste including hazardous waste as highly vulnerable. Will be steered away from all flood zones.</p>				<p>+/?</p>	<p>Ensure waste sites next to areas likely to flood are properly designed.</p>
<p>SA/SEA Objectives</p>	<p>Objective 9: To protect and enhance the borough's historic environment and preserve the archaeological aspects of the borough</p>					

Cultural Heritage	No change.				-/? Depends how this is implemented.	Flood risk areas are not in conservation areas although surface water flooding may occur in conservation areas/archaeological priority zones. Design management of this must be sensitive.
SA/SEA Objectives	Objective 11: To maintain and enhance Metropolitan Open Land and Open Spaces and enhance the landscape character					
Landscape and Townscape	No change since the preferred options stage.				Neutral 0	

SA/SEA Objective	<p>Objective 16: To provide access to an adequate range of support and community facilities</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity</p> <p>Objective 13: To promote educational attainment and the skill level of population</p>					
Equalities	No impact.				-	Do not place housing in Flood Zone 3 even if legal following the findings of the sequential or exception test. To improve performance reference should be made to supporting those properties in existing areas of flood risk to reduce damage were the effects of climate change to be realised.
SA/SEA Objective	No relevant SA/SEA Objectives have been identified for this sustainability topic.					

<p>Population</p>	<p>No change. Will assist in managing the increases in population focusing growth way from areas at risk of flooding</p> <p>. Wil not influence population growth but may support safer growth which serves the growing population.</p>				<p>-/? Negative/dep ends on how the policy is implemented.</p>	<p>Do not place housing in Flood Zone 3 even if legal following the findings of the sequential or exception test</p>
<p>SA/SEA Objective</p>	<p>Objective 3: To improve air quality</p> <p>Objective 4: To reduce noise pollution</p> <p>Objective 10: To reduce poverty and social exclusion</p> <p>Objective 12: To improve the health of people and promote healthy lifestyle</p> <p>Objective 15: To increase the number of decent and affordable homes</p> <p>Objective 16: To provide access to an adequate range of support and community facilities.</p>					

<p>Human Health</p>	<p>No change. Positive will focus development away from areas of flooding.</p>				<p>-</p>	<p>Do not place housing in Flood Zone 3 even if legal following the findings of the sequential or exception test.</p> <p>However emergency planning need to be consulted and measures agreed to ensure existing properties in areas at risk of flooding are adequately supported in the process.</p> <p>Action required for existing properties in risk areas.</p>
<p>SA/SEA objectives</p>	<p>Objective 16: To provide access to an adequate range of support and community facilities</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity</p> <p>Objective 13: To promote educational attainment and the skill level of population</p> <p>Objective 20: To generate employment opportunities for everyone</p> <p>Objective 15: To increase the number of decent and affordable houses</p>					

Poverty and Social Exclusion	No change.				-	Do not place housing in Flood Zone 3 even if legal following the findings of the sequential or exception test.
SA/SEA Objectives	Objective 13: To promote educational attainment and the skill level of population Objective 20: To generate employment opportunities for everyone					
Employment and Skills	No change since preferred options.				0	Conflicts with employment land and applications that would be refused due to flood depths in Hackney Wick.
SA/SEA Objective	Objective 14: To reduce crime, the fear of crime and anti-social behaviour of the borough					
Crime and Safety	No changes since preferred options.				-	Do not place housing in Flood Zone 3 even if legal following the findings of the sequential or exception test

SA/SEA Objective	<p>Objective 6: To reduce the need to travel and encourage use of public transport including walking and cycling</p> <p>Objective 7: To reduce greenhouse gas emissions and promote the efficient use of energy in all activities</p>					
Transport	<p>Transport and key infrastructure is vulnerable development and should be steered away from food risk zones.</p>				Neutral 0	<p>Egress and access important for emergency planning resulting from pluvial flooding is poor in may large residential schemes in the borough. Measures need to be put in place to address this.</p>
SA/SEA Objective	<p>Objective: to increase the number of decent and affordable homes</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity.</p> <p>Objective 11; To encourage complementary activities and land uses together to make more efficient and effective use of land.</p>					

<p>Housing</p>	<p>Positive new housing steered away from flood risk zones.</p> <p>Will effect housing delivery as new housing should be steered away from flood risk zones.</p>				<p>-</p>	<p>Clarity is required on the actual position here. Are we going to take the stronger position of resisting development in flood risk zone 3.</p> <p>Need for reference to existing housing in flood risk zones. Ensure appropriate measures are in place to ensure that existing housing in flood risk zones have appropriate emergency planning measures.</p> <p>SUDS should accompany all new major schemes.</p>
<p>SA/SEA Objective</p>	<p>Objective 19: To promote sustainable economic growth</p>					

Economy	No change.				0 Issue with applications which may be refused for employment uses due to flood depths in Hackney wick.	Designate employment uses in flood zones 3.
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Policy 33- Promoting Sustainable Transport

The Council is committed to prioritising sustainable transport, walking and cycling over private car use, and providing safe and convenient access to rail and bus travel. The need to travel will be reduced through the efficient spatial arrangement of activities and land use throughout the borough. Significant trip generating development should be located in areas with high PTAL scores (5 or above), such as Town Centres or growth Areas. .

Travel plans will be required for all development over a certain size. To minimise noise and disturbance, operations that require heavy movement of goods should be located close to the higher level road network as defined by Transport for London. . Use of sustainable modes of transport will be promoted over other forms of transport by protecting designated strategic transport infrastructure (outlined on the proposals map) and promoting greater pedestrian and cycle priority for movement within the borough and beyond; including the provision of new on and off-street cycle routes, cycle parking, joining up of open spaces and general improvements to the public realm.

Car Parking will be controlled in line with national and regional policy and local parking standards in the emerging Sustainable transport SPD. Car –free developments will be required where appropriate. Car club bays and electric vehicle charging provision will be required where appropriate.

Associated inset map 6.

SA/SEA Objectives and relevant Baseline  Topic areas are ranked against their performance against current targets however the assessment is based on the full scoping report evidence. Please see updated Scoping Report, 2009 for full details.	Description of effect  This section also sets out the level of risk should the policy not be implemented as intended especially in on topic areas where Hackney’s baseline performance against current targets is poor, very poor or at critical levels.	Risk	Timescale	Permanence	Significance	Avoidance/ Mitigation/ Enhancement
SA/SEA Objectives	Objective 1: to protect and enhance biodiversity, flora and fauna					

	Objective 2: To ensure efficient use of natural resources					
Biodiversity	<p>No change. 40% of the borough rely on the car. Reductions in CO2 and other pollution will reduce likely impacts of growth on Biodiversity.</p> <p>Significant trip generating schemes anywhere could have an impact on biodiversity.</p>				Negative -/?	Should this policy not be implemented there is a high risk of pollution levels having a significant adverse effect.
SA/SEA Objectives	Objective 1: Objective 2: To ensure efficient use of natural resources					
Soil, Water & Noise	No change. Reductions in CO2 and other pollution				0	Positive changes with the promotion of car –capped developments.
SA/SEA Objectives	<p>Objective 3: To improve air quality</p> <p>Objective 7: To reduce greenhouse gas emissions and promote efficient use of energy in all activities</p>					

Air	No major change. "car free development will be encouraged, especially within areas with high PTAL scores".				Positive +/-?	.
SA/SEA Objective	<p>Objective7: To reduce greenhouse gas emissions and promote the efficient use of energy in all activities</p> <p>Objective 9: To promote sustainable design</p> <p>Objective 5: To minimize flood risk and encourage Sustainable Urban Drainage System (SUDs) for new developments</p>					
Climate	Reductions in CO2 and other pollution				Positive/depends how this is implemented +/-?	.

SA/SEA Objectives	Objective 18: To minimise waste and maximize recycling in the borough					
Waste	No change.				Negative depends how this is implemented -/?	Provide a policy position on transporting waste to reduce impacts
SA/SEA Objectives	Objective 9: To protect and enhance the borough's historic environment and preserve the archaeological aspects of the borough.					
Cultural Heritage	No change. A lot of areas of conservation are located in locations where PTAL: rating are 5 or above, thus significant trip generating development is anticipated.				Negative, depends how this is implemented -/?	Travel plans consider sensitive areas such as Cultural Heritage.
SA/SEA Objectives	Objective 11: To maintain and enhance Metropolitan Open Land and Open Spaces and enhance the landscape character					

Landscape and Townscape	No change.				-/?	Significant trip generating development can detract from townscape. However steering this to the most appropriate locations is positive.
SA/SEA Objective	No relevant SA/SEA Objectives have been identified for this sustainability topic.					
Population	No change. The policy will assist in managing the increases in population growth.				Neutral 0	Accessibility for all sectors of the community in implementation.
SA/SEA Objective	<p>Objective 3: To improve air quality</p> <p>Objective 4: To reduce noise pollution</p> <p>Objective 10: To reduce poverty and social exclusion</p> <p>Objective 12: To improve the health of people and promote healthy lifestyle</p> <p>Objective 15: To increase the number of decent and affordable homes</p> <p>Objective 16: To provide access to an adequate range of support and community facilities.</p>					

Human Health	No change.				Positive, depends how implemented  +/?	Emphasis on access to healthcare facilities and other essential social infrastructure. Managing emissions more effective can effect health positively..
SA/SEA Objectives	<p>Objective 16: To provide access to an adequate range of support and community facilities</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity</p> <p>Objective 13: To promote educational attainment and the skill level of population</p> <p>Objective 20: To generate employment opportunities for everyone</p> <p>Objective 15: To increase the number of decent and affordable houses</p>					
Equalities	EqIA noted possible negative impacts on equalities groups.				+/?	Emphasis on access to essential infrastructure.
SA/SEA	<p>Objective 16: To provide access to an adequate range of support and community facilities</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity</p> <p>Objective 13: To promote educational attainment and the skill level of population</p> <p>Objective 20: To generate employment opportunities for everyone</p> <p>Objective 15: To increase the number of decent and affordable houses</p>					

Poverty and Social Exclusion	No change.				Positive, depends how this is implemented +/-?	Include a section on increasing accessibility in areas where current transport and access are poor.
SA/SEA Objectives	<p>Objective 13: To promote educational attainment and the skill level of population</p> <p>Objective 20: To generate employment opportunities for everyone</p>					
Employment and Skills	No change.				Positive, depends how this is implemented +/-?	Include a section on increasing accessibility in areas where current transport and access are poor.
SA/SEA Objective	Objective 14: To reduce crime, the fear of crime and anti-social behaviour of the borough					
Crime and Safety					Neutral 0	Ensure design against crime features are incorporated in all public transport locations.

SA/SEA Objective	<p>Objective 6: To reduce the need to travel and encourage use of public transport including walking and cycling</p> <p>Objective 7: To reduce greenhouse gas emissions and promote the efficient use of energy in all activities</p>					
Transport	<p>New sustainable buildings will meet the councils of car capped or car free development.</p> <p>Respondee 13 noted: Waterborne transport of passenger and freight has a role to play in reducing traffic congestion, providing alternative non-car modes of transport and improving air quality.</p>	-	-	0	Positive +	<p>Needs further additions and improvements to improve performance.</p> <p>Further promotion of waterborne transport.</p>
SA/SEA Objective	<p>Objective: to increase the number of decent and affordable homes</p> <p>Objective 10: To reduce poverty and social exclusion and promote cultural diversity.</p> <p>Objective 11; To encourage complementary activities and land uses together to make more efficient and effective use of land.</p>					
Housing	No change	-	-	0	Positive, depends how implemented. +/-	<p>This policy positively supports the delivery of high quality housing. However no specific commitments for estate renewal.</p>

SA/SEA Objective	Objective 19: To promote sustainable economic growth					
Economy		-	-	P	+/? Positive, depends how implemented.	Include a section on increasing accessibility in areas where current transport and access are poor.