

Impact Assessment Matrix 1: Effect and Impact Identification

Plan, policy, programme or project under assessment:		12. Sustainable Design and Construction		Assessment ID: F44.13.004				
Sub- plan, policy, programme or project under assessment:		12.1 By 2013 both new developments and the refurbishment of existing buildings will be designed and constructed to achieve energy and water efficiency standards equal to Code for Sustainable Homes (CSH) level 4 , and BREEAM equivalent standards for non domestic buildings. 20% of the energy needed by development will come from a renewable source identified in an 'energy statement'						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends <i>(see Scoping Report for full description)</i>	Description of Effect/Issue	Can the effect be quantified? <i>(if yes, insert data reference)</i>	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement <i>(See Note 4)</i>	
				Duration <i>(See Note 1)</i>	Consequence <i>(See Note 2)</i>	Status <i>(See Note 3)</i>		
RSF1	<ul style="list-style-type: none"> Net additional dwellings for the current year (Trend: +ve , Target: Achieved) Affordable housing completions (Trend: +ve , Target: n/a) Households on the housing register (Trend: -ve , Target: N/A) Ratio of lower quartile house price to lower quartile house price by district (Trend: -ve , Target: n/a) Number of non decent homes per 1000 dwellings (Trend: +ve , Target: n/a) Percentage of new build and retrofit homes meeting EcoHomes Very Good standard or above or equivalent Code for Sustainable Homes (Trend: Neutral/unchanged , Target: n/a) 	<i>What is the anticipated effect/issue?</i> <ul style="list-style-type: none"> This policy is in direct agreement with RSF1 	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Net additional dwellings for the current year Affordable housing completions Households on the housing register Ratio of lower quartile house price to lower quartile house price by district Number of non decent homes per 1000 dwellings Percentage of new build and retrofit homes meeting EcoHomes Very Good standard or above or equivalent Code for Sustainable Homes 	LP	+	D	This policy is in direct agreement with RSF1 as it will ensure homes are sustainably constructed

Note 1 • **Duration** refers to whether the anticipated effect is a short (S), medium (M) or long (L) term one, and whether it is expected to be permanent (P) or temporary (T).

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Note 3 • **Status** refers to whether the anticipated effect will be direct (D), indirect (I), cumulative (C) or synergistic (S).

Note 4 • **PPPP can definitely do**; **PPPP could do, subject to limits or further investigation thereof**; **PPPP can't do, but others can**

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Sub- plan, policy, programme or project under assessment:		12.2 New housing will be designed and constructed to CSH zero carbon and six star water efficiency standards by 2016 and new non domestic building will be achieve these standards by 2020. Over 30% of the energy needed by the development will come from renewable sources. These standards will apply to all development at the DERA site irrespective of the date						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends <i>(see Scoping Report for full description)</i>	Description of Effect/Issue	Can the effect be quantified? <i>(if yes, insert data reference)</i>	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement <i>(See Note 4)</i>	
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RSF1	<ul style="list-style-type: none"> Net additional dwellings for the current year (Trend: +ve , Target: Achieved) Affordable housing completions (Trend: +ve , Target: n/a) Households on the housing register (Trend: -ve , Target: N/A) Ratio of lower quartile house price to lower quartile house price by district (Trend: -ve , Target: n/a) Number of non decent homes per 1000 dwellings (Trend: +ve , Target: n/a) Percentage of new build and retrofit homes meeting EcoHomes Very Good standard or above or equivalent Code for Sustainable Homes (Trend: Neutral/unchanged , Target: n/a) 	<i>What is the anticipated effect/issue?</i> <ul style="list-style-type: none"> This policy is in direct agreement with RSF1 	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Net additional dwellings for the current year Affordable housing completions Households on the housing register Ratio of lower quartile house price to lower quartile house price by district Number of non decent homes per 1000 dwellings Percentage of new build and retrofit homes meeting EcoHomes Very Good standard or above or equivalent Code for Sustainable Homes 	LP	+	D	This policy is in direct agreement with RSF1 as it will ensure homes are sustainably constructed

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Sub- plan, policy, programme or project under assessment:		12.3 All developments will be built with measures that optimise their sustainability in 'materials, surface water run off , pollution , health and well being, management and ecology' categories of the CSH; and will achieve maximum CSH point scores in all categories by 2016 (2020 for non domestic buildings)						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends <i>(see Scoping Report for full description)</i>	Description of Effect/Issue	Can the effect be quantified? <i>(if yes, insert data reference)</i>	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement <i>(See Note 4)</i>	
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RSF1	<ul style="list-style-type: none"> Net additional dwellings for the current year (Trend: +ve , Target: Achieved) Affordable housing completions (Trend: +ve , Target: n/a) Households on the housing register (Trend: -ve , Target: N/A) Ratio of lower quartile house price to lower quartile house price by district (Trend: -ve , Target: n/a) Number of non decent homes per 1000 dwellings (Trend: +ve , Target: n/a) Percentage of new build and retrofit homes meeting EcoHomes Very Good standard or above or equivalent Code for Sustainable Homes (Trend: Neutral/unchanged , Target: n/a) 	<i>What is the anticipated effect/issue?</i> <ul style="list-style-type: none"> This policy is in direct agreement with RSF1 	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Net additional dwellings for the current year Affordable housing completions Households on the housing register Ratio of lower quartile house price to lower quartile house price by district Number of non decent homes per 1000 dwellings Percentage of new build and retrofit homes meeting EcoHomes Very Good standard or above or equivalent Code for Sustainable Homes 	LP	+	D	This policy is in direct agreement with RSF1 as it will ensure homes are sustainably constructed

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Sub- plan, policy, programme or project under assessment:		12.4 New housing will be designed and constructed to CSH zero carbon and six star water efficiency standards by 2016 and new non domestic building will be achieve these standards by 2020. Over 30% of the energy needed by the development will come from renewable sources. These stand.ards will apply to all development at the DERA site irrespective of the date						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends (see Scoping Report for full description)	Description of Effect/Issue	Can the effect be quantified? (if yes, insert data reference)	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement (See Note 4)	
				Duration (See Note 1)	Consequence (See Note 2)	Status (See Note 3)		
RSF3	<ul style="list-style-type: none"> Proportion of children in poverty (Trend: -VE, RSF Target: N/A) Percentage of population of working age that are claiming key benefits (Trend: -VE, RSF Target: Neutral/unchanged) Percentage of households in fuel poverty (Trend: Neutral/unchanged , RSF Target: N/A) Proportion of population who live in areas that rank within the most deprived 20% of areas in the country (indices of multiple deprivation) (Trend: -VE, RSF Target: N/A) Number of households experiencing financial exclusion i. Number of households without a current account (Trend: +VE, RSF Target: N/A) ii. Number of households without access to affordable personal credit (Data Gap) 	This policy may be in agreement with RSF3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<ul style="list-style-type: none"> Proportion of children in poverty Percentage of population of working age that are claiming key benefits Percentage of households in fuel poverty Proportion of population who live in areas that rank within the most deprived 20% of areas in the country (Indices of multiple deprivation) Number of households experiencing financial exclusion i. Number of households without a current account 	LP	+	D	This policy may have a positive effect on RSF3 depending upon access to new residential developments

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Sub- plan, policy, programme or project under assessment:		12.5 By 2013 both new developments and the refurbishment of existing buildings will be designed and constructed to achieve energy and water efficiency standards equal to Code for Sustainable Homes (CSH) level 4 , and BREEAM equivalent standards for non domestic buildings. 20% of the energy needed by development will come from a renewable source identified in an 'energy statement'						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends (see Scoping Report for full description)	Description of Effect/Issue	Can the effect be quantified? (if yes, insert data reference)	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement (See Note 4)	
				Duration (See Note 1)	Consequence (See Note 2)	Status (See Note 3)		
RSF3	<ul style="list-style-type: none"> Proportion of children in poverty (Trend: -VE, RSF Target: N/A) Percentage of population of working age that are claiming key benefits (Trend: -VE, RSF Target: Neutral/unchanged) Percentage of households in fuel poverty (Trend: Neutral/unchanged , RSF Target: N/A) Proportion of population who live in areas that rank within the most deprived 20% of areas in the country (indices of multiple deprivation) (Trend: -VE, RSF Target: N/A) Number of households experiencing financial exclusion i. Number of households without a current account (Trend: +VE, RSF Target: N/A) ii. Number of households without access to affordable personal credit (Data Gap) 	This policy may be in agreement with RSF3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<ul style="list-style-type: none"> Proportion of children in poverty Percentage of population of working age that are claiming key benefits Percentage of households in fuel poverty Proportion of population who live in areas that rank within the most deprived 20% of areas in the country (Indices of multiple deprivation) Number of households experiencing financial exclusion i. Number of households without a current account 	LP	+	D	This policy may have a positive effect on RSF3 depending upon access to new residential developments

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Sub- plan, policy, programme or project under assessment:		12.6 All developments will be built with measures that optimise their sustainability in 'materials, surface water run off , pollution , health and well being, management and ecology' categories of the CSH; and will achieve maximum CSH point scores in all categories by 2016 (2020 for non domestic buildings)						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends <i>(see Scoping Report for full description)</i>	Description of Effect/Issue	Can the effect be quantified? <i>(if yes, insert data reference)</i>	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement <i>(See Note 4)</i>	
				Duration <i>(See Note 1)</i>	Consequence <i>(See Note 2)</i>	Status <i>(See Note 3)</i>		
RSF3	<ul style="list-style-type: none"> Proportion of children in poverty (Trend: -VE, RSF Target: N/A) Percentage of population of working age that are claiming key benefits (Trend: -VE, RSF Target: Neutral/unchanged) Percentage of households in fuel poverty (Trend: Neutral/unchanged , RSF Target: N/A) Proportion of population who live in areas that rank within the most deprived 20% of areas in the country (Indices of multiple deprivation) (Trend: -VE, RSF Target: N/A) Number of households experiencing financial exclusion i. Number of households without a current account (Trend: +VE, RSF Target: N/A) ii. Number of households without access to affordable personal credit (Data Gap) 	This policy may be in agreement with RSF3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<ul style="list-style-type: none"> Proportion of children in poverty Percentage of population of working age that are claiming key benefits Percentage of households in fuel poverty Proportion of population who live in areas that rank within the most deprived 20% of areas in the country (indices of multiple deprivation) Number of households experiencing financial exclusion i. Number of households without a current account 	LP	+	D	This policy may have a positive effect on RSF3 depending upon access to new residential developments

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Sub- plan, policy, programme or project under assessment:		12.7 By 2013 both new developments and the refurbishment of existing buildings will be designed and constructed to achieve energy and water efficiency standards equal to Code for Sustainable Homes (CSH) level 4 , and BREEAM equivalent standards for non domestic buildings. 20% of the energy needed by development will come from a renewable source identified in an 'energy statement'						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends <i>(see Scoping Report for full description)</i>	Description of Effect/Issue	Can the effect be quantified? <i>(if yes, insert data reference)</i>	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement <i>(See Note 4)</i>	
				Duration <i>(See Note 1)</i>	Consequence <i>(See Note 2)</i>	Status <i>(See Note 3)</i>		
RSF14	<ul style="list-style-type: none"> Days when air pollution is moderate or high (Trend: Neutral/unchanged , RSF Target: N/A) 	<i>What is the anticipated effect/issue?</i> This policy is in direct agreement with RSF 14	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Days when air pollution is moderate or high 	LP	+	D	This policy is in direct agreement with RSF as the developments aim to use renewable energy sources which would improve air pollution

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Plan, policy, programme or project under assessment:		12. Sustainable Design and Construction		Assessment ID: F44.13.004				
Sub- plan, policy, programme or project under assessment:		12.8 New housing will be designed and constructed to CSH zero carbon and six star water efficiency standards by 2016 and new non domestic building will be achieve these standards by 2020. Over 30% of the energy needed by the development will come from renewable sources. These standards will apply to all development at the DERA site irrespective of the date						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends <i>(see Scoping Report for full description)</i>	Description of Effect/Issue	Can the effect be quantified? <i>(if yes, insert data reference)</i>	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement <i>(See Note 4)</i>	
				Duration <i>(See Note 1)</i>	Consequence <i>(See Note 2)</i>	Status <i>(See Note 3)</i>		
RSF14	<ul style="list-style-type: none"> Days when air pollution is moderate or high (Trend: Neutral/unchanged , RSF Target: N/A) 	<i>What is the anticipated effect/issue?</i> This policy is in direct agreement with RSF 14	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Days when air pollution is moderate or high 	LP	+	D	This policy is in direct agreement with RSF as the developments aim to use renewable energy sources which would improve air pollution

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Sub- plan, policy, programme or project under assessment:		12.9 All developments will be built with measures that optimise their sustainability in 'materials, surface water run off , pollution , health and well being, management and ecology' categories of the CSH; and will achieve maximum CSH point scores in all categories by 2016 (2020 for non domestic buildings)						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends <i>(see Scoping Report for full description)</i>	Description of Effect/Issue	Can the effect be quantified? <i>(if yes, insert data reference)</i>	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement <i>(See Note 4)</i>	
				Duration <i>(See Note 1)</i>	Consequence <i>(See Note 2)</i>	Status <i>(See Note 3)</i>		
RSF14	<ul style="list-style-type: none"> Days when air pollution is moderate or high (Trend: Neutral/unchanged , RSF Target: N/A) 	<i>What is the anticipated effect/issue?</i> This policy is in direct agreement with RSF 14	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Days when air pollution is moderate or high 	LP	+	D	This policy is in direct agreement with RSF as the developments aim to use renewable energy sources which would improve air pollution

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RSF17	<ul style="list-style-type: none"> Emissions of greenhouse gases by source (Trend: -VE , RSF Target: N/A) Per capita CO2 emissions (Trend: +VE, Target: +VE) 	<i>What is the anticipated effect/issue?</i> <ul style="list-style-type: none"> This policy is in direct agreement with RSF17 	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Emissions of greenhouse gases by source Per capita CO2 emissions 	LP	+	D	This policy is in direct agreement with RSF17 as it would assist in reducing emissions of greenhouse gases

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RSF17	<ul style="list-style-type: none"> Emissions of greenhouse gases by source (Trend: -VE , RSF Target: N/A) Per capita CO2 emissions (Trend: +VE, Target: +VE) 	<i>What is the anticipated effect/issue?</i> <ul style="list-style-type: none"> This policy is in direct agreement with RSF17 	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Emissions of greenhouse gases by source Per capita CO2 emissions 	LP	+	D	This policy is in direct agreement with RSF17 as it would assist in reducing emissions of greenhouse gases

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RSF17	<ul style="list-style-type: none"> Emissions of greenhouse gases by source (Trend: -VE , RSF Target: N/A) Per capita CO2 emissions (Trend: +VE, Target: +VE) 	<i>What is the anticipated effect/issue?</i> <ul style="list-style-type: none"> This policy is in direct agreement with RSF17 	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> Emissions of greenhouse gases by source Per capita CO2 emissions 	LP	+	D	This policy is in direct agreement with RSF17 as it would assist in reducing emissions of greenhouse gases

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Plan, policy, programme or project under assessment:		12. Sustainable Design and Construction		Assessment ID: F44.13.004				
Sub- plan, policy, programme or project under assessment:		12.13 By 2013 both new developments and the refurbishment of existing buildings will be designed and constructed to achieve energy and water efficiency standards equal to Code for Sustainable Homes (CSH) level 4 , and BREEAM equivalent standards for non domestic buildings. 20% of the energy needed by development will come from a renewable source identified in an 'energy statement'						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
SA/SEA Objectives	Indicators / Targets /Trends <i>(see Scoping Report for full description)</i>	Description of Effect/Issue	Can the effect be quantified? (if yes, insert data reference)	Characterisation of Effect			Comments including recommendations for minor effect mitigation & enhancement <i>(See Note 4)</i>	
				Duration (See Note 1)	Consequence (See Note 2)	Status (See Note 3)		
RSF18	<ul style="list-style-type: none"> Population that are within water resources zones that are in deficit (Data Gap) 	<i>What is the anticipated effect/issue?</i> <ul style="list-style-type: none"> This policy is in direct agreement with RSF18 	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Data:</i> <ul style="list-style-type: none"> N/A 	LP	+	D	This policy is in direct agreement with RSF18 as the proposals will help prepare for the impacts of climate change

Note 1 **Duration** refers to whether the anticipated effect is a short (S), medium (M) or long (L) term one, and whether it is expected to be permanent (P) or temporary (T).

Note 2 **Consequence** refers to whether the anticipated effect will be a significantly beneficial (++), beneficial (+), neutral (0), adverse (-) or significantly adverse (--).one.

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Note 4 **PPPP can definitely do**; **PPPP could do, subject to limits or further investigation thereof**; **PPPP can't do, but others can**

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Plan, policy, programme or project under assessment:		12. Sustainable Design and Construction		Assessment ID: F44.13.004				
Sub- plan, policy, programme or project under assessment:		12.14 New housing will be designed and constructed to CSH zero carbon and six star water efficiency standards by 2016 and new non domestic building will be achieve these standards by 2020. Over 30% of the energy needed by the development will come from renewable sources. These standards will apply to all development at the DERA site irrespective of the date						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
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Sub- plan, policy, programme or project under assessment:		12.15 All developments will be built with measures that optimise their sustainability in 'materials, surface water run off , pollution , health and well being, management and ecology' categories of the CSH; and will achieve maximum CSH point scores in all categories by 2016 (2020 for non domestic buildings)						
Will implementation of the proposed strategic option, policy or action affect the sustainability of the Borough...		Brief description & character of the anticipated effect						
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RSF24	<ul style="list-style-type: none"> Rivers of Good or Fair chemical and biological water quality (Trend: +ve, RSF Target: Achieved) Compliance with EC Bathing Waters Directive (Trend: Neutral/unchanged, RSF Target: Achieved) Nitrate status of groundwater/ % of sites not meeting standard (Data Gap) GQA nutrient status of freshwaters for Phosphate and Nitrate (Trend: N/A , Target: N/A) Per capita consumption (PCC) of water (Trend: +ve, Target: Initial target achieved) 	This policy is in direct agreement with RSF24	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<ul style="list-style-type: none"> Rivers of Good or Fair chemical and biological water quality Compliance with EC Bathing Waters Directive GQA nutrient status of freshwaters for Phosphate and Nitrate Per capita consumption (PCC) of water 	LP + D	This policy is in direct agreement with RSF24 as the this will help assist in sustainable water resource management	

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