

LD9

London Legacy Development
Corporation

Integrated Impact Assessment of the Local Plan

Non-Technical Summary

NTS/248753/2018-0021

Issue | September 2018

This report takes into account the particular instructions and requirements of our client.

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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1 Introduction

1.1 Background

Ove Arup and Partners Limited (Arup) has been appointed by the London Legacy Development Corporation (LLDC) to conduct an Integrated Impact Assessment (IIA) of the revised LLDC Local Plan. The Local Plan provides a framework that will guide growth and development throughout the area in a sustainable way.

This non-technical summary identifies the component assessments undertaken for the Local Plan and that are presented in the full Integrated Impact Assessment report. It also describes the key findings of the IIA process.

1.2 The area

The London Legacy Development Corporation has powers that allow it to make planning decisions within a 'Planning Area' in the vicinity of the Queen Elizabeth Olympic Park (Figure 1). The Planning Area crosses the boundaries of four London boroughs: Tower Hamlets, Hackney, Newham and Waltham Forest.

1.3 Sustainability

The LLDC area is densely populated and dynamic, where development is driving growth and regeneration. The Local Plan process aims to make sure that this growth is sustainable and appropriate for the local context. However, to understand if the Local Plan is promoting sustainable development, a full understanding of the barriers to achieving sustainability in the local area was needed.

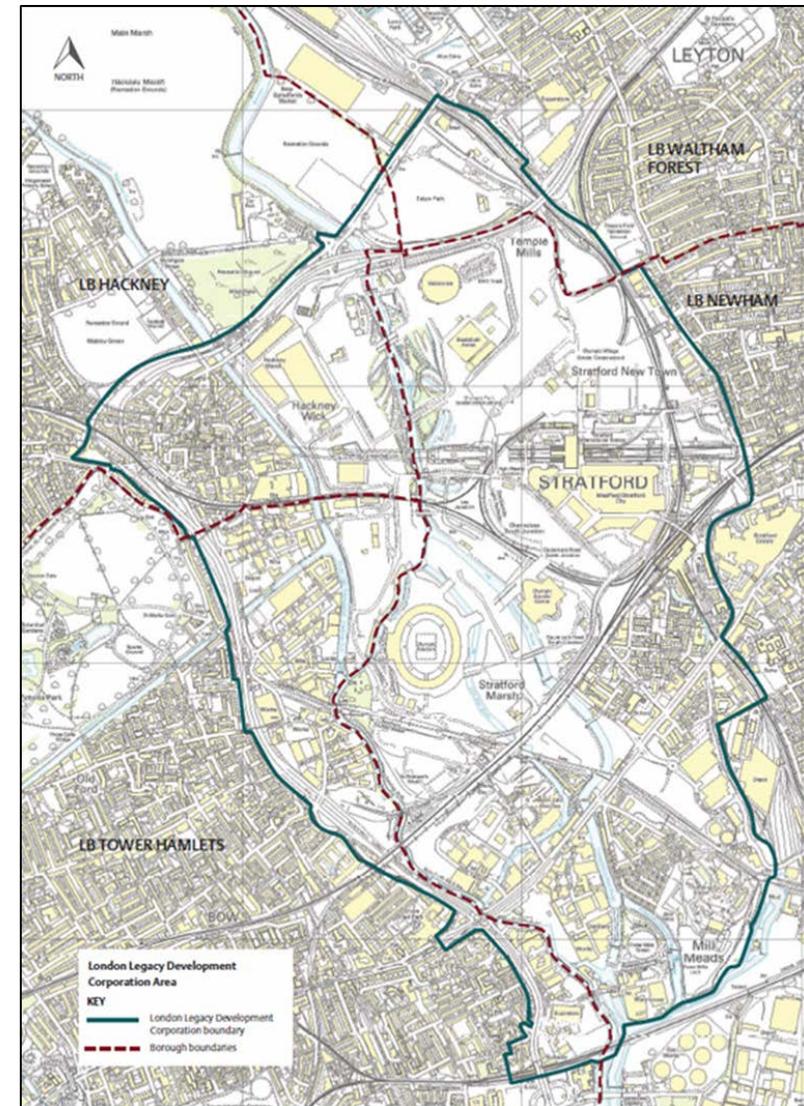


Figure 1: The LLDC Planning Area

2 Integrated Impact Assessment

2.1 How assessment is undertaken

An IIA combines five different assessments to assess the Local Plan:

‘Sustainability Appraisal, which refers to the overall sustainability of



policies and their effects on the environment and is required by the Planning and Compulsory Purchase Act 2004;

‘Strategic Environmental Assessment’, which refers to the assessment of the environmental effects of plans and programmes required by European Union Legislation (Directive 2001/42/EC);



‘Equalities Impact Assessment’, which focuses on ensuring that different groups of people, including those defined as ‘protected characteristics’ (such as age, gender, disability, race etc.) are not adversely affected by changes and is required by the Equality Act 2010;



‘Health Impact Assessment’, which seeks to ensure that the overall health of the population is protected and enhanced, and is recommended under the Greater London Authority Act 1999; and



‘Community Safety Impact Assessment’, which considers the effects of policies on the perceived and actual levels of safety and crime in communities and the wider area and is a requirement under Section 17 of the Crime and Disorder Act 1998 and the Police and Justice Act 2006.



Ensuring sustainable growth across the area is a central aim of the Local Plan. To demonstrate that the Local Plan is achieving this aim, it was tested against certain criteria that were developed by understanding the sustainability issues, or barriers to achieving sustainability, of the area. To understand these sustainability issues, the latest information and statistics relating to the London Legacy Development Corporation area were reviewed.

The sustainability issues were examined and 24 objectives were created to address them. During the review process, each policy in the Local Plan was scored against these 24 objectives using the following scale:

Very negative	--
Somewhat negative	-
Neutral	0
Somewhat positive	+
Very positive	++
Unknown	?

This identified where policies will have positive, negative or neutral effects, or where the effects were unknown at this stage. Where appropriate, recommendations were then made to improve the policy outcomes.

This Integrated Impact Assessment has only reviewed those policies which are new, or which have significantly changed since the 2015 LLDC Local Plan. Section 3 provides a summary of each objective and how well the amended and new policies scored against this objective.

3 Assessment findings

3.1 Objective 1 – Equality and inclusion

To make London a fair and inclusive city where every person is able to participate, reducing inequality and disadvantage and addressing the diverse needs to the population.

Research looking at equality and inclusion in the London Legacy Development Corporation area revealed a growing and ageing population which could result in social isolation. As a result of redevelopment in the area, residents are at risk of the effects of gentrification which can threaten community cohesion. This objective promotes an equal and respectful culture, providing opportunities for people to lead an active and fulfilling life and ensures that locals can participate in decision-making.

A large number of policies affect equality and inclusion in the area. Around two thirds of the assessment ratings were positive or very positive, with **Transport** policies having a particularly positive effect on equality and inclusion. This is because these policies aim to make transport easier, more efficient and more accessible by improving public transport and promoting sustainable travel. Policies relating to **Health and wellbeing** and **Housing** also perform well against this objective. However, there are opportunities to improve the **Air Quality** and **Noise** policies to benefit equality in the area. Improvements could increase the provision for, and encourage the use of, quiet outdoor community spaces away from places with poor air quality to promote a sense of community openness, inclusion and ownership of the area.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

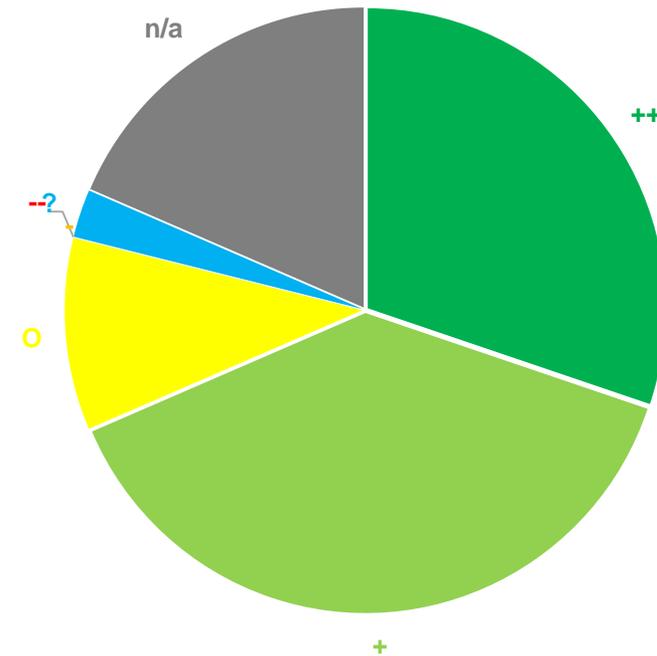


Figure 2: Overall policy performance against Objective 1.

3.2 Objective 2 – Social integration

To ensure London has socially integrated communities which are strong, resilient and free of prejudice.

Research into levels of social integration in the London Legacy Development Corporation area revealed that issues of population growth and development without consideration of the community could result in feelings of social isolation. This is particularly the case in pockets of deprivation throughout the area. The objective aims to create socially integrated communities by managing the effects of population growth and designing developments, especially housing, in a way which maximises opportunities for community engagement and integration.

A large number of the policies will impact upon social integration. Overall, around two thirds of the assessment ratings were either positive or very positive. Local Plan policies relating to **Housing** will address problems arising from a population that is both growing and ageing, providing more housing that is affordable and appropriately designed. **Transport** policies will increase social integration by providing and improving infrastructure to make housing and development accessible, support economic growth by connecting housing with town and city centres, and facilitate local connectivity through promoting sustainable transport choices. Site allocations for development in the **Sweetwater** and **Chobham Farm North** intend to provide housing and transport links within the London Legacy Development Corporation area. This supports social integration by providing residents with access to facilities like shops, schools and healthcare and improving transport links.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

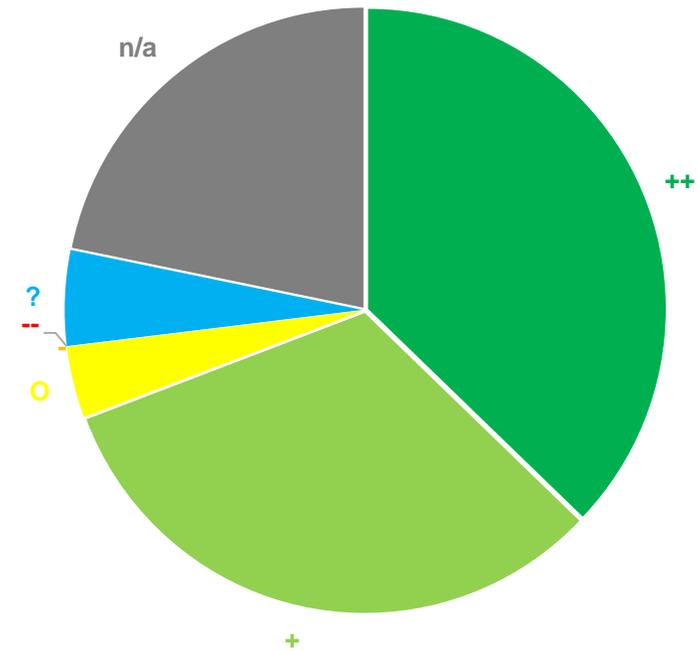


Figure 3: Overall policy performance against Objective 2.

3.3 Objective 3 – Health and health inequalities

To improve the mental and physical health and wellbeing of Londoners and to reduce health inequalities across the City and between communities.

Research into the health across the population of the area showed that people are living longer, which is introducing a need for more complex and long-term healthcare treatments. This is putting pressure on local health services and is creating inequalities around health, as different groups within the population are less able to access appropriate healthcare. These health inequalities are also seen through low levels of engagement in physical activity. The objective targets new developments in the area that meet the needs of the whole population, provide services without discrimination and encourage sustainable and efficient development.

A large number of policies will have an impact upon health and health inequalities in the area. A small proportion of policies would not impact on the current situation; these policies relate to the **Metropolitan Centre**, the **Stratford High Street Policy Area**, meaning that there are opportunities to improve the policies to benefit the health of the population in specific areas. Two thirds of the assessments rated the policies either positive or very positive. **Transport** policies work to connect developments and residents to key services, while **Housing** and **Design** policies are ensuring that modern homes are built to new and sustainable design standards to reduce fuel poverty and encourage healthy lifestyles. The **Health and Wellbeing** policy is very positive in encouraging healthy lifestyles to reduce obesity and improve access to healthcare services and facilities in the London Legacy Development Corporation area.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

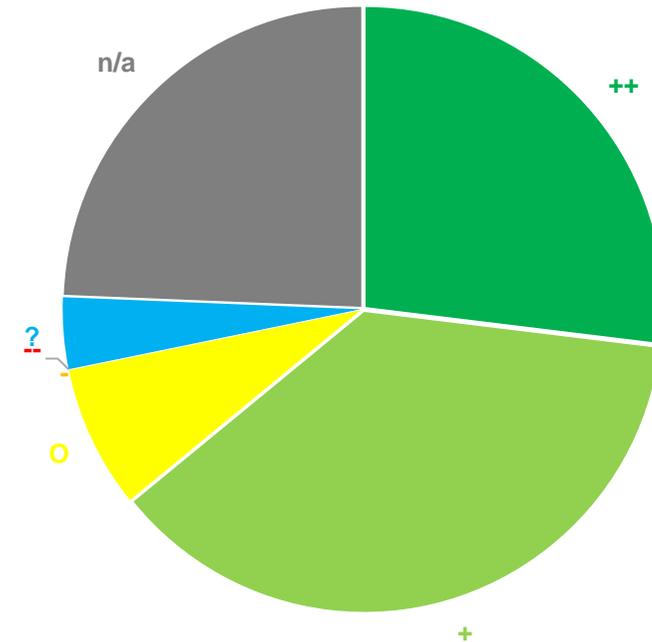


Figure 4: Overall policy performance against Objective 3.

3.4 Objective 4 – Crime, safety and security

To contribute to safety and security and the perceptions of safety.

Research into the crime, safety and security across the area revealed that there are many ‘high value’ assets in the area, which draw large numbers of visitors. This increases the risk to safety in the event of an incident. More generally, there are a number of unlit vacant and derelict sites that reduce the perceived safety of the area. This objective aims to ensure crime and safety are considered at the design stage of developments, and to reduce crime more widely and improve safety.

This objective was only relevant for around one third of the assessments. Of the assessments that were relevant, just less than one half required further information to determine the impact of the policies. This included assessments for **Transport** policies, including the policy relating to **Metropolitan Centre**, the **Street Network**, and managing development and infrastructure for sustainability and serving new developments. Policies often lacked specific detail relating to how design could influence perceived and actual safety, especially while maintaining accessibility. Some policies do not specifically refer to safety but it is recognised that the aim of the policy would increase safety, security or resilience and further information is requested. The assessments for policies in **Resilience, safety and security**, the **Stratford High Street Policy Area**, and **Providing for pedestrians and cyclists** were overall very positive and stand to improve safety and resilience in the area. The challenges faced by the Local Plan to achieve this objective are related to fire and safety within the night time economy.

Overall, the Local Plan is successful in targeting some specific crime and safety issues. However, this approach is often inconsistent between policies and certain issues are not referenced.

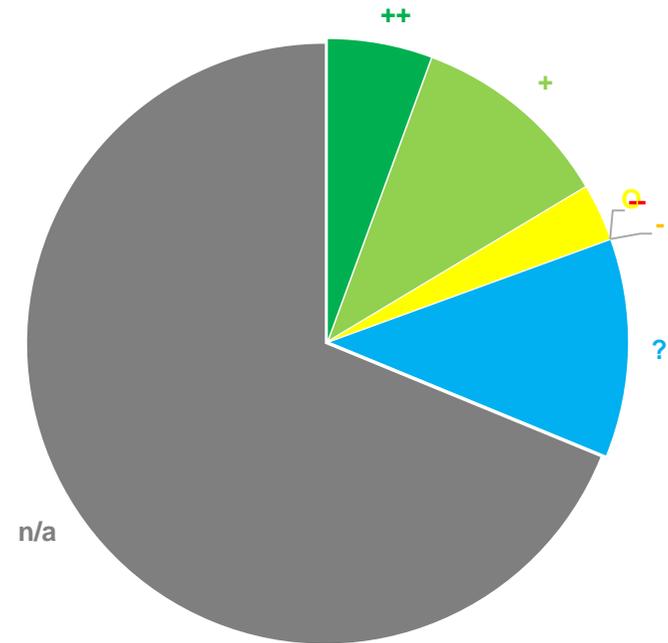


Figure 5: Overall policy performance against Objective 4

3.5 Objective 5 – Housing supply, quality, choice and affordability

To provide a quantum, type, quality and tenure of housing (including specialist and affordable provision) to better meet demographic change and household demand.

Research into housing in the London Legacy Development Corporation area shows a significant projected population increase up to 2036. This will put increasing pressure on the existing housing stock, and will increase the need for adaptable homes to support a range of needs. The most common type of housing in the London Legacy Development Corporation area are flats and apartment blocks, whilst the area as a whole is similar to the rest of London and has experienced an increase in house price to earnings, making the area less affordable. As a result, levels of home ownership are low, and there is a risk of increased levels of homelessness. The objective seeks to ensure that the provision and quality of housing better meets demographic change and household demand. This is particularly in terms of facilitating the delivery of house building, reducing homelessness and overcrowding, increasing the range and affordability of housing and promoting accessible and adaptable homes.

A large number of policies will impact on housing. Around three quarters of the policies scored positively or very positively against the assessment criteria, with **Housing** policies surrounding delivery, diversifying affordability and inclusive design performing particularly well. Those surrounding shared living and alternative accommodation also performed well, as a result of the focus on appropriate locations and supported by communal facilities, along with ongoing management arrangements.

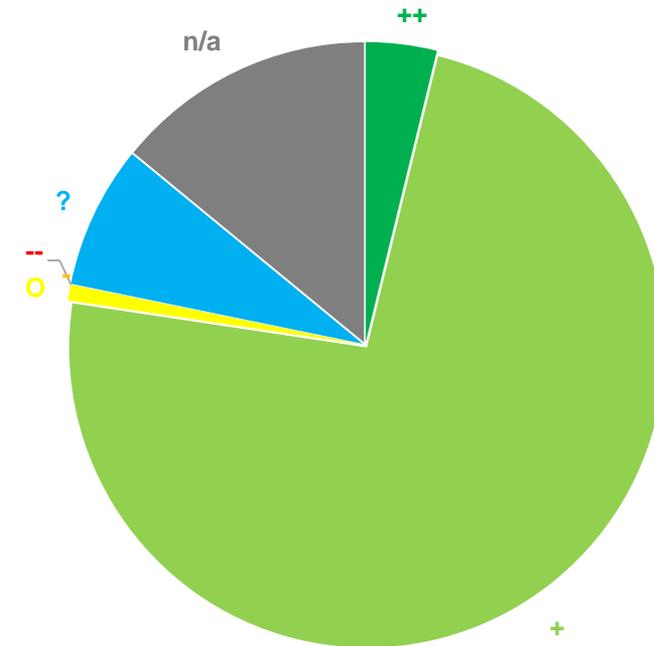


Figure 6: Overall policy performance against Objective 5

3.6 Objective 6 – Sustainable land use

Make the best and most efficient use of land so as to support sustainable patterns and forms of development.

Research into land use showed that there are a large amount of brownfield sites being promoted for development. This objective aims to ensure that the risks associated with contaminated land are considered, and that existing and new communities are supported by appropriately located developments, which integrate the existing transport network and are designed in such a way that is inclusive for different groups of people.

This objective was relevant to around two thirds of the assessments undertaken. Overall, the majority of these assessment ratings were either very positive or positive. Policies which performed very well were not specific to one chapter and related more broadly to the integration of land use and transport infrastructure. For example, the **Maximising housing and infrastructure provision within new neighbourhoods** policy ensures land for housing is acquired from a range of sources, promotes regeneration and provides benefits for existing communities. The site allocations of the **Metropolitan Centre** and **Bow Goods Yards** support developments which are accessible and integrated within the existing transport network, and would be appropriate in size to ensure different groups of people and their communities would not be negatively affected by development.

Overall, the Local Plan policies performed well against this objective.

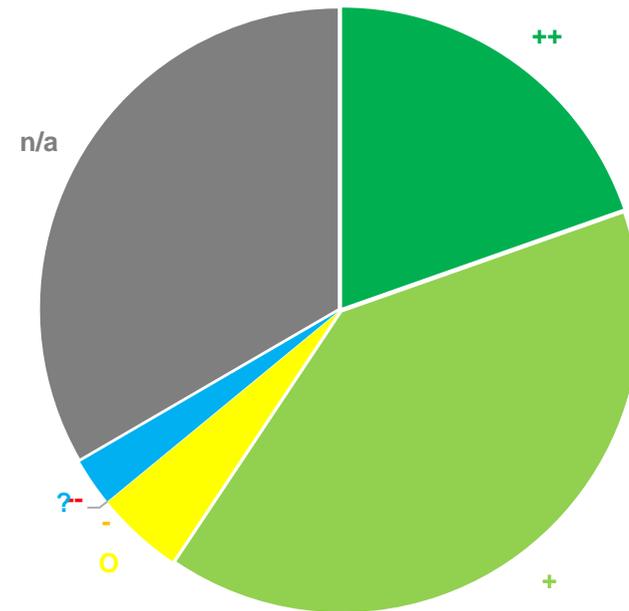


Figure 7: Overall policy performance against Objective 6.

3.7 Objective 7 – Design

To create attractive, mixed use neighbourhoods, ensuring new buildings and spaces are appropriately designed that promote and enhance existing a sense of place and distinctiveness reducing the need to travel by motorised transport.

Research into the area revealed several opportunities to improve the design of developments and neighbourhood areas to retain community cohesion. The objective aims to use design to improve the quality and sustainability of neighbourhoods. It encourages good design principles which can create safe, accessible, high quality and sustainable developments. This will create a sense of place and promoting vibrant communities and diversity within the area. It will also make the area friendlier for those with sensory and cognitive impairments.

Over half of the assessments undertaken against this objective were positive or very positive. Policies that performed very well were either referring to a specific issue in the area, such as **Providing for pedestrians and cyclists** and **Designing development**, where design is at the heart of the development process. **Transport** and **Housing** policies are also promoting design through accessible and inclusive design of buildings and infrastructure. There are opportunities for **Air Quality** and **Affordable Housing** policies to refer to good design principles to ensure that clean air is properly considered in development construction and its ongoing use.

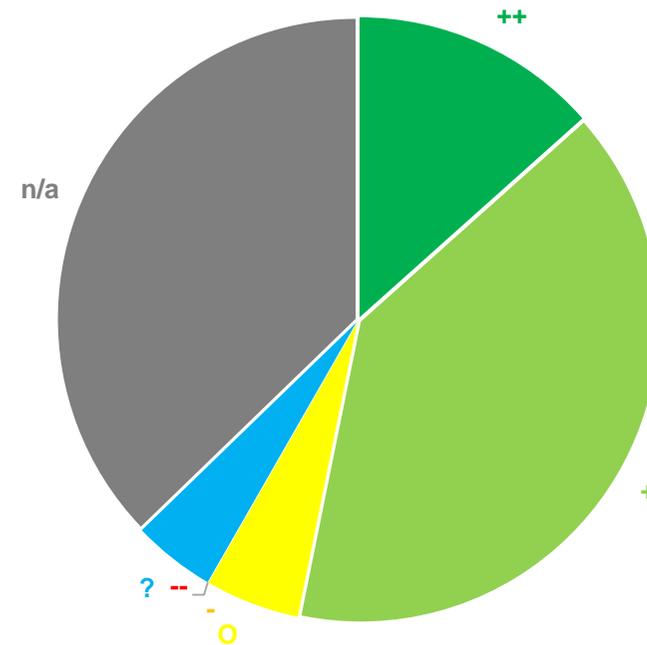


Figure 8: Overall policy performance against Objective 7.

3.8 Objective 8 – Accessibility

To maximise accessibility for all in and around London.

Research into accessibility identifies that as the population within the area continues to grow, there are concerns over accessibility in and around London. This objective seeks to ensure that policies improve access to public transport, increase equality of access to services and facilities, and improve links between areas, neighbourhoods and communities.

A large number of the assessments were relevant to accessibility. The majority of the assessment ratings were positive or very positive. Local Plan policies relating to **Housing** and **Transport** policies had particularly positive effect on accessibility due to the promotion of a ‘Healthy Streets Approach.’ This aims to improve accessibility, maximise inclusivity and reduce transport issues relating to noise, air pollution, dangerous roads, social isolation and severance. The Site Allocations of **Hackney Wick and Fish Island, North Stratford and Eton Manor, Central and Southern Queen Elizabeth Olympic Park, Bromley-by-Bow, Pudding Mill, Sugar House Lane and Mill Meads** perform well against this objective by identifying local improvements to improve accessibility.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place

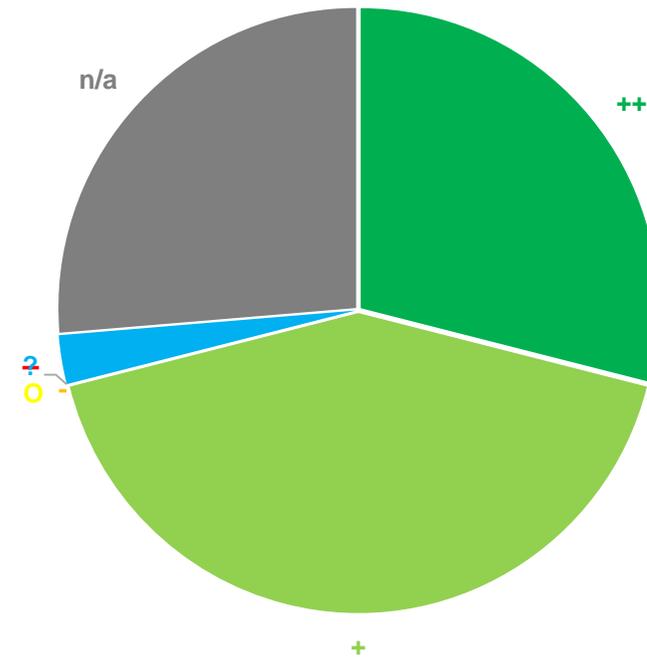


Figure 9: Overall policy performance against Objective 8.

3.9 Objective 9 – Connectivity

To enhance and improve connectivity for all to, from, within and around London and increase the proportion of journeys made by sustainable and active transport modes.

Research into connectivity in the London Legacy Development Corporation area revealed that there are issues relating to the integration of new developments with existing neighbourhoods. There are concerns surrounding access to new and existing transport hubs, as well as public transport. This objective aims to address these issues by improving public transport links across London, reducing congestion on roads as well as public pavements and footpaths, and reducing unequal access to public transport.

Around one quarter of policies affect connectivity in the area. Two thirds of the assessment ratings were positive or very positive impact. Many **Transport** policies have a particularly positive effect on connectivity by ensuring growth and integration of transport infrastructure and reducing congestion in the wider area. However, there are opportunities to improve some transport to benefit connectivity in the area. Improvements could increase sustainable and active travel to increase the proportion of journeys made by sustainable and active transport modes.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

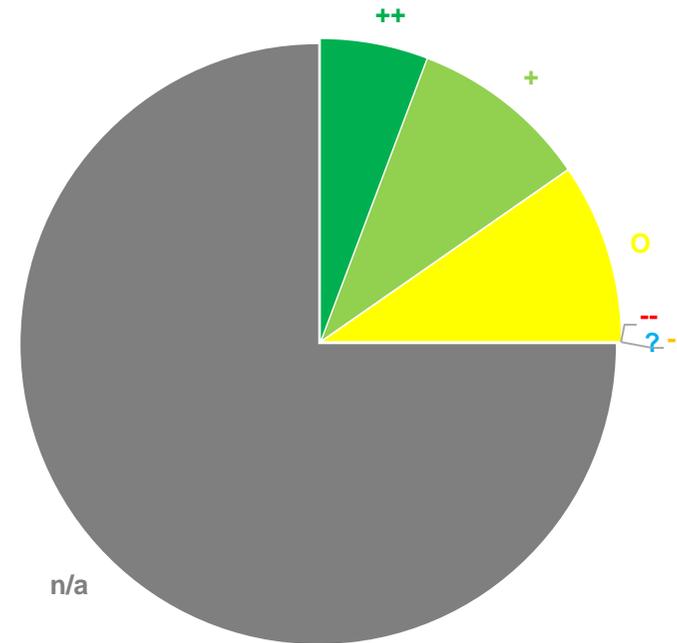


Figure 10: Overall policy performance against Objective 9.

3.10 Objective 10 – Economic competitiveness and employment

To maintain and strengthen London's position as a leading, connected, knowledge based global city and to support a strong, diverse and resilient economic economy structure providing opportunities for all.

Research into economic competitiveness and employment has identified specific economic issues that could impact growth and prosperity in the London Legacy Development Corporation area. Specific local issues such as housing pressures, unemployment and the difference between income and the cost of living put the economy at risk of continuous change and the impacts of the decision to leave the European Union. The objective seeks to address these issues through increasing productivity and delivering economic benefits across the London Legacy Development Corporation area.

A large number of Local Plan policies will impact on economic competitiveness and employment. Overall, around two thirds of the assessment ratings were either positive or very positive. **Employment** policies have a very positive impact as they aim to ensure that employment is appropriately located, to improve accessibility and develop resilience in the main economic centres within the area. Policies relating to **Transport, Housing, Development and Health and wellbeing** all positively impacted on this objective. These groups of policies supported redevelopment, resilience and social mobility to improve economic growth in the London Legacy Development Corporation area.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

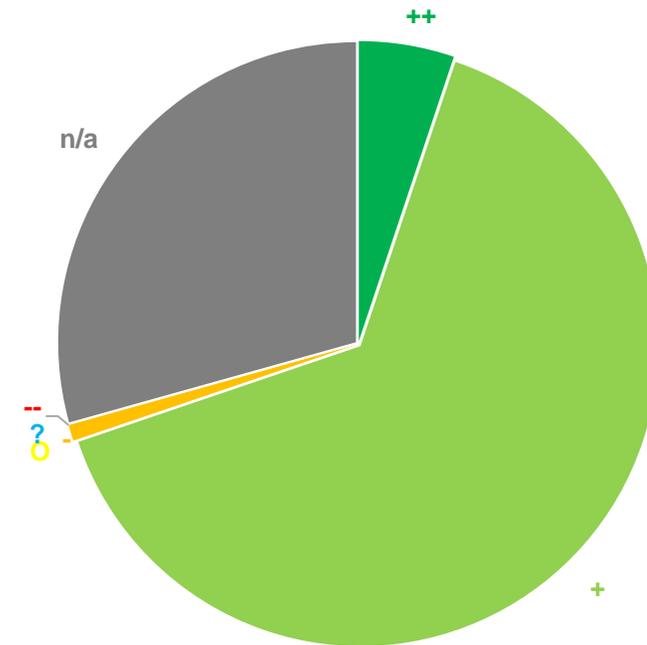


Figure 11: Overall policy performance against Objective 10.

3.11 Objective 11 – Infrastructure

To ensure that provision of environmental, social and physical infrastructure is managed and delivered to meet population and demographic change in line with sustainable development and to support economic competitiveness.

Research into infrastructure in the London Legacy Development Corporation area shows a significant projected population increase up to 2036, which will increase demands on infrastructure throughout the Local Plan timeframe. Similarly, the baseline demonstrates that a number of new centres will emerge through the Local Plan period. The substantial level of planned residential and economic growth will require extensive supporting infrastructure. This objective seeks to ensure that the provision of environmental, social and physical infrastructure is managed and delivered to meet population and demographic change in line with sustainable development and economic competitiveness more broadly.

A large number of policies will impact on infrastructure. Around three quarters of the policies scored positively or very positively. The majority of policies affect the provision of social, environmental and physical infrastructure to some extent. Policies surrounding **Transport** and **Employment** played a particularly important role in supporting economic competitiveness and inclusivity, whilst policies surrounding **Energy** and **Flood Risk** playing a greater role in unlocking housing growth.

Policies surrounding **Town, Neighbourhood and Local Centres** support the objectives from a community’s perspective, providing a range of cultural, leisure, sport and retail infrastructure to improve the amenity of existing and future residents and visitors, and as a result performed well against the Integrated Impact Assessment criteria.

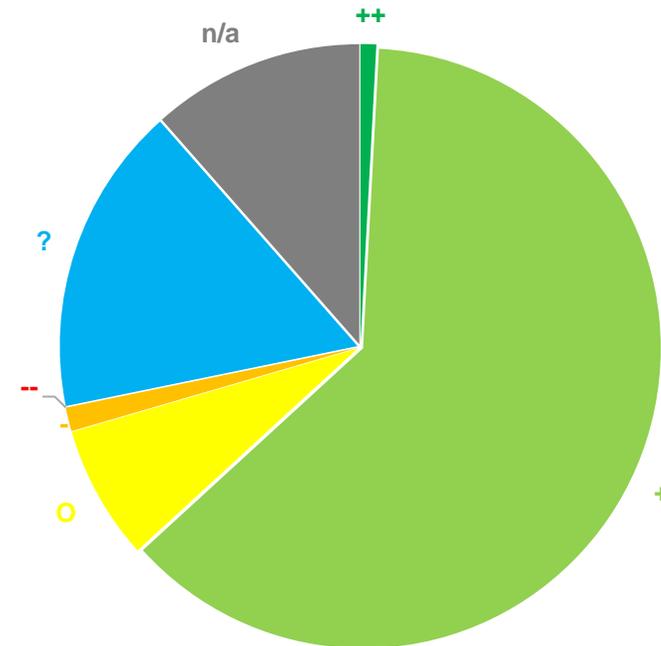


Figure 12: Overall policy performance against Objective 11.

3.12 Objective 12 – Education and skills

To ensure the education and skills provision meets the needs to London's existing and future labour market and improves life chances for all.

Research into education and skills in the London Legacy Development Corporation area revealed a demand for schools, the need to address the low percentage of qualified individuals within ethnic minorities, and to ensure that adults are sufficiently skilled to enter employment. This objective seeks to address these issues through the provision of sufficient school places to meet the growing needs across London and supporting adult education opportunities.

This objective was only relevant to less than a quarter of assessments. Of the assessments that were relevant, the majority were positive or very positive. **Housing** policies have a positive effect on the objective as they indirectly support the development of education infrastructure, and the wellbeing of students, particularly through the provision of appropriate accommodation for students. Additionally, policies relating to **Digital Connectivity** positively impact the objective through improving skills of residents and supporting London's reputation as an international city of learning.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

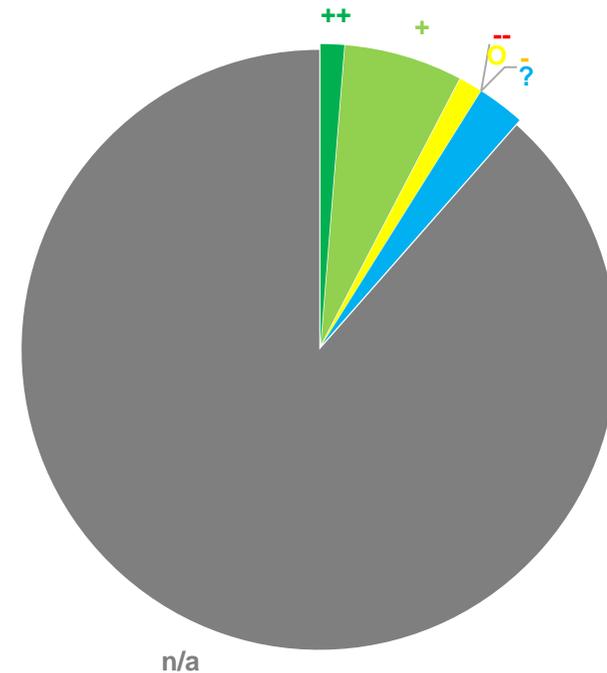


Figure 13: Overall policy performance against Objective 12.

3.13 Objective 13 – Culture

To safeguard and enhance London’s rich cultural offer, infrastructure, heritage, natural environment and talent to benefit all Londoners while delivering new activities that strengthen London’s global position.

Research into cultural assets within the London Legacy Development Corporation area revealed a need for the retention of historical and cultural heritage within developments and improved management of any development pressures, with specific regard to the protection of key historical assets within the London Legacy Development Corporation area. The objective seeks to address these issues through improving accessibility to cultural venues and affordable cultural activities.

Over a quarter of the policies will impact upon cultural aspects. Overall, the majority of the assessment ratings were positive. Local Plan policies relating to **Heritage** ensure the conservation of heritage assets, supporting the wider protection of cultural assets. **Housing** policies support improved participation through the provision of mixed and inclusive neighbourhoods which provide wider supporting social and physical infrastructure. This will increase accessibility to cultural activities, particularly for marginalised groups and older persons.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

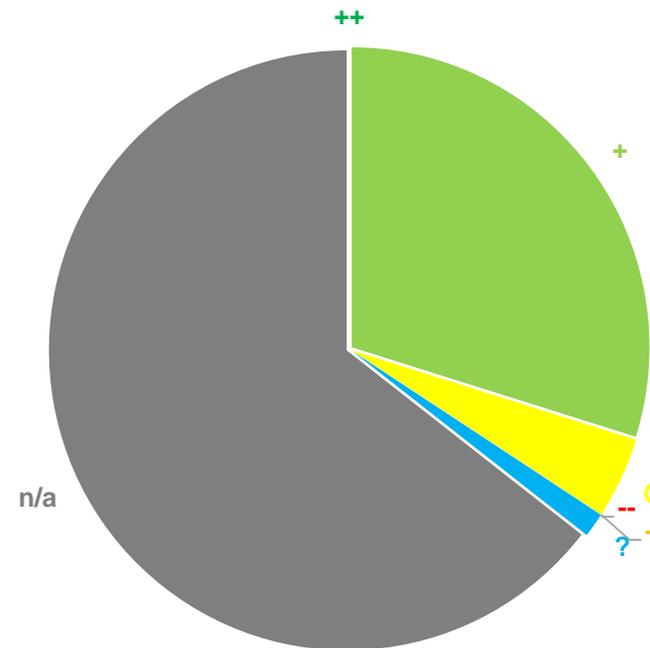


Figure 14: Overall policy performance against Objective 13.

3.14 Objective 14 – Air Quality

To reduce emissions and concentrations of harmful atmospheric pollutants, particularly in areas of poorest air quality and reduce exposure.

Research into air quality within the London Legacy Development Corporation area revealed high levels of nitrogen air pollution in key hotspots and a need for continuing air quality improvements across the boroughs. The objective seeks to address these issues by encouraging cleaner air through a reduction in emissions, focusing on areas which have higher concentrations of vulnerable people.

One third of the policies will impact upon air quality. Overall, just over a quarter of the assessment ratings were positive. Policies on **Health and Wellbeing** and **Transport** support a ‘Healthy Streets Approach’ which aims to improve accessibility, reduce congestion and manage transport issues relating to poor air quality. The policies will also reduce the reliance on private car use, resulting in reduced emissions. **Energy** policies have a positive effect as focus is placed on efficient and renewable forms of energy which can reduce pollutant emissions.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

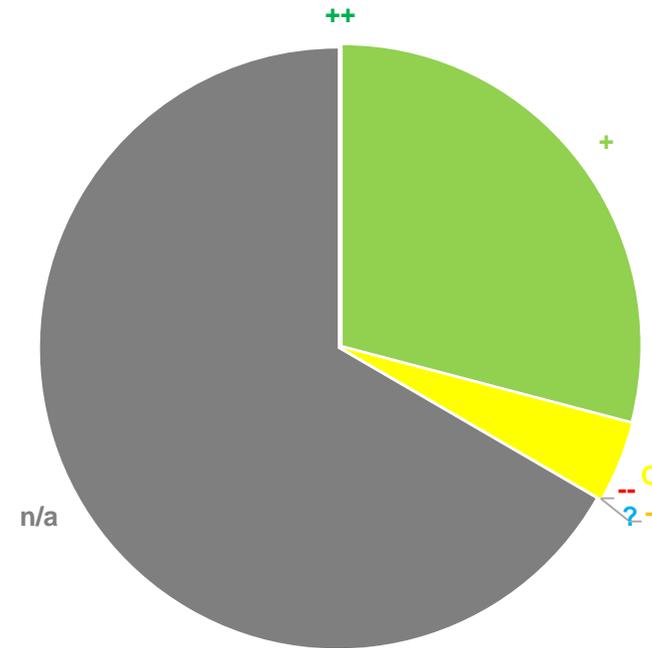


Figure 15: Overall policy performance against Objective 14.

3.15 Objective 15 – Climate change adaptation

To ensure London adapts and becomes more resilient to the impacts of climate change and extreme weather events such as flood, drought and heat risks.

Research into climate change adaptation revealed a risk to property from flooding. There is a need for the protection of drainage areas as well as improved management of extreme weather events. The objective seeks to help reduce climate change impacts on vulnerable groups and to help the local area function during extreme weather events such as flooding or extreme periods of drought.

This objective was only relevant to a small number of the assessments. Of the assessments that were relevant, almost all were positive or very positive. **Health and Wellbeing** policies will have a very positive effect on the objective as they support green spaces which aim to minimise the impact of increased heat through measures such as increasing shade from trees. Additionally, **Flooding** and **Drainage** policies positively affect the objective by requiring developers to assess and mitigate flood risks within the area.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

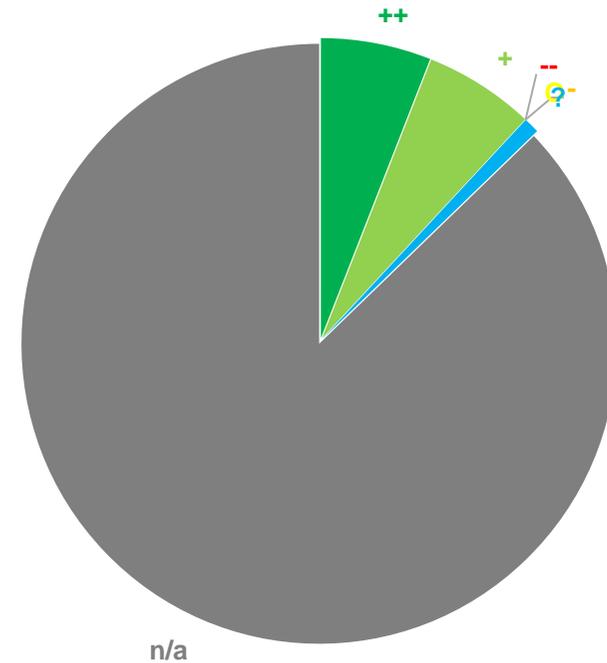


Figure 16: Overall policy performance against Objective 15.

3.16 Objective 16 – Climate change mitigation

To help tackle climate change through reducing greenhouse gas emissions and moving towards a zero carbon London by 2050.

Research into climate change mitigation revealed a need for focus on energy use and demand in the London Legacy Development area and improve energy efficiency and the use of renewable or local energy. The objective seeks to address this by promoting low-carbon developments and the use of new technologies to reduce pollution.

The objective was relevant to approximately one third of the assessments. Of the assessments that were relevant, all were positive or very positive. **Transport** policies were overall very positive through the support for the ‘Healthy Streets Approach’ which encourage greener streets with more cycling, walking and public transport. This supports a reduction in private car use, reducing pollution in the London Legacy Development Corporation area. **Digital** policies also positively impact the objective through the use of digital tools to reduce carbon emissions and improve energy efficiency.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

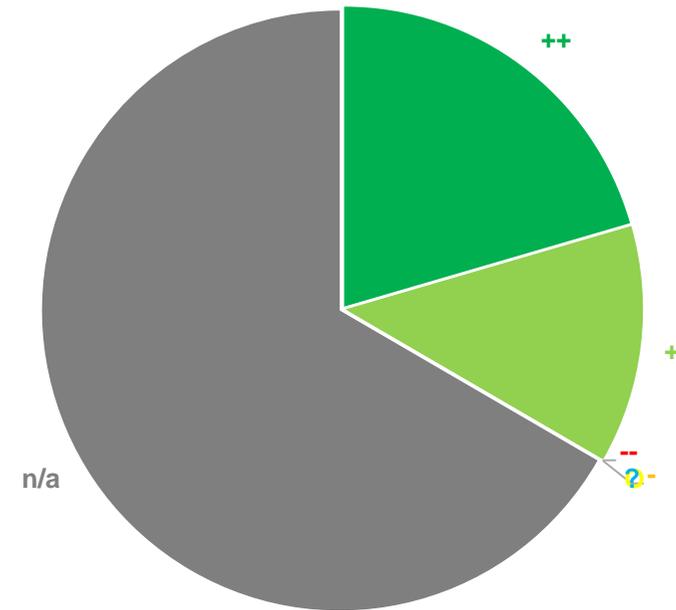


Figure 17: Overall policy performance against Objective 16.

3.17 Objective 17 – Energy use and supply

To manage and reduce demand for energy, achieve greater energy efficiency, utilise new and existing energy sources effectively, and ensure a resilient smart and affordable energy system.

Research into energy use and supply in the London Legacy Development Corporation area revealed that energy is not produced locally or from renewable resources. This objective seeks to address these issues by increasing the proportion of energy both purchased and generated from renewable and sustainable resources. It also aims to reduce the impacts of fuel poverty, particularly for vulnerable groups.

This objective was relevant to less than a quarter of the assessments. Of the assessments that were relevant, the majority were positive or very positive. **Housing** and **Sustainability** policies in particular supported energy efficiency. These policies aim to improve energy efficiency of new housing, resulting in reduced energy use and therefore reduced costs for residents. Policies relating to **Transport** also perform positively against this assessment. However, there are opportunities to use digital and infrastructure policies to benefit energy efficiency in the area.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

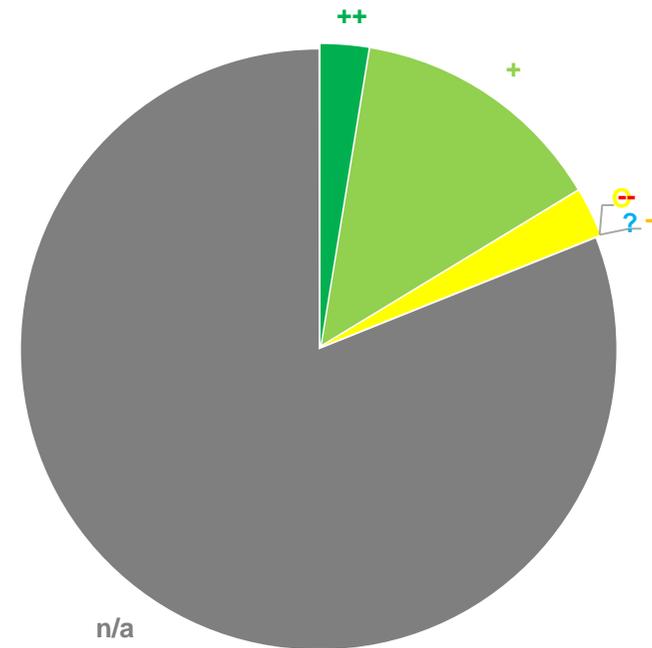


Figure 18: Overall policy performance against Objective 17.

3.18 Objective 18 – Water resources and quality

To protect and enhance London’s water bodies by ensuring that London has a sustainable water supply, drainage and sewerage system.

Research into water resources and quality in the London Legacy Development Corporation area identified importance of key waterbodies in the local area. This objective ensures that policies improve and protect London’s rivers and water bodies, and supports necessary improvements to the water systems infrastructure.

This objective was only relevant for around one third of assessments. Of the assessments that were relevant, all were positive or very positive. **Sustainability** policies have a particularly positive impact on water resources and quality. This is because these policies support natural flood protection measures and green landscaping to manage flooding in the local area. The Site Allocations of **Hackney Wick and Fish Island, North Stratford and Eton Manor, Central and Southern Queen Elizabeth Olympic Park, Bromley-by-Bow, Pudding Mill, Sugar House Lane and Mill Meads** all also perform well against this objective by supporting improvements to local areas.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

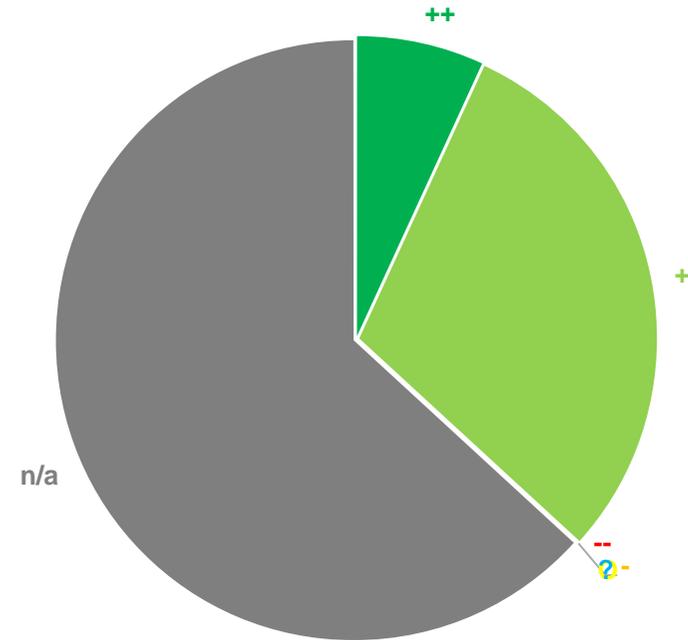


Figure 19: Overall policy performance against Objective 18.

3.19 Objective 19 – Flood risk

To manage the risk of flooding from all sources and improve the resilience of people and property to flooding.

Research into water resources and quality in the London Legacy Development Corporation identified the potential flood risk in the area. This objective seeks to minimise and manage the risk of flooding and promote sustainable drainage.

This objective was relevant for less than half of the assessments. Of the assessments that were relevant, all were positive or very positive. **Sustainability** policies have a particularly positive impact improving the resilience of people and property to flooding. These policies aim to reduce sources of flood risk through the maintenance of existing flood defences and promote new defences where necessary. The Site Allocations of **Hackney Wick and Fish Island, North Stratford and Eton Manor, Central and Southern Queen Elizabeth Olympic Park, Bromley-by-Bow, Pudding Mill, Sugar House Lane and Mill Meads** all also perform well against this objective by supporting improvements in local areas.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

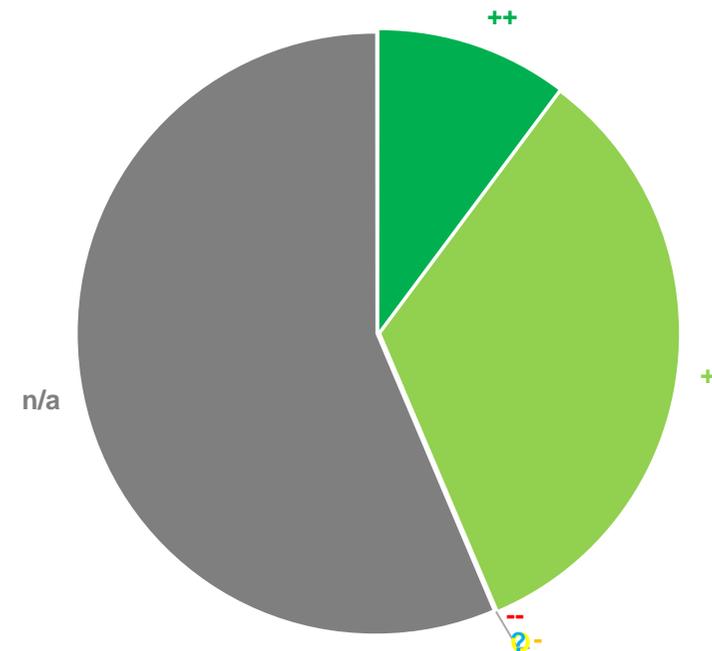


Figure 20: Overall policy performance against Objective 19.

3.20 Objective 20 – Natural capital and natural environment

To protect, connect and enhance London’s natural capital (including important habitats, species and landscapes) and the services and benefits it provides.

Research into natural capital and the natural environment in the London Legacy Development Corporation area identified biodiversity and protected areas. This objective seeks to protect and enhance London’s green spaces and waterways, thereby bringing nature closer to people and avoiding damage to protected species and habitats.

This objective was only relevant for less than half of the assessment. Of the assessments that were relevant, the majority were positive. **Design** and **Sustainability** policies have a particularly positive impact on enhancing London’s natural capital. These policies aim to improve the natural environment by reducing emissions and water use, encouraging low-carbon development and increasing tree coverage and the provision of open and green spaces. Policies relating to **Transport** and **Health and Wellbeing** support ‘Healthy Streets Approach’ which aim to reduce private vehicle use and associated emissions. However, there are opportunities to improve the development and flood risk policies to benefit the natural environment in the area.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

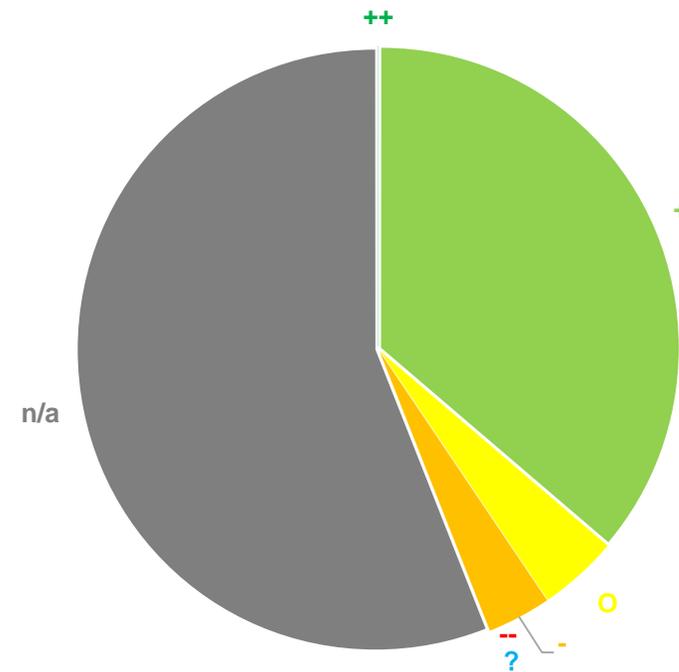


Figure 21: Overall policy performance against Objective 20.

3.21 Objective 21 – Historic environment

To conserve and enhance the existing historic environment, including sites, features, landscapes and areas of historical, architectural, archaeological and cultural value in relation to their significance and their settings.

Research into the historic environment revealed that there is a need for the protection of key historical assets within the London Legacy Development Corporation area. This objective seeks to address these issues through the conservation and enhancement of historic assets and their setting, and promote improved accessibility for all to heritage environments.

This objective was relevant to approximately one third of assessments. Of the assessments that were relevant, the majority were positive. **Heritage Conservation** policies were very positive benefit by ensuring the conservation and enhancement of heritage assets. **Transport** policies also have a particularly positive effect on the historic environment as they aim to increase accessibility through improving transport links to areas of historic significance. Policies related to **Health and Wellbeing** also benefit through the increase in social connectivity and inclusion through the shared sense of place offered by historic environments.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

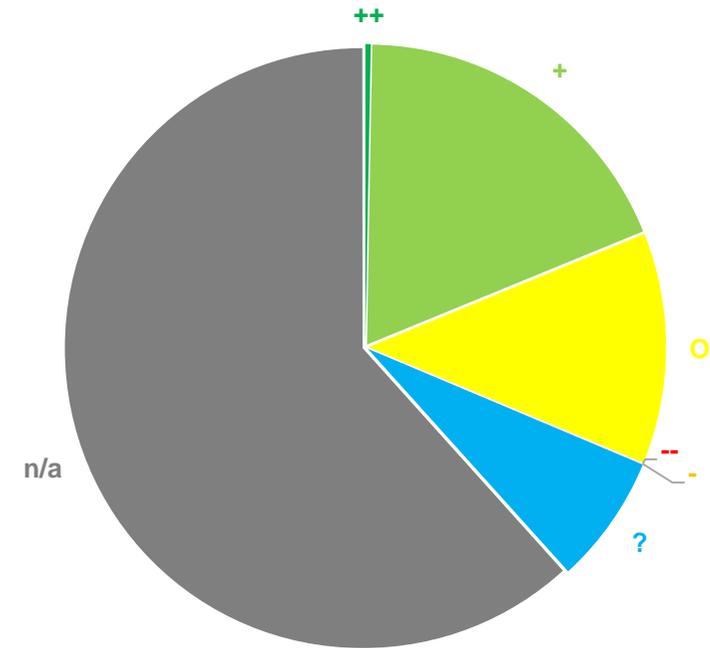


Figure 22: Overall policy performance against Objective 21.

3.22 Objective 22 – Geology and soils

To conserve London’s geodiversity and protect soils from development and over intensive use.

Research into geology and soils revealed a potential need to prevent or remediate the risk of soil contamination. Modification of the landscape and remediation are required for large areas of brownfield land. This objective seeks to address these issues through the promotion of the use of brownfield land, prevention of further soil degradation, soil restoration.

This objective was relevant to very few assessments. However, of the assessments that were relevant, all were positive. **Housing** policies had a positive effect on this objective as they promote redevelopment or brownfield sites and enhancement of sites. The **Sustainable Drainage Measures** policy also specifically effects this objective through restricting surface water run-off and reducing land contamination and pollution of watercourses.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

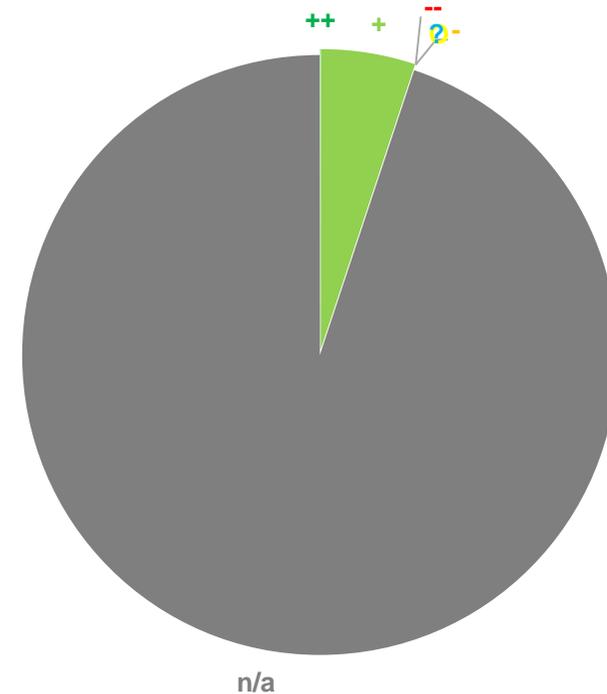


Figure 23: Overall policy performance against Objective 22.

3.23 Objective 23 – Materials and waste

To keep materials at their highest value and use for as long as possible. To significantly reduce waste generated and achieve high reuse and recycling rates.

Research into materials and waste revealed that there is an increasing pressure on waste sites and infrastructure to meet demand from new developments. This objective seeks to address these issues through promoting of waste reduction, reuse, re-manufacturing and recycling.

The objective was only relevant to a small number of policies. Of the assessments that were relevant, the majority were positive or very positive. The policy **Creating Vitality Through Interim Uses** has a particularly positive impact on materials and waste as it aims to reduce waste through extending the lifetime of assets and providing means by which people can share resources. Additionally, **Housing** and **Digital Connectivity** policies have a positive impact by encouraging materials re-use and reduced waste generation.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

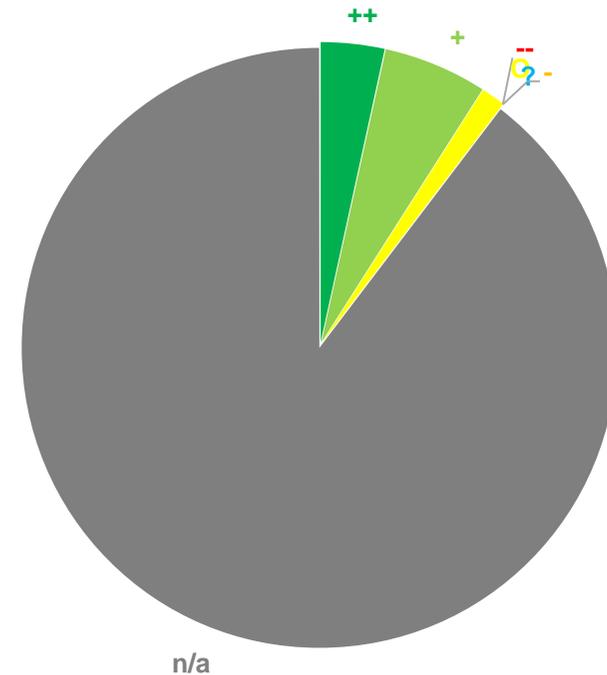


Figure 24: Overall policy performance against Objective 23.

3.24 Objective 24 – Noise and vibration

To minimise noise and vibration levels and disruption to people and communities across London and reduce inequalities in exposure.

Research into noise and vibration revealed that there is a need for balance between the night-time economy and residential housing in mixed-use developments due to the impact of noise levels on existing residents during large-scale redevelopment. This objective seeks to address these issues through reducing the level of exposure to high levels of noise including night time noise in residential areas, road, rail and aviation noise and disruption from vibrations.

This objective was only relevant to just under one quarter of assessments. Of the assessments that were relevant, the majority were positive. The **Noise** policy supports actions to reduce noise levels and increase access to quiet and tranquil spaces. **Land Use** policies have a particularly positive impact on noise and vibration due to their provision for temporary interim uses of land premises and mitigation of noise disturbances in these areas. There are opportunities for **Housing** and **Business** policies to improve the current noise landscape, particularly when considering the location of new developments and proposals to support the night time economy.

Overall, this objective is strongly supported by the Local Plan policies that will be put in place.

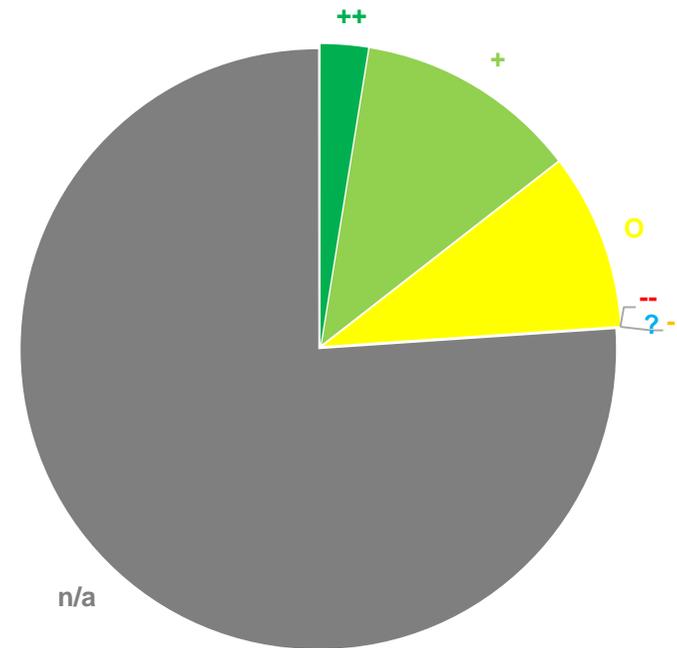


Figure 25: Overall policy performance against Objective 24.

4 Next Steps

This Integrated Impact Assessment is open for consultation alongside the draft Local Plan. Upon completion of the consultation period, the consultation responses will be collated and analysed. The findings will be used in preparation of, and where appropriate revision of, the final Local Plan. The review of consultation feedback is due to be undertaken in early 2019.

If you would like further information about, or would like to comment on, the London Legacy Development Corporation Local Plan or this Integrated Impact Assessment, please contact:

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