

Cabinet

Monday 18 July 2022

11.00 am

Ground Floor Meeting Rooms, 160 Tooley Street, London SE1 2QH

Appendices

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APPENDIX A

Number	Theme	Recommendation	Specific areas	Ranking	Relevant Action(s) in Climate Action Plan	Status (Covered / Part-covered / Other Strategy / New Action / Not Included)	Council Response
1	Housing and buildings	Wellbeing Climate change cannot be considered in isolation. We want a liveable Southwark. New builds should always have wellbeing as a central consideration.	a) 15 mins walk to essential services (15 min city), designing in active travel as default	7th	S.1.i Encourage and promote shopping locally to support business and reduce miles travelled	Part-covered in Climate Action Plan	While the Southwark Plan (2022) does not explicitly reference a 15 minute city, the council's thriving neighbourhoods approach replicates many of the principles with regards to town centres, business and job creation, location of amenities and priority of active and sustainable travel. The Climate Action Plan contains an action that focuses on promotion of local shopping.
1	Housing and buildings	Wellbeing Climate change cannot be considered in isolation.	b) Reducing fuel poverty	7th	B.1.v Establish a free green homes advice service for homeowners to help make homes greener and lower carbon emissions O.1.i Provide guidance and support to residents and businesses on	Covered within Climate Action Plan	Existing actions within the Climate Action Plan to target energy saving advice for those experiencing fuel poverty and to highlight examples of best practice in reducing bills.

					low carbon energy efficiency through creation of an Energy Savers Service		
1	Housing and buildings	Wellbeing Climate change cannot be considered in isolation.	c) Playgrounds and green spaces	7th	X.1.i Develop a community garden plan which includes a new right for residents to have a community garden or food growing plots on their estates X.1.ii Designate more land in the borough for allotments	Covered within Climate Action Plan.	Climate Action Plan contains existing actions around protecting and enhancing green space, including developing a community garden plan and providing more land for allotments. N
1	Housing and buildings	Wellbeing Climate change cannot be considered in isolation.	d) Encourage outdoor/public art via local arts education	7th		Other strategy - Public Art Policy 2022	The Public Art Policy includes practical, best practice recommendations for each step of the public art commissioning process. The recommendations encourage public art commissioners to adopt processes that are inclusive, anti-racist and contribute to the council's commitment to tackling climate change.

1	Housing and buildings	Wellbeing Climate change cannot be considered in isolation.	e) Resilience should be taken into greater consideration, including assessing flood risks and mitigation strategies	7th	Y.1.iv Develop a climate change adaptation strategy	New action added to Climate Action Plan	Climate Adaptation Strategy - to be developed late 2022, new action added.
2	Housing and buildings	Constructing new buildings should be a last resort and where new building is necessary, it should be with the goal of zero carbon emissions.	Where zero carbon is not possible, for example during construction, developers should be required to prioritise carbon offsets that include local investment, to reach net zero. This should be mandatory and not subject to a profit viability assessment.	11th	A.2.i Assess options in the early review of the Southwark Plan for encouraging the use of recycled materials in new development as a means of reducing the embodied carbon of new builds A.2.iii Approve the Carbon Offset Fund (now called the Green Buildings Fund) within Southwark in Autumn 2021, including governance structure and approach to	Covered within Climate Action Plan.	<p style="text-align: right;">ω</p> <p>The Carbon Offset Fund is now approved, and in place as the Green Buildings Fund. Initial projects are under review to receive funding. Work is underway on supplementary planning guidance on embodied carbon.</p>

					prioritising spend B.2.i Through the Green Buildings Fund, allocate £2 million for internal capital projects that meet the eligibility criteria by 2024		
2	Housing and buildings	Constructing new buildings should be a last resort and where new building is necessary, it should be with the goal of zero carbon emissions.	Developers should be incentivised under the local planning framework to create zero carbon buildings. There should be a public and accessible transparent ledger of all homes built, including their carbon emission rating, updated regularly. All new builds should adhere to other existing regulations including the percentage of social housing.	11th	A.2.ii Ensure compliance with planning policies for improved energy efficiency in all new build properties by creating standardised measuring frameworks	Covered within Climate Action Plan.	Work to be undertaken as part of early review of Southwark Plan (2022). ↗

2	Housing and buildings	Constructing new buildings should be a last resort and where new building is necessary, it should be with the goal of zero carbon emissions.	Council should lobby central government to end the right-to-buy programme and assess the benefits and detriments of properties in line for right-to-buy.	11th		Other Strategy	This is beyond the scope of the Climate Action Plan but lobbying around ending and opposing extension of right-to-buy has been undertaken by Cabinet Members.
2	Housing and buildings	Constructing new buildings should be a last resort and where new building is necessary, it should be with the goal of zero carbon emissions.	Possible inclusions as part of new building: <ul style="list-style-type: none"> • Electric vehicle charging stations (including disabled access) • Bike storage • Cycle and walking pathways 	11th		Other Strategy - Southwark Plan (2022)	Southwark Plan (2022). EV charging, bike storage and cycle/walking links considered as part of planning process. P45 - Healthy Developments. P50 - Highways Impact. P53 - Cycling (Cycle Parking Standards). P54 - Car Parking (EV Charging).
3	Housing and buildings	Demolition as a last resort Demolition impacts neighbourhoods and communities. We are concerned that demolition and rebuild may have a negative effect on climate change impact	No demolition should proceed until: <ul style="list-style-type: none"> • An assessment of CO2 emissions is completed and includes those generated during the build as well as during its lifetime compared to a refurbishment option 	13th		Other Strategy - Southwark Plan (2022)	Major referable development in the borough is subject to a whole lifecycle carbon assessment and a Circular Economy Statement. This is monitored before, during and after construction to ensure the new build is pushed towards net zero.

		compared to refurbishing existing buildings.					
3	Housing and buildings	Demolition as a last resort	<ul style="list-style-type: none"> • Assessment of structural soundness of existing buildings 	13th		Other Strategy - Southwark Plan (2022)	This will be considered for major developments within the lifecycle carbon assessment when factoring in if a building is fit for repurpose.
3	Housing and buildings	Demolition as a last resort	<ul style="list-style-type: none"> • Rigorous community consultations (to avoid new buildings where possible). This must include ballots or compulsory co-design for current and/or potential tenants 	13th		Other strategy - Housing Strategy (2020)	The London Plan and the council's Housing Strategy (2020) require a ballot to be carried out on estate regeneration schemes, this is supported by further resident engagement on design options.
3	Housing and buildings	Demolition as a last resort	<ul style="list-style-type: none"> • Assessment of empty buildings: with over 7000 empty or unused properties in Southwark, empty buildings should be prioritized to be put 	13th	A.1.ii Review planning policy to support the retrofitting of heritage buildings to reduce carbon emissions	Other Strategy - Empty Homes Action Plan (2021)	This action plan sets out Southwark Council's zero tolerance approach to long term empty homes and plans to bring empty homes quickly back into use. It contains a number of actions for both private and council-owned homes.

			to use before new builds. If a building is found to be structurally sound, there should be compulsory retrofit instead of rebuilding				
3	Housing and buildings	Demolition as a last resort	<ul style="list-style-type: none"> • Encourage compulsory purchase of empty buildings 	13th		Other Strategy - Empty Homes Action Plan (2021)	The council's Empty Homes Action Plan includes an action around the use of compulsory purchase orders for empty buildings to reduce unused homes in the borough. A £2m CPO fund was recently agreed.
3	Housing and buildings	Demolition as a last resort	<ul style="list-style-type: none"> • Assess impact on use of green space, to avoid new buildings where possible 	13th		Other Strategy - Southwark Plan (2022)	The Southwark Plan (2002) has policies SP5 (Thriving Neighbourhoods and Tackling Health Inequalities) and P60 (Biodiversity) that focus on increasing, protecting and enhancing green space and require all developments to have a biodiversity net gain.
4	Housing and buildings	Improvements in energy efficiency of housing	Incentivise all landlords to improve Energy Performance Certificate (EPC) rating from E to B by 2025 by offering discounts or loans on retrofit schemes.	3rd	A.1.i Define options for energy performance standards, Energy Use Intensity targets and policy response to update the	Covered within Climate Action Plan	As detailed in the Cabinet report, support has been offered to businesses to improve their EPC rating through subsidies. Introduction of the Gold Standard Charter scheme which encourages private landlords to raise their EPCs to a B or C.

					<p>Building Regulations 2022 B.2.iv Encourage private sector landlords to increase their EPCs to a B or C and enforce minimum energy efficiency standards in private rented sector properties with EPCs of F and below, or those that do not have an EPC</p>		
4	Housing and buildings	Improvements in energy efficiency of housing	Local and/or small businesses providing retrofit services should be supported and prioritised for contracts.	3rd	<p>T.2.iii Support innovation in green business sectors through council business support and workspace programmes T.3.ii Establish a 'retrofit learning network' to bring together experts to share information on the potential</p>	Covered within Climate Action Plan and Fairer Future Procurement Framework	<p>∞</p> <p>The council has an action focused on supporting local green businesses within the action plan. Further support can be considered as part of carbon neutral procurement work. The council's Fairer Future Procurement Framework already looks to promote social value through improving the local economy and focusing on local job creation.</p>

					<p>costs, available discounts and carbon savings from making homes more environmentally friendly</p> <p>U.2.iv Introduce a carbon neutral aligned procurement policy with workable models for its use and application during the procurement process and contract management</p>		
4	Housing and buildings	Improvements in energy efficiency of housing	The Council should annually identify and publish accessible information on how many properties are currently rated below C, including Council-owned and privately-owned, and provide timelines for future targets.	3rd	E.1.i Prioritise energy efficiency improvements and maximise funding for the worst-performing social housing properties - phase 1, feasibility studies	Part-covered within Climate Action Plan	The council has completed a feasibility study to conduct energy assessments into council housing stock, potential solutions and costings. This is being used to inform funding bids and priorities. Consideration will be given to how this information can be best made public.

4	Housing and buildings	Improvements in energy efficiency of housing	<ul style="list-style-type: none"> • Southwark Council should lead by example by retrofitting all its properties 	3rd	<p>D.1.iv Prioritise energy efficiency improvements and maximise funding for the worst-performing operational council buildings - phase 3 proposed & current works</p> <p>E.1.i Prioritise energy efficiency improvements and maximise funding for the worst-performing social housing properties - phase 1, feasibility studies</p> <p>E.1.iii Prioritise energy efficiency improvements and maximise funding for the worst-performing social housing properties - phase 3 proposed & current works</p>	Covered within Climate Action Plan.	<p>The council has a number of actions focused within the Climate Action Plan on retrofitting its properties. The actions for Housing are shown, with further actions for schools and operational buildings. Actions are split into feasibility studies, funding bids and delivery.</p>
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4	Housing and buildings	Improvements in energy efficiency of housing	<ul style="list-style-type: none"> • Southwark Council should repurpose unused funds to pay for retrofitting, and apply for additional funding opportunities 	3rd	<p>C.1.v Develop an advocacy campaign calling on national government to provide increased investment in green homes, including changes in taxation (e.g. VAT) to make retrofit more affordable</p> <p>D.1.iii Prioritise energy efficiency improvements and maximise funding for the worst-performing operational council buildings - phase 2, funding bids</p> <p>E.1.ii Prioritise energy efficiency improvements and maximise funding for the worst-performing social housing properties -</p>	Covered within Climate Action Plan.	<p>The council has launched the Green Buildings Fund alongside committing £25m to capital improvements related to council climate change projects (Climate Change Capital Fund). It should be noted the council does not have 'unused funds'. Council resources have been subject to central government cuts since 2010 and are also subject to inflationary pressures. Despite these challenges the council has budgeted for a permanent climate change team and have set aside the funding listed above.</p>
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					phase 2, funding bids		
4	Housing and buildings	Improvements in energy efficiency of housing	<ul style="list-style-type: none"> To increase retrofitting in Southwark there should be an education and advisory service to DIY retrofitters including residential and small businesses 	3rd	<p>B.1.i Highlight best practice and leading examples of decarbonised buildings</p> <p>O.1.i Provide guidance and support to residents and businesses on low carbon energy efficiency through creation of an Energy Savers Service</p>	Covered within Climate Action Plan.	An action is included within the Climate Action Plan to develop an education and advisory service in line with the jury's recommendation.
4	Housing and buildings	Improvements in energy efficiency of housing	<ul style="list-style-type: none"> Increase inspection and enforcement by council of energy efficiency standards 	3rd	B.2.iv Encourage private sector landlords to increase their EPCs to a B or C and enforce minimum energy efficiency standards in private rented	Covered within Climate Action Plan.	This work is underway, however more resource is required to roll out the programme in order to increase enforcement.

					sector properties with EPCs of F and below, or those that do not have an EPC		
4	Housing and buildings	Improvements in energy efficiency of housing	<ul style="list-style-type: none"> Measures to increase and improve retrofitting in non-residential buildings should also be taken 	3rd	D.1.ii Prioritise energy efficiency improvements and maximise funding for the worst-performing operational council buildings - phase 1, feasibility studies	Covered within Climate Action Plan.	Feasibility work has been completed, informing a number of upgrades across 22 council locations. This includes new air source heat pumps, LED lighting, solar PV installation and other energy efficiency improvements.
5	Housing and buildings	Improve local generation and use of green energy	a) Council-owned buildings should be fitted with air source heat pumps	7th	D.1.iv Prioritise energy efficiency improvements and maximise funding for the worst-performing operational council buildings - phase 3 proposed & current works	Covered within Climate Action Plan.	The council has delivered 6 heat pump schemes in operational buildings, with another 12 sites identified.

5	Housing and buildings	Improve local generation and use of green energy	b) Cladding on all buildings in Southwark should be immediately assessed, and where it must be updated, this should be done via new technologies that support energy conservation			Not included	A response to the council's upcoming building safety work is provided in the main body of the Cabinet report. This work will include energy assessments as detailed.
5	Housing and buildings	Improve local generation and use of green energy	c) Council should conduct and publish an audit of the below options for local green energy by 2024, and implement the most viable options by 2030 or before: <ul style="list-style-type: none"> • Centralised large-scale ground source heat pump for multi building usage (or other green heat sources) 	7th	E.2.i Carry out initial feasibility and commercialisation assessments with the end goal of increasing the number of homes on the SELCHP network E.2.ii Replace gas as a heating source on the Consort, Newington and Wyndham housing estates E.2.iii Complete feasibility studies (with input from residents) which	Covered within Climate Action Plan.	Heat pumps are on site in 3 housing estate locations - Consort, Newington & Wyndham. Between these three sites, heat will be supplied to 2,175 properties. Feasibility work is planned to commence in 2022 across the next 10 locations. Work is also underway in providing low carbon, affordable heat, via an expansion of the SELCHP heat network in South Bermondsey.

					will allow every estate in the borough to design plans to move away from gas as an energy source		
5	Housing and buildings	Improve local generation and use of green energy	<ul style="list-style-type: none"> • Power Purchase Agreement with renewable energy for Southwark 	7th	D.2.viii Ensure all council buildings are moved to 100% renewable energy tariffs	Not included at the current time	A Power Purchase Agreement has been considered for inclusion in the Climate Action Plan. However, the council's initial focus is on moving all its buildings to green tariffs, after which a PPA could be considered, subject to contractual agreement.
5	Housing and buildings	Improve local generation and use of green energy	<ul style="list-style-type: none"> • Consideration of schemes to lease rooftops for solar energy production 	7th	<p>P.1.i Prioritise solar panel installation and maximise project funding for social housing properties - phase 1, feasibility studies</p> <p>P.1.iv Prioritise solar panel installation and maximise project funding for operational council buildings - phase 1, feasibility studies</p>	Not included at the current time	<p>The council's current focus is on maximising solar installation on its own buildings, with feasibility work and installation underway. These actions need to be completed prior to any consideration of leasing space.</p>

5	Housing and buildings	Improve local generation and use of green energy	<ul style="list-style-type: none"> • All council-owned buildings should have solar panels 	7th	<p>P.1.i Prioritise solar panel installation and maximise project funding for social housing properties - phase 1, feasibility studies</p> <p>P.1.iv Prioritise solar panel installation and maximise project funding for operational council buildings - phase 1, feasibility studies</p>	Covered within Climate Action Plan.	<p>Solar PV Feasibility studies are being carried out for eight council housing blocks and meters have now been used to get an accurate picture of electricity and therefore viability. Rooftop PV was also installed at 8 operational buildings locations, with a further 2 sites pending approval in late 2022.</p>
6	Transport	<p>Significant reduction in cars We want to see a significant reduction in cars. People need freedom and flexibility to travel in a low carbon way, with fewer people therefore needing their own personal private car. Fewer cars</p>	<p>a) More car share schemes and car clubs with increased number of parking spaces for these vehicles</p>	17th		Other strategy - Movement Plan	<p>The number of car club vehicles operating in the borough is set by market demand, rather than the council. Approximately 140 car club vehicles are currently in operation from fixed parking bays. The council install bays as part of new controlled parking zone schemes. Also a flexible car club scheme across 13 boroughs, including Southwark, that allows one way trips. Approximately 75 vehicles in the borough at any one time.</p>

		will increase the success of walking, cycling and public transport.					
6	Transport	Significant reduction in cars	b) Electric vehicles are not a simple answer but remaining vehicles should be electric where possible	17th	G.1.i Deliver 1,000 more electric vehicle charging points by 2026, so there are more in every neighbourhood	Covered within Climate Action Plan.	The council has a target of 1000 new EV chargers by 2030, with funding committed in 2022 to the next batch of 200 for delivery by 2023.
6	Transport	Significant reduction in cars	c) Every road to have electric vehicle charging points with multiple chargers and fully accessible for disabled people. Charging points should not be located on the pavement	17th	G.1.ii Implement a borough-wide strategy for EV infrastructure by 2023, including stakeholder needs (e.g. taxis)	Covered within Climate Action Plan.	17 The council has an action to develop its first EV charging Strategy. This will include consideration of charger locations and accessibility as identified by the jury.
6	Transport	Significant reduction in cars	d) Measures to reduce and manage through traffic should be considered	17th	F.1.v Review the 10 Streetspace Low Traffic Neighbourhoods over the next 18 months including	Covered within Climate Action Plan.	A number of traffic reduction schemes have been completed as part of the council's Streetspace programme. Further measures will be considered as part of the review of the Movement Plan (2022)

					impact on carbon emissions		
6	Transport	Parking policies can and should be used as a tool to reduce private car ownership and usage. Specific policies to achieve this are sensitive and need careful local engagement, including car owners and non-car owners proportionately.	e) Parking permits	17th	Covered in points below	Covered in points below.	Covered in points below
6	Transport	Parking policies can and should be used as a tool to reduce private car ownership and usage.	f) Increase costs for multi-vehicle households e.g. second parking permit	17th	G.2.iv Revise parking charges to discourage the use of polluting cars	New action added to Climate Action Plan.	A new action has been added to the Climate Action Plan confirming plans for a review of parking policy that would look to address this point.

6	Transport	Parking policies can and should be used as a tool to reduce private car ownership and usage.	g) Controlled parking zones (CPZ)	17th	G.4.iii Implement borough-wide controlled parking zones (CPZ) coverage	Covered within Climate Action Plan.	Existing action within the Climate Action Plan to expand the number of CPZ's in the borough. A three year plan will be set out in 2022, with a target of 94% coverage of borough roads by 2025.
6	Transport	Parking policies can and should be used as a tool to reduce private car ownership and usage.	h) Workplace parking levies	17th		Not Included	The council is not currently exploring options for a workplace parking levy. This follows previous research that has not highlighted sufficiently large employers with enough parking to warrant investment in such a scheme. Other policies such as the congestion charge and ultra-low emissions zone address commuter driving in the central part of the borough, while expansion of controlled parking zones remains the priority for other areas.
6	Transport	Parking policies can and should be used as a tool to reduce private car ownership and usage.	i) Emissions based parking	17th	G.2.iii Explore the feasibility of emissions-based parking permits as part of review into permits on streets	Covered within Climate Action Plan.	Action complete - emissions based parking scheme already in place.
6	Transport	Parking policies can and should be used as a tool to reduce private car ownership and usage.	j) Low Traffic Neighbourhoods (LTNs) should only be implemented if extensive engagement with	17th	F.1.v Review the 10 Streetspace Low Traffic Neighbourhoods over the next 18 months including	Covered within Climate Action Plan.	A number of traffic reduction schemes have been completed as part of the council's Streetspace programme. Further measures will be considered as part of the review of the Movement Plan

			broader potentially impacted areas as well as the specific area is carried out thoroughly and shows support		impact on carbon emissions		(2022) and will be subject to engagement.
7	Transport	More people cycling We need to see more people cycling and less people driving. Cycling is a low carbon mode of transport.	a) Better and more cycle infrastructure - joined up cycle lanes, increased cycle traffic lights	6th	F.1.iii Increase cycle network coverage across the borough	Covered within Climate Action Plan.	The delivery of cycle infrastructure remains a priority within the council's Movement Plan. A target of an additional 7km of cycle network by 2025 has been added to the Climate Action Plan.
7	Transport	More people cycling	b) Bike security improvements - secure parking in residential and workplace areas. Cycle parking should be free.	6th	F.1.i Double the number of cycle hangars in the borough to meet a target of 1000 by 2026	Covered within Climate Action Plan.	A total of 500 cycle hangers due to be in place in 2022, in line with council plan targets. Existing programme of on street cycle parking installation in town centres, high streets - responds to requests from members of the public.
7	Transport	More people cycling	c) Targeted campaign to stop/reduce bike theft	6th		Other Strategy - Movement Plan. Not covered in Climate Action Plan, for future consideration.	Page available on council website highlighting secure cycle parking locations: https://www.southwark.gov.uk/transport-and-roads/sustainable-travel/cycling/cycle-parking-and-security No funding in place to deliver a campaign at the current time, to be considered in the future.

7	Transport	More people cycling	d) Free bike check-ups such as Dr. Bike and bike repair vouchers (focusing on marginalised communities)	6th		Other Strategy - Movement Plan. Not covered in Climate Action Plan, for future consideration.	The council has been delivering a programme of Dr. Bike maintenance sessions in schools. Expanding this programme to further schools and adults is subject to further funding.
7	Transport	More people cycling	e) Comprehensive measures should be taken to promote and support disabled cyclists as part of a holistic approach to support disabled people travelling around Southwark	6th	F.1.iv Provide free cycle training for residents, including for young people, those with disabilities and cargo bike training	Other Strategy - Movement Plan. New action added to Climate Action Plan.	Disabled cyclists were consulted when informing priorities within the Movement Plan (2019). Improving safety and sense of safety on the council's streets is a priority action within the Movement Plan. This work will be updated in 2022. A new action has been added to the Climate Action Plan to explore funding opportunities for an expanded programme of cycle training.
7	Transport	More people cycling	f) Review and implement the 2015 Southwark Cycling Strategy	6th	F.1.iii Increase cycle network coverage across the borough	Covered within Climate Action Plan.	2015 Cycling Strategy continues to be used by the Highways team in the council to inform priorities for new cycle schemes.
7	Transport	More people cycling	g) Education for cyclists and other road users to improve overall safety	6th		Other Strategy - Movement Plan.	The council runs a road safety education programme with school children, including practice bus journeys with children who have special educational needs. Should funding be identified this programme could be expanded.

7	Transport	We must encourage the next generation of cyclists - School age	h) Starting to teach children to cycle when they are young	6th	F.1.iv Provide free cycle training for residents, including for young people, those with disabilities and cargo bike training	New action added to Climate Action Plan.	The borough's cycle training programme has been impacted by recent TfL funding cuts. A new action has been added to the Climate Action Plan to explore funding opportunities for an expanded programme.
7	Transport	We must encourage the next generation of cyclists - School age	i) Enabling cycling to school e.g. by exploring examples of car free streets around schools implemented in other areas and investigating other methods to make this happen	6th	G.4.iv Introduce measures to ensure that more roads around schools are car-free at the start and end of the school day	New action added to Climate Action Plan.	A new action has been added to the Climate Action Plan confirming the expansion of the borough's school street programme, which looks to restrict vehicle movements outside of school at pick up and drop off time.
7	Transport	We must encourage the next generation of cyclists - New cyclists of any age – people who currently don't feel confident to cycle	j) Supporting more cycle mentors and awareness of them (e.g. Southwark Cycle Buddies) to help plan routes and offer encouragement and support to new, or less confident, cyclists	6th		Other Strategy - Movement Plan.	To be considered as part of the Movement Plan update in 2022.

7	Transport	We must encourage the next generation of cyclists	k) Providing help and education for bike choice and maintenance	6th		Other Strategy - Movement Plan.	To be considered as part of the Movement Plan update in 2022.
8	Transport	Make walking great again! Walking is a free, easy and zero carbon method of transport	a) Improve quality of pavements to ensure they are even, well maintained and uncluttered	1st	F.1.vi Improve access to walking in the borough and actively promote this as a zero-carbon method of transport	New action added to Climate Action Plan.	Highways Infrastructure Asset Management Plan - https://www.southwark.gov.uk/transport-and-roads/asset-management-and-streetscape-design/highway-infrastructure-asset-management-plan-hiamp This details the ongoing work to maintain footways in the borough.
8	Transport	Make walking great again! Walking is a free, easy and zero carbon method of transport	b) Improve air quality	1st		Other Strategy - Air Quality Action Plan.	The council has an existing Air Quality Action Plan. This document is directly linked to the Climate Action Plan, with many actions listed both reducing carbon emissions and reducing particulate matter, nitrous oxide and other pollutants.
8	Transport	Make walking great again! Walking is a free, easy and zero carbon method of transport	c) More walking maps/directions - with timings and points of interest so people can see where walking might be quicker/easier/more pleasant than	1st	F.1.vi Improve access to walking in the borough and actively promote this as a zero-carbon method of transport	New action added to Climate Action Plan.	A new action has been added to the Climate Action Plan to focus on walking

			driving or using a bus.				
8	Transport	Make walking great again! Walking is a free, easy and zero carbon method of transport	d) More easy pedestrian routes (as above) and car free pedestrian zones, especially in busier locations e.g. Borough Market.	1st	F.1.vi Improve access to walking in the borough and actively promote this as a zero-carbon method of transport	New action added to Climate Action Plan.	A new action has been added to the Climate Action Plan to focus on walking
8	Transport	Make walking great again! Walking is a free, easy and zero carbon method of transport	e) Encourage and enable more children to walk to school	1st	F.1.vi Improve access to walking in the borough and actively promote this as a zero-carbon method of transport G.4.iv Introduce measures to ensure that more roads around schools are car-free at the start and end of the school day	New action added to Climate Action Plan.	<p style="text-align: right;">24</p> The council encourages and supports schools to adopt a School Travel Plan. This promotes walking and cycling through an accreditation scheme and monitors journeys to school. Data from 2019 (pre covid pandemic) showed 44% of surveyed school children walk to school. New actions have been added to further promote these points.

9	Transport	Affordable, accessible and appealing public transport Affordable, accessible and appealing public transport should be the backbone of a low carbon Southwark	a) Increased number of electric buses	2nd	H.1.iv Use our position as a council and through regional bodies that Southwark sits on to lobby the Mayor of London to decarbonise bus and rail networks	Covered within Climate Action Plan	An action within the Climate Action Plan creates a lobbying priority for further decarbonisation of buses.
9	Transport	Affordable, accessible and appealing public transport	b) Subsidies/free transport should be focused on those who need it most	2nd		Not included	The council does not have control over the cost of public transport.
9	Transport	Affordable, accessible and appealing public transport	c) Wifi and phone charging on all buses and trains	2nd	H.1.i Collaborate and lobby transport operators including Transport for London to make bus journeys quicker, more reliable and zero emission	Part-covered within Climate Action Plan	Initial focus is on retaining frequency of existing services due to funding constraints. Following this, opportunities explored to improve the services on offer.

9	Transport	Affordable, accessible and appealing public transport	d) Positive messages to increase the uptake of public transport	2nd		Not included	Will be a future consideration within the Communications and Engagement Strategy.
9	Transport	Affordable, accessible and appealing public transport	e) Increase speed of buses by further development of bus lane use and bus gates to give buses more priority on roads	2nd	H.1.i Collaborate and lobby transport operators including Transport for London to make bus journeys quicker, more reliable and zero emission	Part-covered within Climate Action Plan	Initial focus is on retaining frequency of existing services due to funding constraints. Following this, opportunities explored to improve the services on offer.
9	Transport	Affordable, accessible and appealing public transport	f) Increase the frequency of night buses	2nd	H.1.i Collaborate and lobby transport operators including Transport for London to make bus journeys quicker, more reliable and zero emission	Part-covered within Climate Action Plan	Initial focus is on retaining frequency of existing services due to funding constraints. Following this, opportunities explored to improve the services on offer.

9	Transport	Affordable, accessible and appealing public transport	g) Create greener and more appealing bus stops e.g. green roofs, solar panels	2nd	H.1.i Collaborate and lobby transport operators including Transport for London to make bus journeys quicker, more reliable and zero emission	Part-covered within Climate Action Plan	Initial focus is on retaining frequency of existing services due to funding constraints. Following this, opportunities explored to improve the services on offer.
9	Transport	Affordable, accessible and appealing public transport	h) Consideration of personal safety which is a barrier to wider use of public transport particularly for women at night e.g. better lighting at bus stops	2nd		Other Strategy - Movement Plan.	The council fully supports this recommendation and will work with TfL whenever possible to improve safety of public transport. A specific action will be developed subject to the funding situation changing as noted in the Cabinet paper.
9	Transport	Affordable, accessible and appealing public transport	i) Improving public transport access parts of the borough which have low Public Transport Accessibility Levels (PTAL) and large numbers of residents e.g. Aylesbury Estate,	2nd		Other Strategy - Movement Plan.	This will be considered in line with the response in the Cabinet paper. A potential new action if/when the funding situation improves.

			North Peckham and Bermondsey				
10	Transport	<p>Haulage and Freight</p> <p>Southwark Council should introduce cargo bike infrastructure to encourage, facilitate and expand cargo bike deliveries across the Borough. The Council should lead by example by maximizing the use of cargo bikes within its own fleet and any third-party contractors which it has control or influence over.</p>	<p>Targets for 2023 could include</p> <p>a) highlighting examples of good practice and responsible cargo bike use in public campaign, including the savings for businesses</p>	16th	<p>S.3.ii Support businesses to switch to zero pollution delivery vehicles, working with them to shift more local deliveries to electric cargo bikes</p>	<p>Covered within Climate Action Plan</p>	<p>Existing Bikes for Business model to be expanded to other areas of the borough, promoting the use of cargo bikes. Subject to securing funding.</p>

10	Transport	Haulage and Freight	b) provide grants to small businesses to buy cargo bikes for own deliveries	16th	S.3.ii Support businesses to switch to zero pollution delivery vehicles, working with them to shift more local deliveries to electric cargo bikes	Covered within Climate Action Plan	Existing Bikes for Business model to be expanded to other areas of the borough, promoting the use of cargo bikes. Subject to securing funding.
10	Transport	Haulage and Freight	c) invest in secure bike storage suitable for cargo bikes	16th		Other strategy	Cycle design guidance includes standards on ensuring cycle parking accommodates cargo bikes. To be considered as part of cycle parking programme.
10	Transport	Haulage and Freight	d) support training for cargo bike riders	16th	F.1.iv Provide free cycle training for residents, including for young people, those with disabilities and cargo bike training	New action added to Climate Action Plan.	The borough's cycle training programme has been impacted by recent TfL funding cuts. A new action has been added to the Climate Action Plan to explore funding opportunities for an expanded programme that would include cargo bike training.
10	Transport	Haulage and Freight	Additionally, the council should develop and deliver a Sustainable Freight and Last Mile Delivery Hubs	16th	S.3.i Develop and deliver a Sustainable Freight and Last Mile Delivery Hubs Plan by	New action added to Climate Action Plan	New action has been added, replacing a previous action on more general coordination.

			Plan by 2026 that prioritises areas of greatest need and potential (e.g. regeneration areas and town centres).		2026 that prioritises areas of greatest need and potential		
11	Business	Big businesses	Nationally, high emitting big businesses that are not acting to reduce their emissions, (and those that support them e.g. banks) should: a) Be heavily taxed to reduce their emissions – regulation should be put in place to enable this to happen	17th		Not included - to be considered	Initial focus on lobbying is to be centred on buildings and transport. The council will consider business lobbying via the Southwark Anchor Institutions' Network, a group of large employers in the borough.
11	Business	Big businesses	b) Have to report their emissions in the annual report. This must be mandatory - this will help us all to decide which companies we support	17th	U.2.i Establish standards of effective carbon reduction, measurement and management within contracts	Covered within Climate Action Plan.	Reporting of emissions in the council's supply chain will be a key consideration of future changes to procurement policy.

12	Business	<p>Small and micro businesses The 16,000 medium, small and micro businesses in Southwark must be pushed to reduce their emissions and encourage nature in whatever way possible.</p> <p>All business grants (and repeat grants) from the council should only be awarded to business who pass an explicit climate criteria. The council could take inspiration from the work that Oldham Council has done with business. We need to support our small and micro businesses to make choices</p>	<p>The council should support these businesses by: a) Offering subsidies</p>	17th	<p>M.1.i Promote financial support that is available for residents and organisation of Southwark that will assist in the installation of renewable technology T.3.i Support SME decarbonisation through council business support and workspace programmes</p>	Part-covered in Climate Action Plan.	<p>Subsidies are being offered to businesses to improve the energy efficiency of their premises, in the form of rent breaks to allow funding of improvements. The council will also be updating its website to ensure any available subsidies are promoted to businesses in the borough.</p>
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		that recognise the emergency we face in such a way that the businesses can thrive and are not forced to close down leading to unemployment and hardship					
12	Business	Small and micro businesses	b) Offering discounts on business rates if the businesses are low emitters	17th		Not included	The Government is launching a scheme for business rate reduction around renewable energy generation and connection to low carbon heat networks. Any further local reductions would need careful consideration from a cost perspective and require detailed consultation.
12	Business	Small and micro businesses	c) Offer small businesses free audits of their emissions – more customers may be attracted to businesses who are backing efforts to reduce their emissions	17th	T.2.iii Support innovation in green business sectors through council business support and workspace programmes	Covered in the Climate Action Plan	The Southwark Pioneers Fund aims to support smaller businesses to reduce their climate impacts. Support could include carbon audits, advice and support, including grants. This strand of the fund will launch later in 2022.

13	Business	<p>Pension funds Relevant big employers e.g. the council, hospitals, retail, Veolia etc. should invest their pension funds in renewable energy / green projects / funds, not in fossil fuels. It must be clear where pension funds are invested so employees can make informed decisions.</p>	20th	U.3.i Make the council's pension fund zero carbon by 2030 at the latest and earlier if more zero carbon funds become available sooner	New Action added to the Climate Action Plan.	A full response is provided in the main Cabinet report.
14	Other	<p>Transparency, accountability and progress monitoring</p> <p>The Climate Emergency needs to be a significant consideration in all council decisions to create net climate benefit.</p> <p>We want more transparency and accountability on council activities. Clear goals on carbon reduction, climate mitigation and adaptation in relation to the climate emergency need to be communicated to Southwark residents, including the process of achieving them on a real time digital dashboard that makes council progress towards climate related goals transparent.</p> <p>The Council should implement a clear emissions pathway for each year to 2030, with costs and estimated decarbonisation impact of each action</p>	3rd		Part-covered in the Climate Action Plan.	<p>A full response is provided in the main Cabinet report.</p> <p style="text-align: right;">33</p>

		<p>outlined; SMART targets on every action in the Climate Plan, and a review of council policies by department to integrate Southwark's climate commitments.</p> <p>Climate Juries to be called no more than three years apart to measure progress, sooner if required, to make further recommendations and hold council to account.</p>				
15	Other	<p>Staffing and funding / resourcing the work</p> <p>Southwark should maintain specific dedicated staff members who are responsible for bringing in available funding and overseeing that funds are used in a timely and efficient manner. Where funds or powers aren't available Southwark Council need to lobby central government to give local council more funding and decision-making power in environmental matters.</p> <p>Southwark should work with the 308 other councils and authorities who have declared a climate emergency to lobby central government as a unified block to take the steps necessary to address the climate crisis and appoint specific staff members to lead on this whilst</p>	13th	<p>H.1.iv Use our position as a council and through regional bodies that Southwark sits on to lobby the Mayor of London to decarbonise bus and rail networks</p> <p>L.2.ii Work with the Mayor of London to lobby government on the transition to a zero-carbon national grid</p>	Covered within Climate Action Plan.	<p>A full response is provided in the main Cabinet report.</p> <p style="text-align: right;">34</p>

		integrating this into all other relevant roles.					
16	Other	Trees	Southwark should work with residents to increase canopy cover in the borough to achieve at least 35% cover within a specified timeframe and use this opportunity to engage residents in local community projects that enhance and upgrade green spaces across Southwark.	7th	<p>V.1.i Develop Urban Greening Factors for our neighbourhoods through the Early Review of the Southwark Plan</p> <p>W.1.i Make Southwark the first inner London council to have over 100,000 trees and endeavour to increase tree canopy to cover 24% of public land</p> <p>W.1.ii Work with local people and schools to find locations for and plant 20,000 trees</p>	Covered within Climate Action Plan.	<p>An action has been added to plant another 20,000 trees and to increase canopy cover to a target of 24%, which the council will try to exceed if feasible.</p>

16	Other	Trees	Mature trees should be protected, and only considered for removal when damaged or ill. Soil quality across the Borough should be increased by effective use of composting and ending use of dangerous chemicals.	7th	V.1.iv Review the current approach to the use of pesticides in the public realm to better protect residents, wildlife and promote biodiversity	Covered within Climate Action Plan and the council's Tree Management Policy (2020).	The council is proactively reducing pesticide use, the Climate Action Plan includes an action to reduce pesticide use year on year and the introduction of a new Pesticide Policy.
17	Other	Green/natural spaces	The council should use planning policy and other measures to encourage better use of brown sites, protect existing green spaces and enhance and expand green spaces, by, for example, converting parking spaces into mini parks and rewilding brownfield and other relevant sites.	5th	V.1.i Develop Urban Greening Factors for our neighbourhoods through the Early Review of the Southwark Plan Y.1.ii Impose more ambitious requirements in planning policy for the protection of existing green space	Covered within Climate Action Plan, Southwark Plan (2022) and Southwark Nature Action Plan (2022).	The Southwark Plan (2022) includes a number of policies that protect and enhance green space; Protection of Amenity (P56), Open Space (P57). These support the Southwark Nature Action Plan, alongside the key actions in the Climate Action Plan.

17	Other	Green/natural spaces	Flooding should be mitigated by using porous materials for pavement surfaces, driveways, and construction. Southwark should also implement a borough wide water conservation and management policy	5th	Y.1.iv Develop a climate change adaptation strategy	Covered within upcoming Adaptation Strategy, and existing Surface Water Management Plan (2022).	Developing a climate change adaptation strategy will be undertaken in late 2022 and has been added as a new action to the Climate Action Plan.
18	Other	Recycling The council should aim to achieve 100% recycling of recyclables as soon as possible	a) providing borough-wide standardised processes, sufficient recycling bins and staffed cleaning routes	7th	Q.1.ii Support for residents on removing barriers to improving recycling in areas with low rates U.1.ii Work with the council's waste management contractor to trial route optimisation	Part-covered in the Climate Action Plan.	The council recognises the need to do ³⁷ more work to support residents in improving recycling rates, to maximise the use of existing facilities. Collection routes have been reviewed to ensure cost efficiency.
18	Other	Recycling The council should aim to achieve 100% recycling of recyclables as soon as possible	b) provide all buildings with access to composting	7th		Not Included	This is not achievable, as set out in the Cabinet Report. Update on organic waste has also been provided for completeness.

18	Other	Recycling The council should aim to achieve 100% recycling of recyclables as soon as possible	c) commit to sending zero waste to landfill or incineration	7th	Q.1.iv Reduce amount of waste sent to landfill	Not Included	This is not in line with the council's current policy on SELCHP, as set out in the Cabinet Report.
18	Other	Recycling The council should aim to achieve 100% recycling of recyclables as soon as possible	The council should engage businesses and communities to reduce Southwark's use of plastics and other unsustainable materials	7th	S.2.i Utilise existing business networks to promote consolidation of waste collection and recycling U.1.i Ban single use plastics in council buildings	Covered within Climate Action Plan.	The council has an action to ban single use plastic in its own buildings, and will look to progress work on waste reduction through a new business network.
19	Other	Education and communication Council and others to give thorough education on global and local climate change prevention and adaptation to schools, businesses, council members and beyond. This should include a Borough wide	a) In – person events	15th		Other strategy - Climate Change Communications & Engagement Strategy	Where possible and appropriate the council will be holding in-person events, through our existing forums or through our climate change conference.

		communications programme including active marketing and info sharing with residents, visitors, business etc. Social media and other supportive tech can be used to get information to people about climate change and potential actions. Members of this jury could be supported to assist alongside other community members					
19	Other	Education and communication	b) Sharing schemes available to residents and visitors alongside information about other actions they can / should take	15th	Q.1.i Partner with and invest in community groups to develop sharing / circular economy R.1.i Deliver public campaigns to encourage people to adopt a more climate-friendly diet	Covered in Climate Action Plan.	There is an action within the Climate Action Plan to launch the council's first Library of Things to support the promotion of circular economy principles. There are also two actions which cover campaigns that will be set up to inform residents about actions they can take to help prevent climate change.

					R.2.ii Organise a food waste campaign using community growing projects, education in schools and working with caterers, retail and hospitality		
19	Other	Education and communication	c) Educating businesses	15th	S.2.i Utilise existing business networks to promote consolidation of waste collection and recycling	Covered in Climate Action Plan.	There is an action within the Climate Action Plan to utilise existing business networks to better promote actions in reducing emissions. The initial focus will be on waste and recycling.
19	Other	Education and communication	d) Climate Change first-aiders	15th		Other strategy - Climate Change Communications & Engagement Strategy	As detailed in the Cabinet report, the council will explore the role of climate change champions in the local community.
19	Other	Education and communication	e) Climate Month Festival that allows for fun and thorough education and reaches everyone, not just those already	15th		Not included	Not taking forward due to resource constraints. Focussing on annual Climate Conference and sustainability awards. The council will also promote non-council events via the website, newsletters and other media channels.

			engaged in climate activism				
19	Other	Education and communication	f) Commitment to embedding climate related communications and information in a variety of council activities and communications so that all people in the borough can be reached	15th		Other strategy - Climate Change Communications & Engagement Strategy	This work is ongoing, Climate Change remains a priority for the council and will be communicated as such. See Cabinet report for summary of upcoming communications approach. 41
19	Other	Education and communication	g) All people appointed by the council to take care of Southwark must be well-versed in the effects of climate change on people and nature in Southwark	15th	U.4.i All people appointed by the council to take care of Southwark must be well-versed in the effects of climate change on people and nature in Southwark	New Action added to Climate Action Plan	A new action has been added to the Climate Action Plan. Training for councillors has taken place, with the next step to consider options for staff.

20	Other	<p>Incentivizing and enabling fixing and repairs (circular economy) Southwark Council should lead and set up initiatives that incentivise businesses to operate in a more circular way, reducing consumption, and promoting fixing and mending – leading the charge on helping residents use their ‘right to repair’. The Council should open fixing centres and repair cafes to reduce waste and incentivise businesses that reduce waste.</p>		11th	Q.1.i Partner with and invest in community groups to develop sharing / circular economy	Covered in Climate Action Plan.	<p>The council's first Library of Things is being progressed, as detailed in the Cabinet report.</p>
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Theme	Goal	Code	Action	Phase of Action	Director	Team leading action	Work Completed to Date	Upcoming Milestone(s)	Key Performance Indicator of Milestone	Milestone Timeline	Major Risks to Milestone	Estimated Cost of Milestone	Funding in Place for Milestone	Type of Carbon Saving
Broad area of activity (key at bottom of page)	More specific area of activity	Action code	Most granular level of activity	The phase the action is in: R&D / Engagement / Implementation / Completed / Closed	Director accountable for action	The team leading on this action	The work that has been completed to date on this action	The key milestone(s) that are approaching for this action	How progress will be measured against the upcoming milestone(s)	When will the milestone(s) be complete	The major risk(s) to the milestone(s) being completed	The cost of completing the upcoming milestone Low - Under £100k Medium: £100k - £1m High: £1m - £10m Very High: Over £10m	The status of funding for this milestone	How carbon will be saved by an action Enabling: those actions that lead to an indirect carbon saving Direct: those actions that lead to a direct carbon saving
A. Introduce stronger planning rules to make sure all new developments meet high green standards, in both construction and use	1. Policy is used to improve energy efficiency standards in existing buildings	A.1. i	Define options for energy performance standards, Energy Use Intensity targets and policy response to update to Building Regulations 2022.	Research & Design	Stephen Platts	Planning Policy	Preparation and adoption of Southwark Plan Policy P70 (Energy)	Conduct the early review of the Southwark Plan energy policies in relation to energy performance standards	Complete the early review of the Southwark Plan energy policies and ensure they align with the net carbon zero target by 2030	TBC 2024	Resource Timeline	Low	Yes	Enabling
A. Introduce stronger planning rules to make sure all new developments meet high green standards, in both construction and use	1. Policy is used to improve energy efficiency standards in existing buildings	A.1. ii	Review planning policy to support the retrofitting of heritage buildings to reduce carbon emissions	Research & Design	Stephen Platts	Planning Policy	Adopted Heritage Supplementary Planning Document (SPD) with guidance on retrofitting. Very early scoping work for Climate SPD has been completed.	Update website with guidance for residents and applicants prior to submitting planning applications and provide guidance to council officers Draft Climate Change SPD to be adopted	Climate Change SPD to go to consultation and then adoption	2023	Resource Timeline	Low	Yes	Enabling

<p>A. Introduce stronger planning rules to make sure all new developments meet high green standards, in both construction and use</p>	<p>1. Policy is used to improve energy efficiency standards in existing buildings</p>	<p>A.1. iii</p>	<p>Embed building technologies such as green roofs, facades and cool roofs to reduce carbon emissions and improve biodiversity and local air quality</p>	<p>Research & Design</p>	<p>Stephen Platts</p>	<p>Planning Policy</p>	<p>Preparation and adoption of Southwark Plan Policy P59 (Green Infrastructure), P50 (Biodiversity) and P65 (Improving Air Quality). Early scoping work of early review of Southwark Plan underway.</p>	<p>Conduct the early review of the Southwark Plan in the context of climate change mitigation and adaptation through environmental policy such as green infrastructure, biodiversity and air quality</p>	<p>Complete the early review of the Southwark Plan in the context of climate change adaptation, biodiversity and air quality</p>	<p>TBC 2024</p>	<p>Resource Timeline</p>	<p>Low</p>	<p>Yes</p>	<p>Enabling</p>
<p>A. Introduce stronger planning rules to make sure all new developments meet high green standards, in both construction and use</p>	<p>2. Introduce new stronger planning rules to make sure all new developments meet high green standards</p>	<p>A.2. i</p>	<p>Assess options in the early review of the Southwark Plan for encouraging the use of recycled materials in new development as a means of reducing the embodied carbon of new builds</p>	<p>Research & Design</p>	<p>Stephen Platts</p>	<p>Planning Policy</p>	<p>Preparation and adoption of Southwark Plan Policy P61 (Reducing Waste). Scoping work of early review is underway.</p>	<p>Conduct the early review of Southwark Plan reducing waste policy (P61) in relation to recycled materials to reduce embodied carbon in new build development</p>	<p>Climate Change Supplementary Planning Document to be adopted</p>	<p>2023</p>	<p>Resource Timeline</p>	<p>Low</p>	<p>Yes</p>	<p>Enabling</p>
<p>A. Introduce stronger planning rules to make sure all new developments meet high green standards, in both construction and use</p>	<p>2. Introduce new stronger planning rules to make sure all new developments meet high green standards</p>	<p>A.2. ii</p>	<p>Ensure compliance with planning policies for improved energy efficiency in all new build properties by creating standardised measuring frameworks</p>	<p>Research & Design</p>	<p>Stephen Platts</p>	<p>Development Management / Planning Policy</p>	<p>GLA guidance on preparing energy statements has been monitored and the validation checklist is up to date</p>	<p>Assess measuring frameworks and when they can be used for new developments Explore how these frameworks can be used to close the performance gap between consented, constructed and in use schemes in the Southwark Plan Early Review</p>	<p>Consultation on any new / amended policy through Early Review of New Southwark Plan</p>	<p>Consultation by 2023</p>	<p>Technical (change in legislation) Resource Timeline</p>	<p>Low</p>	<p>Yes</p>	<p>Enabling</p>

<p>A. Introduce stronger planning rules to make sure all new developments meet high green standards, in both construction and use</p>	<p>2. Introduce new stronger planning rules to make sure all new developments meet high green standards</p>	<p>A.2. iii</p>	<p>Approve the Carbon Offset Fund (now called the Green Buildings Fund) within Southwark in Autumn 2021, including governance structure and approach to prioritising spend</p>	<p>Complete</p>	<p>Chris Page</p>	<p>Climate Change</p>	<p>The Carbon Offset Fund has been approved and launched as the "Green Buildings Fund" inside Southwark Council. The Green Buildings Fund is now accepting applicants for capital projects that meet the criteria for selection.</p> <p>Action is now complete.</p>	<p>Action is now complete</p>						<p>Enabling</p>
<p>B. Buildings minimise their carbon emissions and maximise their energy efficiency</p>	<p>1. Guidance and support are made available to improve energy efficiency across the borough</p>	<p>B.1. i</p>	<p>Highlight best practice and leading examples of decarbonised buildings</p>	<p>Engagement</p>	<p>Stephen Platts</p>	<p>Planning Policy</p>	<p>Ongoing engagement with developers in Southwark, including through regeneration partnerships. Held an event and on-going conversations with Old Kent Road developers to introduce them to district heating, keep them up-to-date and ensure they are aware of the opportunities of district heating when designing a scheme.</p>	<p>A yearly review will be conducted to identify best practices and leading examples of decarbonised buildings which we can publish online</p>	<p>Yearly review for content</p>	<p>Ongoing</p>	<p>Resource</p>	<p>Low</p>	<p>Yes</p>	<p>Enabling</p>
<p>B. Buildings minimise their carbon emissions and maximise their energy efficiency</p>	<p>1. Guidance and support are made available to improve energy efficiency across the borough</p>	<p>B.1. ii</p>	<p>Launch a Southwark Green Finance initiative</p>	<p>Not Started</p>	<p>Chris Page</p>	<p>Climate Change</p>	<p>New action, no work to date</p>	<p>Complete a scoping document to identify the objectives of Southwark Green Finance initiative and what initial steps need to be taken for project initiation</p>	<p>Scoping document complete and next steps identified</p>	<p>2023</p>	<p>Funding</p>	<p>High</p>	<p>No</p>	<p>Enabling</p>

<p>B. Buildings minimise their carbon emissions and maximise their energy efficiency</p>	<p>1. Guidance and support are made available to improve energy efficiency across the borough</p>	<p>B.1.v</p>	<p>Establish a free green homes advice service for homeowners to help make homes greener and lower carbon emissions</p>	<p>Implementation</p>	<p>Chris Page</p>	<p>Climate Change</p>	<p>Identified and contacted over 500 homes to inform residents they can access free funding to retrofit their home through the Southwark Council Healthy Homes Scheme and Warmer Homes Scheme</p>	<p>Scope the key activities of the Green Homes Advice Service</p>	<p>Scoping document for Green Homes Advice Service created</p>	<p>2023</p>	<p>Funding</p>	<p>Medium</p>	<p>No</p>	<p>Enabling</p>
<p>B. Buildings minimise their carbon emissions and maximise their energy efficiency</p>	<p>2. Residents and businesses improve the energy efficiency of existing buildings</p>	<p>B.2.i</p>	<p>Through the Green Buildings Fund, allocate £2 million for internal capital projects that meet the eligibility criteria by 2024</p>	<p>Engagement</p>	<p>Chris Page</p>	<p>Climate Change</p>	<p>Administration process of the fund has been completed, the Green Buildings Fund is now accepting applicants for capital projects that meet its criteria around carbon savings and seeking to disperse funds</p>	<p>Begin to allocate and disperse funds for projects Open the fund to external applicants</p>	<p>Allocate £2 million in funding for Southwark Council capital projects that meet the criteria of the Green Buildings Fund by 2024</p>	<p>2024</p>	<p>Timeline (difficulty identifying projects that meet funding criteria)</p>	<p>High (£2m)</p>	<p>Yes</p>	<p>Direct</p>
<p>B. Buildings minimise their carbon emissions and maximise their energy efficiency</p>	<p>2. Residents and businesses improve the energy efficiency of existing buildings</p>	<p>B.2.iv</p>	<p>Encourage private sector landlords to increase their EPCs to a B or C and enforce minimum energy efficiency standards in private rented sector properties with EPCs of F and below, or those that do not have an EPC</p>	<p>Implementation</p>	<p>Matt Clubb</p>	<p>Regulatory Services - Housing Enforcement Team</p>	<p>Introduction of the Gold Standard Charter scheme which encourages landlords to raise their EPCs to a B or C Enforcing minimum energy efficiency standards through the introduction of new licensing requirements which highlight the requirement for private rented sector properties to have an EPC of E or above</p>	<p>Further roll out of selective licensing scheme to a total of 19 wards. The application is planned for early 2023 subject to approval from Secretary of State (Department for Levelling up, Housing and Communities)</p>	<p>KPI targets will shortly be set for the following milestones: Number of landlords signed up to the gold standard charter Number of landlords confirmed compliant with minimum energy efficiency standards via licensing Number of successful enforcement actions taken where non-compliant</p>	<p>2023</p>	<p>Technical (landlords not signing up to the Gold Standard Charter) Resource (difficulties hiring qualified staff)</p>	<p>Low</p>	<p>Yes</p>	<p>Direct</p>

<p>C. Low-carbon technologies and practices are encouraged within the borough's buildings</p>	<p>1. Maximise the use of low-carbon technologies for new and existing homes</p>	<p>C.1. iii</p>	<p>Set policy and share best practice on installing non-gas heating systems in new non-domestic development that is not connected to SELCHP</p>	<p>Not Started</p>	<p>Stephen Platts</p>	<p>Development Management & Planning Policy</p>	<p>New action, no work to date</p>	<p>Ensure the Old Kent Road Area Action Plan supports knowledge building for developers, and identify what guidance is in scope for a possible Climate Change and Environment Supplementary Planning Document (SPD)</p> <p>Update content on planning website to signpost relevant information</p>	<p>Relevant content to be included in Climate Change and Environment Supplementary Planning Document and Old Kent Road Area Action Plan</p> <p>Website updated</p>	<p>Climate Change SPD adoption 2023</p> <p>Old Kent Road Area Action Plan adoption 2024</p> <p>Website updated 2022</p>	<p>Resource</p> <p>Timeline</p>	<p>Low</p>	<p>Partially (with additional resource from Old Kent Road team)</p>	<p>Enabling</p>
<p>C. Low-carbon technologies and practices are encouraged within the borough's buildings</p>	<p>1. Maximise the use of low-carbon technologies for new and existing homes</p>	<p>C.1. v</p>	<p>Develop an advocacy campaign calling on national government to provide increased investment in green homes, including changes in taxation (e.g. VAT) to make retrofit more affordable</p>	<p>Not Started</p>	<p>Chris Page</p>	<p>Climate Change</p>	<p>No work to date</p>	<p>Climate Change and Policy Team to research and develop an active advocacy campaign around Green Homes Investment Funds, which will be online before the end of 2023.</p>	<p>Launch of advocacy campaign</p>	<p>2023</p>	<p>Resource</p>	<p>Low</p>	<p>Yes</p>	<p>Enabling</p>
<p>D. Decarbonise operational council buildings</p>	<p>1. Reduce energy demand and cut energy waste in operational council buildings</p>	<p>D.1. i</p>	<p>Carry out energy audits on the largest energy consuming properties in the council's operational portfolio to tailor support and improvements</p>	<p>Complete</p>	<p>David Hodgson</p>	<p>Corporate Facilities Management & Asset Management Teams</p>	<p>A review of all Display Energy Certificate (DEC) ratings for the key operational buildings has been carried out. This audit has been used to inform the targeted carbon reduction works carried out as part of the Public Sector Decarbonisation Scheme delivery</p>	<p>Action is now complete</p>						<p>Enabling</p>

							and DEC improvement plans in place for all key operational buildings. Action is now complete.							
D. Decarbonise operational council buildings	1. Reduce energy demand and cut energy waste in operational council buildings	D.1. ii	Prioritise energy efficiency improvements and maximise funding for the worst-performing operational council buildings - phase 1, feasibility studies	Research & Design	David Hodgson	Corporate Facilities Management	Initial work on feasibility assessments for projects totalling approximately £8.7m have begun	Completion of feasibility studies	Feasibility study complete	2022	No major risks identified	Low	Yes	Enabling
D. Decarbonise operational council buildings	1. Reduce energy demand and cut energy waste in operational council buildings	D.1. iii	Prioritise energy efficiency improvements and maximise funding for the worst-performing operational council buildings - phase 2, funding bids	Implementation	David Hodgson	Corporate Facilities Management	Applied for around £4.8m funding from the councils Climate Capital Fund to retrofit 5 library sites and 3 children's centres	Funding to be confirmed and project started	Funding confirmed	2022	Funding (not confirmed)	Low	Yes	Enabling
D. Decarbonise operational council buildings	1. Reduce energy demand and cut energy waste in operational council buildings	D.1. iv	Prioritise energy efficiency improvements and maximise funding for the worst-performing operational council buildings - phase 3 proposed & current works	Implementation	David Hodgson	Corporate Facilities Management	Retrofit work totalling approximately £5m has been completed. This has delivered: > six sites with air source heat pumps > four sites have had LEDs installed > nine sites have been fitted with solar PV > three sites have received glazing improvements > one site has had insulation upgraded	Depending on the outcome of feasibility assessments, projects totalling approximately £8.7m are predicted to be delivered over 2022-24 across 22 sites. This is expected to deliver: > twelve air source heat pump schemes > fifteen LED installation schemes > six Solar	Feasibility studies complete and projects started	2024	Project management and delivery resources	High (work programme valued at approximately £8.7m)	Partially	Direct

								PV schemes > additional fabric improvement works (which includes two schools)						
D. Decarbonise operational council buildings	1. Reduce energy demand and cut energy waste in operational council buildings	D.1.v	Prioritise energy efficiency improvements and maximise funding for the worst-performing council owned schools - phase 1, feasibility studies	Research & Design	Stephen Platts	Sustainable Growth	£25k funding secured for feasibility studies	£25k to be spent on gaining Display Energy Certificates to Council Schools, this will inform which schools need retrofitting	Display Energy Certificates obtained	2022	Funding (not confirmed)	Low (£25k)	No (outcome of bid to be confirmed)	Enabling
D. Decarbonise operational council buildings	1. Reduce energy demand and cut energy waste in operational council buildings	D.1.vi	Prioritise energy efficiency improvements and maximise funding for the worst-performing council owned schools - phase 2, funding bids	Implementation	Stephen Platts	Sustainable Growth	Secured £1.1m in funding to install heat pumps and improve insulation at Crampton and Brunswick schools which will act as a pilot for other schools Funding bid completed for £25k for collection of outstanding Display Energy Certificates to Council Schools	No further work planned at this time						Enabling
D. Decarbonise operational council buildings	1. Reduce energy demand and cut energy waste in operational council buildings	D.1.vii	Prioritise energy efficiency improvements and maximise funding for the worst-performing council owned schools - phase 3 proposed & current works	Engagement	Stephen Platts	Sustainable Growth	Successful funding bid for a project to install air source heat pumps and improve building fabric to reduce heat loss at Brunswick Park Primary School Sports hall and Crampton Primary Schools	Internal council approval for procurement strategy for works and services needs to be gained	Project approval granted	2022	Timelines	High (£1.1m)	Yes	Direct

D. Decarbonise operational council buildings	2. Low-carbon technologies and practices in operational council buildings	D.2. 1	Install clearer, safer, greener LED street and estate lighting across the whole borough	Implementation	Matt Clubb	Traded Services	As of March 2022 approximately 6000 luminaires have been replaced with LED luminaires	Completion of current capital LED programme	11,000 luminaires replaced with LEDs	2026	Technical (delays due to global material shortages)	High (£2.18m)	Yes	Direct
D. Decarbonise operational council buildings	2. Low-carbon technologies and practices in operational council buildings	D.2. viii	Ensure all council buildings are moved to 100% renewable energy tariffs	Implementation	Chris Page	Climate Change	All electricity supply for council operational buildings is now from green tariffs	Move all operational building gas across to green tariffs and move non-operational buildings to green electricity tariffs. This means all council energy supplies will be sourced from a green tariffs other than gas for council housing.	All council buildings on green energy tariffs	2023	Technical (International energy market volatility)	Medium (~300k)	Partially	Direct
D. Decarbonise operational council buildings	2. Low-carbon technologies and practices in operational council buildings	D.2. ix	Halve the council's carbon emissions again by 2026, staying on track to cut emissions from the council's operations and vehicles to net-zero by 2030	Research & Design	Chris Page	Climate Change	Data has been collected that will enable us to measure the current emissions output of operational buildings and allow us to set a baseline to measure progress in future years	Calculate baseline level of emissions from operational buildings Set target emissions level for each year Work with colleagues to achieve needed yearly reduction in conjunction with the Climate Change Action Plan	Yearly targets set Brief colleagues on required emission reductions	2022	No major risks identified	Low	Yes	Direct

D. Decarbonise operational council buildings	3. Guidance and support given to schools and academies to improve energy efficiency and reduce waste	D.3. i	Launch a network of Southwark Let's Go Zero schools to get children and parents involved in action to tackle the climate emergency	Engagement	Chris Page	Climate Change	Letter circulated directly to all Southwark head teachers asking them to sign up to Ashden's Lets Go Zero Campaign, 9 schools have now signed up	Initial scoping meeting to be set up to develop terms of reference for network, with schools already signed up to Lets Go Zero	Network to have terms of reference and membership confirmed and the first meeting held	2022	Timeline Resource	Low	No	Enabling
E. Decarbonise council housing	1. Raise the energy efficiency of social housing with an EPC rating of D or lower	E.1. i	Prioritise energy efficiency improvements and maximise funding for the worst-performing social housing properties - phase 1, feasibility studies	Implementation	David Hodgson	Asset Management	Two feasibility studies have been completed. Warmfront have identified properties needing roof insulation, Parity Projects have identified worst performing council homes and costed measures to improve these to EPC C	No further work planned at this time						Enabling
E. Decarbonise council housing	1. Raise the energy efficiency of social housing with an EPC rating of D or lower	E.1. ii	Prioritise energy efficiency improvements and maximise funding for the worst-performing social housing properties - phase 2, funding bids	Implementation	David Hodgson	Asset Management	Heat Network Efficiency Scheme - we applied for five separate grants and were successful across the board	Increase in dedicated staffing resource to apply for internal and external funding opportunities including Social Housing Decarbonisation Fund.	Submit bid for SHDF Identify and bid on other sources of funding	2022 for bids, activity also ongoing	Resource (limited resource to bid for funding)	Low	Partially	Enabling
E. Decarbonise council housing	1. Raise the energy efficiency of social housing with an EPC rating of D or lower	E.1. iii	Prioritise energy efficiency improvements and maximise funding for the worst-performing social housing properties - phase 3 proposed & current works	Implementation	David Hodgson	Regeneration & Development	> Upgrade to roof insulation in 190 properties, as identified by Warmfront study > Ongoing installation of condensing boilers to replace old inefficient appliances, 1,500 installed in 21/22 > Ongoing programme to replace old communal ventilation systems > Ongoing	Work will continue to complete roof insulation in all properties identified by Warmfront (additional 500) Window replacement project in street properties to receive £1m of funding through Climate Capital Fund	Complete roof insulation in properties identified by Warmfront. Complete window replacement project in street properties. Delivery of Asset Management Strategy to Cabinet	2022	Timeline (delays to the Asset Management Strategy)	Very High (approximately £90m to bring up entire stock to EPC C)	No	Direct

							programme of installing intelligent LED Lighting	Further proposals will be made as part of the Asset Management Strategy to be presented to Cabinet in 2022						
E. Decarbonise council housing	2. Replace gas with low-carbon heat technologies	E.2. i	Carry out initial feasibility and commercialisation assessments with the end goal of increasing the number of homes on the SELCHP network	Research & Design	David Hodgson	Asset Management (Engineering Services)	Veolia (with Southwark Council support) have secured £16m funding for extension of the heat network	New heat network project will deliver low carbon affordable heat to over 3,000 Southwark homes on eleven estates and five schools	Successful completion of commercialisation and contracts signed	2023	Resource Technical (commercial agreement not being reached) Technical (resident legal challenge)	High (£16m)	Yes	Direct
E. Decarbonise council housing	2. Replace gas with low-carbon heat technologies	E.2. ii	Replace gas as a heating source on the Consort, Newington and Wyndham housing estates	Implementation	David Hodgson	Asset Management (Engineering Services)	Heat pumps on site in three locations - Consort, Newington & Wyndham Between these three sites, heat will be supplied to 2,175 properties. Consort & Wyndham are more than 95% complete and being commissioned currently	Commissioning Newington heat pump Confirming completion of Consort and Wyndham sites	Confirm the completion of all 3 sites	2022	Timeline Technical (heat pumps not achieving performance specification)	High (project capital ~£8m)	Yes	Direct
E. Decarbonise council housing	2. Replace gas with low-carbon heat technologies	E.2. iii	Complete feasibility studies (with input from residents) which will allow every estate in the borough to design plans to move away from gas as an energy source	Research & Design	David Hodgson	Asset Management (Engineering Services)	The council has identified its highest priority sites in need of investment and written these into the Heat Networks Strategy Paper	Procurement of ten detailed feasibility studies to set the scope for upcoming major decarbonisation works at high priority estates. Southwark will be consulting with residents as part of the works process.	Feasibilities complete	2022	Timeline (procurement delays due to supply chain capacity)	Medium (£200k)	Yes	Enabling

E. Decarbonise council housing	2. Replace gas with low-carbon heat technologies	E.2. iv	Implement a standardised measuring framework to ensure compliance with planning policies for improved energy efficiency in all new build Council properties	Complete	Stephen Platts	Housing & Modernisation	We now have standard employers requirements which includes design standards. These standards are updated annually in-line with best practice and so we will consider this action to be closed Action is now complete	Action is now complete						Enabling
E. Decarbonise council housing	3. Make all of our future council home projects net zero	E.3. iii	Focus on pilot schemes for low carbon homes which can inform policy, including piloting Southwark's first 'PassivHaus' council homes	Implementation	Stuart Davis	Housing & Modernisation	Ann Moss way is being explored as a small pilot scheme and Tustin estate as a mid/large pilot scheme. Achieving passivhaus standard is currently under review, with initial work proving cost prohibitive	Identify location, cost scheme and secure funding	First Passivhaus scheme delivered	2026	Funding (inflationary build costs)	High	Partially	Direct
F. Make walking and cycling easier	1. Infrastructure, building developments, and policy are designed to facilitate walking and cycling	F.1. i	Double the number of cycle hangars in the borough to meet a target of 1000 by 2026	Implementation	Matt Clubb	Highways	Nearly 500 hangars have been completed as of June 2022	Install 500 more hangars in the borough, doubling the amount of hangars to 1000 in total by 2026	500 hangars delivered in borough	2026	Technical (delays due to supply chain shortages)	High (£1.28m)	Yes	Direct
F. Make walking and cycling easier	1. Infrastructure, building developments, and policy are designed to facilitate walking and cycling	F.1. ii	Assess feasibility of new locations to extend the cycling network	Engagement	Matt Clubb	Highways	Borough-wide consultation pre-pandemic on Commonplace to determine best locations for new cycle lanes	Identify key locations for upcoming cycle schemes	List of schemes approved by cabinet	2022	Funding	Low (£25k)	Yes	Enabling

F. Make walking and cycling easier	1. Infrastructure, building developments, and policy are designed to facilitate walking and cycling	F.1. iii	Increase cycle network coverage across the borough	Implementation	Matt Clubb	Highways	7.25km cycle network increase since 2019	Increase signed cycle coverage by 7km	Increase signed cycle coverage by 7km	2025	Funding	High	No	Direct
F. Make walking and cycling easier	1. Infrastructure, building developments, and policy are designed to facilitate walking and cycling	F.1. iv	Provide free cycle training for residents, including for young people, those with disabilities and cargo bike training	Not Started	Matt Clubb	Community Transport	New action, no work to date	Commission Cycle Confident for further trainings	Trainings are launched	2023	Resource Funding	Low	No	Enabling
F. Make walking and cycling easier	1. Infrastructure, building developments, and policy are designed to facilitate walking and cycling	F.1. v	Review the 10 Streetspace Low Traffic Neighbourhoods over the next 18 months including impact on carbon emissions	Complete	Matt Clubb	Highways	All post June 2020 Low Traffic Neighbourhoods consulted on as part of Experimental Traffic Management Order process, all trials now made permanent	Action is now complete		2022				Direct
F. Make walking and cycling easier	1. Infrastructure, building developments, and policy are designed to facilitate walking and cycling	F.1. vi	Improve access to walking in the borough and actively promote this as a zero-carbon method of transport	Not Started	Chris Page	Climate Change	Pledge on equal pavements made £1m allocated to progress this action	Deliver the Equal Pavements Pledge, working with older people, those with disabilities and limited mobility to make sure Southwark's streets are accessible for everyone Scoping exercise to determine where best this money could be spent	Scoping exercise complete	2026	Resource	£1m	Yes	Direct

F. Make walking and cycling easier	1. Infrastructure, building developments, and policy are designed to facilitate walking and cycling	F.1.vii	Highway design minimises emissions through low-carbon design	Research & Design	Matt Clubb	Highways	Design options discussed with consultancy	Develop carbon cost tool for use during design of schemes to put a carbon cost against design options	Approval of carbon cost tool	2022	Funding	Low (£50k)	No	Direct
F. Make walking and cycling easier	1. Infrastructure, building developments, and policy are designed to facilitate walking and cycling	F.1.viii	Highways contractor minimises emissions through low-carbon construction practices	Implementation	Matt Clubb	Highways	Conway prepare 'carbon dashboard' of material use for highway schemes, to inform more sustainable options. Also includes building energy use and fleet fuel use.	Completion of carbon baseline monitoring	Verified baseline data included in Metis carbon measuring tool	2022	Technical	Low	Yes	Direct
G. Discourage the ownership and use of polluting private cars	1. EV infrastructure is improved across the borough to facilitate more electric vehicles on the road	G.1.i	Deliver 1,000 more electric vehicle charging points by 2026, so there are more in every neighbourhood	Implementation	Matt Clubb	Highways	Installed to date: Rapid (TfL led) - 11 Fast - 17 Lamp post - 367	Install 200 EV chargers	200 EV chargers installed	2023	Technical (delays due to global material shortages)	Medium (£400k)	Yes	Direct
G. Discourage the ownership and use of polluting private cars	1. EV infrastructure is improved across the borough to facilitate more electric vehicles on the road	G.1.ii	Implement a borough-wide strategy for EV infrastructure by 2023, including stakeholder needs (e.g. taxis)	Implementation	Matt Clubb	Climate Change	Initial research into opportunity for extended EV charging facilities underway	EV Infrastructure strategy implemented	Consultation with relevant stakeholders	2023	Resource	Low	No	Enabling
G. Discourage the ownership and use of polluting private cars	2. Electric vehicles are actively incentivised to boost uptake	G.2.iii	Explore the feasibility of emissions-based parking permits as part of review into permits on streets	Complete	Matt Clubb	Parking Enforcement	Parking services already have in place a simple emissions based permit scheme for on-street locations and Paybyphone parking. Electric vehicles are charged the lowest fee for permits.	Action is now complete						Direct

G. Discourage the ownership and use of polluting private cars	2. Electric vehicles are actively incentivised to boost uptake	G.2. iv	Revise parking charges to discourage the use of polluting cars	Not started	Matt Clubb	Parking Enforcement	New action, no work to date	Benchmark fees and charges with the other London local authorities	Revise fees and charges by 2023	2024	Consultation	Low	No	Enabling
G. Discourage the ownership and use of polluting private cars	4. Ownership of private cars and behavioural patterns of their use are influenced	G.4. i	Pilot incentives for residents to give up their cars altogether	Not started	Matt Clubb	Highways	New action, no work to date	Complete scoping document to identify options to incentivise reduction in car use. This could include interventions such as installing pocket parks and cargo bike storage on streets where residents agree to go car free	Scoping document complete	2023	Resource	Low	No	Enabling
G. Discourage the ownership and use of polluting private cars	4. Ownership of private cars and behavioural patterns of their use are influenced	G.4. iii	Implement borough-wide controlled parking zones (CPZ) coverage	Implementation	Matt Clubb	Highways	63% coverage to date	94% borough coverage	94% delivered	2025	Consultation	High	Yes	Direct
G. Discourage the ownership and use of polluting private cars	4. Ownership of private cars and behavioural patterns of their use are influenced	G.4. iv	Introduce measures to ensure that more roads around schools are car-free at the start and end of the school day	Implementation	Matt Clubb	Highways	41 schools streets delivered to date	Agree target for expansion of school streets delivery	Target for expansion of school streets agreed	2022	No major risks identified	High (£2.5m)	Yes	Direct
H. Improve public transport	1. Accessibility to public transport is improved to increase uptake and inclusivity	H.1. i	Collaborate and lobby transport operators including Transport for London to make bus journeys quicker, more	Engagement	Matt Clubb	Highways	LIP 22/23 funding bid contains; access to public transport scheme (Denmark Hill) and Peckham bus priority schemes.	Input into TfL consultation to protect existing bus services	Retention of existing services	2022	Funding (TfL funding cuts have already led to bus route reduction)	High	No	Enabling

			reliable and zero emission				4% reduction of kms operated across London. Decrease in frequency in tube, train, buses. TFL consultation planned in June 22.							
H. Improve public transport	1. Accessibility to public transport is improved to increase uptake and inclusivity	H.1. ii	Campaign for the reopening of Camberwell Station and the extension of the Bakerloo Line	Engagement	Chris Page	Climate Change	<p>Network Rail have undertaken long term planning which considers journey impacts of new train route</p> <p>A business case was complete for Camberwell Station in 2018 and now requires an update</p> <p>Letter was sent to the PM to call for a funding deal for TfL so that large infrastructure development can be planned</p> <p>Letter sent to Deputy Mayor referencing the need for Bakerloo Line extension</p>	Meet with Mayor of London team to discuss lobbying opportunities	Joint approach to lobbying national government on this area agreed	2022	Resource	Low	No	Enabling
H. Improve public transport	1. Accessibility to public transport is improved to increase uptake and inclusivity	H.1. iv	Use our position as a council and through regional bodies that Southwark sits on to lobby the Mayor of London to decarbonise bus and rail networks	Engagement	Chris Page	Climate Change	Through our engagement with the (London Councils) Transport and Environment Committee we have discussed the importance of electrifying transport in London with the Mayor (provided by Cllr Dennis)	Meet with Mayor of London team to discuss lobbying opportunities on decarbonising the national grid	Joint approach to lobbying national government on this area agreed	2022	Resource	Low	No	Enabling

I. Reduce unnecessary journeys	1. Remote working is increased to reduce commutes in the borough	I.1.i	Use the Digital Infrastructure Strategy to facilitate the provision of widespread Wi-Fi and high-speed internet to less-well connected areas across the borough for remote working	Implementation	Richard Selley	Digital Infrastructure	31,794 homes with access to fibre broadband and 89 free connections to communities halls	Delivering fibre optic broadband to 6000 units including homes, businesses and community centres.	Delivery of 6000 new units	2023	No major risks identified	Low	Yes	Enabling
I. Reduce unnecessary journeys	2. Commercial journeys across the borough are influenced and consolidated to be more efficient	I.2.ii	Explore greater use of the Thames for freight and delivering into the borough, minimising impact of polluting vehicles on roads	Research & Design	Matt Clubb	Regulatory Services	Freight consolidation has commenced from Dartford, with trials to Butlers Wharf. Actively engaging with Westminster Cross River Partnership which brings together London Boroughs of Hammersmith & Fulham, Islington, Lambeth, Lewisham, Southwark and Wandsworth.	Collaborate on the Clean Air Logistics for London (CALL) project	Secure funding to support CALL project	2023	Funding (match funding from Transport Policy no longer possible)	Low (£10k)	No	Direct
J. Cut down unnecessary flying & encourage offsetting flight emissions	1. Aviation-based journeys are reduced in frequency to reduce associated carbon emissions	J.1.i	Promote reduction of flights (targeted more at frequent fliers) and promote alternative means of transport (partial rail journeys)	Not Started	Chris Page	Climate Change	No work to date	Behaviour change campaign to be run as part of the external affairs strategy	Launch of behaviour change campaign	2024	No major risks identified	Low	No	Enabling
K. Decarbonise council travel	1. Total number of journeys by staff are reduced in the borough	K.1.i	Support long-term remote working practices for council employees	Not Started	Ben Plant	Climate Change	Phased return to workplace	Develop hybrid working policy	Consult on policy and framework	2023	Resource	Low	Yes	Enabling

K. Decarbonise council travel	2. Journeys across the borough are low carbon and efficient	K.2. i	Undertake review of Council staff's commuting and general travel patterns and develop guidance on sustainable travel	Not Started	Chris Page	Climate Change	Most recent staff survey conducted in 2020	New survey required as part of Covid return to work	Undertake staff travel survey	2022	Timeline	Low	Yes	Enabling
K. Decarbonise council travel	2. Journeys across the borough are low carbon and efficient	K.2. ii	Launch an internal educational campaign advertising the funding schemes available which subsidise the cost of EV	Research & Design	Matt Clubb	Climate Change	Initial meeting held with HR to review an example scheme (Cranford EV)	Scoping for salary sacrifice scheme and identify preferred supplier	Agree with HR a preferred scheme that can be adopted by the council	2023	No major risks identified	Low	Yes	Enabling
K. Decarbonise council travel	3. Decarbonise council owned/rented vehicle fleet	K.3. ii	Identify opportunities for installation of EV charging points on council premises	Implementation	Matt Clubb	Traded Services	Three chargers have been installed at Tooley St and three have been installed at Queens Road.	Identify new locations as part of EV strategy	Publication of EV strategy	2023	Resource Funding	Low	No	Enabling
K. Decarbonise council travel	3. Decarbonise council owned/rented vehicle fleet	K.3. iii	Design and implement a strategic plan to trial low emissions vehicles into the LGV/HGV fleet (including waste and highways)	Implementation	Matt Clubb	Waste & Cleansing	Proposal received from Veolia for procurement of 5 electric Recycling Collection Vehicles (eRCVs) - requires funding support from the council	Proposal under consideration for procurement of 5 electric RCVs by Veolia	Completion and sign off of waste contract deed of variation 2022	2024	Technical (Industry-wide demand increasing which has extended delivery dates)	High (£1.6m: 5 eRCVs)	Yes	Direct
K. Decarbonise council travel	3. Decarbonise council owned/rented vehicle fleet	K.3. iv	Review and update fleet management guidelines to specify that certain vehicles must be Ultra Low Emissions Vehicles (ULEV)	Implementation	Matt Clubb	Waste & Cleansing	Conway are moving fleet to EV where possible, with plant operation also moving to EV	Increase the number of electric vehicles that are in Council's fleet Programme of work for the Vehicle Replacement Strategy put to cabinet	Incorporate 4 new electric vehicles into the fleet to replace existing hybrids Adoption of Vehicle Replacement Strategy	2023	Timeline Consultation	Low	Yes	Enabling

L. Improve local renewable energy infrastructure	2. Full access to renewable energy from the national grid	L.2.i	Coordinate with UK Power Networks to highlight what the grid connection and/or reinforcement needs are for the borough	Research & Design	David Hodgson	Housing & Modernisation	Initial meeting with UK Power Networks held in April 2022	Review of estates to identify internal projects that can be implemented in conjunction with UK Power Networks work programme on the grid	Review of suitable estates for future projects	2022	Resource	Low	Yes	Enabling
L. Improve local renewable energy infrastructure	2. Full access to renewable energy from the national grid	L.2.ii	Work with the Mayor of London to lobby government on the transition to a zero-carbon national grid	Not Started	Chris Page	Climate Change	No work to date	Climate Change and Policy team to meet with Mayor of London team to discuss lobbying opportunities on decarbonising the national grid	Joint approach to lobbying national government on this area agreed	2022	Resource	low	Yes	Enabling
M. Move towards green energy for businesses, residents and other organisations	1. Increase proportion of residents and organisations using renewable energy	M.1.i	Promote financial support that is available for residents and organisation of Southwark that will assist in the installation of renewable technology	Not Started	Chris Page	Climate Change	No work to date	Update of council website which will allow us to promote information on renewables including financial support	Update of council website	2022	Resource	Low	Yes	Enabling
M. Move towards green energy for businesses, residents and other organisations	3. Installations of renewables are prioritised and encouraged by council policy	M.3.iv	Explore increased support for renewables through the Early Review of the Southwark Plan	Research & Design	Stephen Platts	Planning Policy	Southwark Plan 2022 adopted including Policy P70 Energy	Completion of early review	Consultation on new and amended policy through Early Review of Southwark Plan (2022). This will be followed by the examination, then adoption of the policy.	June 2023 for Regulation 18 public consultation	Technical (legislation changes) Resource Timeline	Low	Yes	Enabling
N. Tackle fuel poverty by promoting and providing accessible energy alternatives	2. Promote community renewable technology projects	N.2.i	Support community energy projects where a demonstrable carbon saving can be made	Engagement	Chris Page	Climate Change	£400k of funding for community energy projects has been secured from Southwark Council Cllr Dennis provided letter of support for to	Working group to be set up to scope potential community energy projects in the borough	Scoping report complete	2023	Resource	Low	No	Enabling

							SE24 and South East London Community Energy CO-OP to bid to GLA's local community energy fund							
O. Reduce energy demand and cut energy waste	1. Shift to low carbon and energy efficient appliances	O.1.i	Provide guidance and support to residents and businesses on low carbon energy efficiency through creation of an Energy Savers Service	Not Started	Duncan Whitfield	Finance	No work to date	Scope out the creation of an Energy Savers Forum which will offer advice to residents and business on how to reduce energy use and retrofit buildings	Scoping report complete	2023	Resource	Low	No	Enabling
P. Boost renewable energy	1. Solar PV capacity is maximised in the borough	P.1.i	Prioritise solar panel installation and maximise project funding for social housing properties - phase 1, feasibility studies	Research & Design	David Hodgson	Housing & Modernisation	Feasibility studies have started for eight council housing blocks	Completion of feasibility studies	Completion of feasibility studies	2022	Technical (proposal not accepted by senior officers or residents) Timeline (procurement) Funding	Medium (£500k)	TBC	Enabling
P. Boost renewable energy	1. Solar PV capacity is maximised in the borough	P.1.iii	Prioritise solar panel installation and maximise project funding for social housing properties - phase 3 proposed & current works	Not Started	David Hodgson	Housing & Modernisation	New action, no work to date	If Lead Member Briefing is accepted, two solar projects at two locations will begin	Lead member briefing accepted	2022	Technical (uncertainty around regeneration, property, workplace and accommodation strategies)	Medium	TBC	Direct
P. Boost renewable energy	1. Solar PV capacity is maximised in the borough	P.1.iv	Prioritise solar panel installation and maximise project funding for operational council buildings - phase 1, feasibility studies		David Hodgson	Corporate Facilities Management, Asset Management	Initial work on feasibility assessments for six solar PV projects	Completion of feasibility studies	Feasibility study complete	2023	No major risks identified	Low	Yes	Enabling

P. Boost renewable energy	1. Solar PV capacity is maximised in the borough	P.1. v	Prioritise solar panel installation and maximise project funding for operational council buildings - phase 2, funding bids		David Hodgson	Corporate Facilities Management, Asset Management	Applied for approximately £4.8m from the councils Climate Capital Fund to retrofit five library sites which would include the addition of solar PV	Funding to be confirmed and project started	Funding confirmed	2022	Funding (not confirmed)	Low	Yes	Enabling
P. Boost renewable energy	1. Solar PV capacity is maximised in the borough	P.1. vi	Prioritise solar panel installation and maximise project funding for operational council buildings - phase 3, proposed & current works	Implementation	David Hodgson	Corporate Facilities Management, Asset Management	Rooftop PV installed at eight sites so far which are forecast to reduce emissions by 6.5 tonnes	Subject to feasibility studies being completed, six solar PV schemes are planned		2023	Feasibility study to be completed	High	No	Direct
P. Boost renewable energy	1. Solar PV capacity is maximised in the borough	P.1. iv	Prioritise solar panel installation and maximise project funding for council owned schools - phase 1, feasibility studies	Implementation	Stephen Platts	Sustainable Growth	New action, no work to date	Feasibility studies to be carried out for pilot studies at Crampton and Brunswick Park primary schools	PV feasibility study complete	2023	Resource	Low	Yes	Enabling
P. Boost renewable energy	1. Solar PV capacity is maximised in the borough	P.1. v	Prioritise solar panel installation and maximise project funding for council owned schools - phase 2, funding bids	Implementation	Stephen Platts	Sustainable Growth	New action, no work to date	The Council will bid for Salix funding for Heat Decarbonisation Plans to be carried out at all eligible schools	Funding bid submitted and accepted	2022	No major risks identified	Low	Yes	Enabling
P. Boost renewable energy	1. Solar PV capacity is maximised in the borough	P.1. iii	Progress the feasibility of a borough solar panel park	Research & Design	Stephen Platts	Planning & Growth	Two initial consultations suggested the identified site for a solar farm was not commercially viable due to significant issues in connecting the proposed site to the grid. This is being reviewed due to increases in electricity prices that may make this site more viable.	Completion of viability assessment	Viability assessment complete	2023	Technical (issues connecting to the National Grid) Resource	Low	Yes	Enabling

Q. Move toward a more circular economy	1. Households are supported to reduce consumption , improve rates of reuse and improve rates of recycling & waste collection	Q.1. i	Partner with and invest in community groups to develop sharing / circular economy	Implementation	Chris Page	Climate Change	Funding Agreement with Library of Things has been agreed with the launch anticipated in early 2023	Public launch of the Library of Things	Library of Things opens to the public	2023	No major risks identified	Low (£63k: Two year installation and maintenance)	Yes	Enabling
Q. Move toward a more circular economy	1. Households are supported to reduce consumption , improve rates of reuse and improve rates of recycling & waste collection	Q.1. ii	Support for residents on removing barriers to improving recycling in areas with low rates	Engagement	Chris Page	Waste & Cleaning	New waste facilities installed or in progress by Housing team on 4 estates to provide increased storage for recycling (Brandon, Elmington, Rockingham, Friary)	Agree communication and policy approach as part of the review of the Recycling Action Plan.	Comms/policy approach developed and approved by October 2022 as part of the review of the Recycling Action Plan.	2022	Resource	Low	No	Enabling
Q. Move toward a more circular economy	1. Households are supported to reduce consumption , improve rates of reuse and improve rates of recycling & waste collection	Q.1. iii	Increase percentage of waste recycled, ensuring that Southwark has one of the highest rates in inner London	Implementation	Matt Clubb	Waste & Cleaning	New waste facilities installed or in progress by Housing team on four estates to provide increased storage for recycling (Brandon, Elmington, Rockingham, Friary)	Review of Recycling Action Plan to identify new actions aimed at increasing the recycling rate	Recycling Action Plan updated and approved by October 2022.	2022	Resource	High	Partially	Direct
Q. Move toward a more circular economy	1. Households are supported to reduce consumption , improve rates of reuse and improve rates of recycling & waste collection	Q.1. iv	Reduce amount of waste sent to landfill	Implementation	Matt Clubb	Waste & Cleaning	Food waste collections for blocks of flats extended to 2,000 additional properties	Maintain current landfill rate at below 2%	Landfill rate stays below 2%	Ongoing	Technical (limited market value for recycling certain materials)	High	Partially	Direct

<p>Q. Move toward a more circular economy</p>	<p>2. Drive behaviour change in Southwark's businesses to reduce consumption</p>	<p>Q.2. ii</p>	<p>Explore development of Recycling Reward Schemes which would incentivise commercial sites and workplaces based on the amount of waste they avoid throwing away</p>	<p>Research & Design</p>	<p>Chris Page</p>	<p>Climate Change</p>	<p>No work completed to date</p>	<p>Review national and local strategies that exist Consider whether this action could be rolled into green awards scheme</p>	<p>Meet with Veolia to progress</p>	<p>2022</p>	<p>Resource</p>	<p>Low</p>	<p>No</p>	<p>Direct</p>
<p>R. Support more sustainable diets</p>	<p>1. Consumption patterns of diets in the borough are more sustainable</p>	<p>R.1. i</p>	<p>Deliver public campaigns to encourage people to adopt a more climate-friendly diet</p>	<p>Engagement</p>	<p>Sangeeta Leahy</p>	<p>Public Health</p>	<p>The Council have explored the integration of climate friendly agenda with nutritional recommendations and held a workshop on Planetary Health Diet for Council and SFAA members looking at recent evidence for health impacts Discussions have taken place to see if we can work with anchor institutions to integrate this into discussions on procurement</p>	<p>The approach for a campaign will be considered within council's upcoming Sustainable Food Strategy</p>	<p>Sustainable Food Strategy published</p>	<p>2022</p>	<p>Resource Funding</p>	<p>Low</p>	<p>No</p>	<p>Enabling</p>
<p>R. Support more sustainable diets</p>	<p>1. Consumption patterns of diets in the borough are more sustainable</p>	<p>R.1. iii</p>	<p>Set up a campaign to encourage commercial caterers, including those in workplaces, to provide less meat and dairy catering</p>	<p>Engagement</p>	<p>Sangeeta Leahy</p>	<p>Climate Change</p>	<p>Council Public Health team have explored initial options with Sustain</p>	<p>Approach to campaign to be developed within council's upcoming Sustainable Food Strategy</p>	<p>Sustainable Food Strategy published</p>	<p>2022</p>	<p>Resource Funding</p>	<p>Low</p>	<p>No</p>	<p>Enabling</p>
<p>R. Support more sustainable diets</p>	<p>2. Waste from food consumption is decreased</p>	<p>R.2. ii</p>	<p>Organise a food waste campaign using community growing projects, education in schools and working with</p>	<p>Research & Design</p>	<p>Chris Page</p>	<p>Climate Change</p>	<p>Hubbub commissioned to support development of several community fridges in the borough with the aim of encouraging their local</p>	<p>Agree communications and policy approach</p>	<p>Meet with Veolia to progress</p>	<p>2022</p>	<p>Resource</p>	<p>Low</p>	<p>No</p>	<p>Enabling</p>

			caterers, retail and hospitality				community and partners to support the food waste reduction agenda							
R. Support more sustainable diets	2. Waste from food consumption is decreased	R.2. iii	Expand networks facilitating the donation of edible surplus food, such as the Southwark Food Action Alliance (SFAA)	Research & Design	Sangeeta Leahy	Communities	Five community fridges up and running Funding in place for SFAA over 2021/22 Council have worked with SFAA, Fareshare / Felix / City Harvest (London food redistribution services) throughout the pandemic to ensure food banks and food support services were connected and supported	Approach for expanded networks to be developed within council's upcoming Sustainable Food Strategy	Sustainable Food Strategy published	2022	Resource Funding	Low	No	Enabling
S. Greener businesses and supply chains	1. Improved sustainability of local supply chains	S.1. i	Encourage and promote shopping locally to support business and reduce miles travelled	Engagement	Chris Page	Climate Change	Southwark Life has published articles on shopping locally	Preferred method of communication to be considered as part of climate change external affairs strategy	Publication of external affairs strategy	2022	Resource Funding	Low	Yes	Enabling
S. Greener businesses and supply chains	1. Improved sustainability of local supply chains	S.1. ii	Use connections to businesses and markets to facilitate shorter supply and distribution chains	Not Started	Chris Page	Climate Change	No work to date	Work with the Business Improvement Districts to understand best practice in supporting local supply chains and how this can be rolled out to other areas of the borough	Initial meeting with Business Improvement Districts to scope project	2022	Resource Funding	Low	Yes	Enabling

S. Greener businesses and supply chains	2. Businesses are supported to improve rates of re-use and recycling	S.2. i	Utilise existing business networks to promote consolidation of waste collection and recycling	Not Started	Chris Page	Climate Change	No work to date	Map out existing business networks and agree preferred approach to communication Consider inclusion within external affairs strategy	Complete mapping exercise of business networks	2022	Resource Funding	Low	No	Enabling
S. Greener businesses and supply chains	3. Delivery methods are transformed to reduce delivery miles and associated carbon emissions	S.3. i	Develop and deliver a Sustainable Freight and Last Mile Delivery Hubs Plan by 2026 that prioritises areas of greatest need and potential	Not Started	Chris Page	Climate Change	Old Kent Road Action Plan promoting freight consolidation with cargo bikes operating out of last mile delivery hub on Mandela Way	Identify resource and funding to lead on project Review existing council policy and projects to set ambition within a London context	Resource and funding in place to complete feasibility	2024	Resource	Low	No	Enabling
S. Greener businesses and supply chains	3. Delivery methods are transformed to reduce delivery miles and associated carbon emissions	S.3. ii	Support businesses to switch to zero pollution delivery vehicles, working with them to shift more local deliveries to electric cargo bikes	Engagement	Matt Clubb	Sustainable Travel	Bikes for Business model that has successfully engaged with businesses in 'Low Line' area spanning London Bridge, Bankside, Bermondsey and Walworth. £700 grants available to businesses who trial cargo bike deliveries	Scoping work will be undertaken to identify areas for potential expansion e.g. Old Kent Road, Peckham	Scoping work completed	2023	Resource Funding	Low	Yes (£100k)	Enabling
T. Implement a Green New Deal	1. Create 2,000 new green jobs by 2026	T.1. i	Map and forecast jobs and skills demand from Southwark's climate change investments and track jobs created	Implementation	Stephen Gaskell	Local Economy	A monitoring framework is being completed cross-council for green jobs created 2018-22 with 566 jobs identified as at October 2021 A pan-London definition for	Integrate green jobs monitoring with climate change action plan monitoring Forecast 2022-2026 green job creation	Jobs created measure tracked in action plan Forecast for 2022-26 green job creation complete	2022	Resource	Low	Yes	Enabling

							'green jobs' has been published in a report coordinated by Central London Forward							
T. Implement a Green New Deal	1. Create 2,000 new green jobs by 2026	T.1. ii	Connect communities, employers, skills providers and job brokerage organisations in a local green skills supply network	Implementation	Stephen Gaskell	Local Economy	A one year shared post from November 2021 has been established across Southwark, Lambeth and Lewisham. The purpose of the role is to develop a coordinated approach to meeting workforce demands from net zero retrofit and new buildings.	Agree medium term (2-3 year) delivery plan and resources for creating a green jobs and skills network across Southwark, Lewisham and Lambeth	Medium term (2-3 year) delivery plan and resource in place for creating green jobs and skills across Southwark, Lewisham and Lambeth	2022	Funding Resource	Medium (£400k: £60k officer resource at £20k per annum, £340k project delivery)	No	Enabling
T. Implement a Green New Deal	2. Growth of the local economy and innovative new green businesses	T.2. ii	Establish a green jobs, skills and technology centre in the borough	Implementation	Stephen Gaskell	Local Economy	The Council has worked with partner organisations to secure funding until 2024. The hub will work with employers, universities and colleges to offer training for high-quality, well-paid jobs in green sectors to local school leavers, and upskilling for the wider workforce. The hub is now open.	Staff resource and courses in place	Hub coordinator and team in post, courses underway	2022	Timeline Resource (risk of recruitment delays and lack of implementation resources at LSBU)	Medium (300k)	Yes	Enabling
T. Implement a Green New Deal	2. Growth of the local economy and innovative new green businesses	T.2. iii	Support innovation in green business sectors through council business support and workspace programmes	Implementation	Stephen Gaskell	Local Economy	Southwark Pioneers Fund procurement underway for delivery partners to lead support and grants for start-up and growth stage SMEs, including green economy	Southwark Pioneers Fund start-up and growth support in place	Delivery provider under contract and delivering	2022	Timeline	High (£1.15m)	Yes	Enabling

T. Implement a Green New Deal	3. Local businesses decarbonise	T.3. i	Support SME decarbonisation through council business support and workspace programmes	Research & Design	Stephen Gaskell	Local Economy	Scoping underway for Southwark Pioneers Fund investment in SME decarbonisation, including potential for coordination with GLA programmes	Southwark Pioneers Fund business sustainability support in place	Delivery provider under contract and delivering	2022	Timeline	Medium (300k)	Yes	Enabling
T. Implement a Green New Deal	3. Local businesses decarbonise	T.3. ii	Establish a 'retrofit learning network' to bring together experts to share information on the potential costs, available discounts and carbon savings from making homes more environmentally friendly	Not Started	Chris Page	Climate Change	New action, no work to date	Scope out the creation of a retrofit learning network which will offer advice to residents and business on how to reduce energy use and retrofit buildings	Scoping report complete	2026	Resource	Low	No	Enabling
U. Sustainable Operations and Procurement	1. Council minimises its operational waste	U.1. i	Ban single use plastics in council buildings	Engagement	David Hodgson	Corporate Facilities Management Team	Facilities management has held atrium events and workshops to increase awareness	> Renewed facilities management contract with measures to reduce single use plastics > Refresh single use plastic policy document > Work cross council to restrict the purchase of plastic cups	> New facilities management contract in place that includes measures to reduce single use plastics > Non-plastic cups in use throughout the Council > monitor the ordering of plastic cups via the stationery contract	2023	Funding (increase in cost which is not yet known)	Low	Yes	Enabling
U. Sustainable Operations and Procurement	1. Council minimises its operational waste	U.1. ii	Work with the council's waste management contractor to trial route optimisation	Complete	Matt Clubb	Council Waste & Cleansing Team	Veolia already optimise route planning	Action is now complete						Direct

U. Sustainable Operations and Procurement	2. Reduce direct carbon impact of procurement contracts	U.2. i	Establish standards of effective carbon reduction, measurement and management within contracts	Not Started	Chris Page	Climate Change	No work to date	Develop proposals around effective carbon management in contracts	> Initial research conducted > Dedicated resource in place to progress milestone, including external support if needed	2023	Resource	Low	No	Enabling
U. Sustainable Operations and Procurement	2. Reduce direct carbon impact of procurement contracts	U.2. iii	Ensure that the Social Value review includes sustainability and decarbonisation criteria so that these have a greater influence when bids are being evaluated	Not Started	Chris Page	Climate Change	New action, no work to date	Social Value strategy review	> Climate change input into Social Value Strategy review to include sustainability and decarbonisation criteria > Dedicated resource in place to progress milestone, including external support if needed	2023	Resource	Low	No	Enabling
U. Sustainable Operations and Procurement	2. Reduce direct carbon impact of procurement contracts	U.2. iv	Introduce a carbon neutral aligned procurement policy with workable models for its use and application during the procurement process and contract management	Not Started	Chris Page	Climate Change	No work to date	Develop proposals around a carbon neutral aligned procurement policy	> Initial research and scoping conducted > Dedicated resource in place to progress milestone, including external support if needed	2023	Resource	Low	No	Enabling
U. Sustainable Operations and Procurement	3. Decarbonise the council's pension fund	U.3. i	Make the council's pension fund zero carbon by 2030 at the latest and earlier if more zero carbon funds become available sooner	Implementation	Barry Birkengoff	Finance	Carbon footprint of council pension fund reduced by 50% between 2017 and 2021	Updates through Investment Statement Strategy (ISS)	Weighted carbon intensity of portfolio is reduced	2030	Technical (dependent on decarbonisation products available through the market)	TBC	Yes	Direct

<p>U. Sustainable Operations and Procurement</p>	<p>4. Embed climate change awareness across the council</p>	<p>U.4. i</p>	<p>All people appointed by the council to take care of Southwark must be well-versed in the effects of climate change on people and nature in Southwark</p>	<p>Research and Design</p>	<p>Chris Page</p>	<p>Climate Change</p>	<p>The Council delivered climate emergency training to new councillors</p>	<p>Develop climate emergency training module for staff with HR</p>	<p>Internal training module launches</p>	<p>2023</p>	<p>Resource</p>	<p>Low</p>	<p>No</p>	<p>Enabling</p>
<p>V. Create greener streets with more planting</p>	<p>1. Improved urban greening and biodiversity</p>	<p>V.1. i</p>	<p>Develop Urban Greening Factors for our neighbourhoods through the Early Review of the Southwark Plan</p>	<p>Research & Design</p>	<p>Stephen Platts</p>	<p>Planning Policy</p>	<p>Preparation of Southwark Plan Policy P58 (Green Infrastructure) for adoption. Very early scoping work has begun for urban greening in the Early Review of the Southwark Plan.</p>	<p>Conduct the early review of the Southwark Plan policy P59 Green Infrastructure and undertake new evidence base work as needed.</p>	<p>Complete the Early Review of the Southwark Plan</p>	<p>TBC 2024</p>	<p>Resource Timeline</p>	<p>Low</p>	<p>Yes</p>	<p>Enabling</p>
<p>V. Create greener streets with more planting</p>	<p>1. Improved urban greening and biodiversity</p>	<p>V.1. iv</p>	<p>Review the current approach to the use of pesticides in the public realm to better protect residents, wildlife and promote biodiversity</p>	<p>Implementation</p>	<p>Toni Ainge</p>	<p>Parks & Leisure</p>	<p>During the 2021 growing season: > Cleaning service reduced the number of applications of Glyphosate from three to two > Cleaning service trialled a non-Glyphosate based herbicide on selected roads in the borough</p>	<p>During the 2022 growing season: > Cleaning service to reduce the number of applications of Glyphosate from two to one > Cleaning service to continue the trial of the non-Glyphosate based herbicide on selected roads in the borough > Implementation of the Pesticide Policy</p>	<p>Draft Pesticide Policy Produced Implementation of new Pesticide Policy adopted across the council by end 22</p>	<p>2022</p>	<p>Resource</p>	<p>Low</p>	<p>Yes</p>	<p>Enabling</p>

V. Create greener streets with more planting	2. Key sites for biodiversity are identified and protected	V.2.i	Identify potential green corridors between key green spaces/Sites of Importance for Nature Conservation	Research and Design	Toni Ainge	Parks & Leisure	Borough SINC (Sites of Importance for Nature Conservation) have been reviewed which is available as a map on the ecology pages of the council website	Review definition of green corridors within the early review of New Southwark Plan and consult on including within formal planning policy	17 New SINC sites designated	2024	Resource Timeline	Low	Yes	Enabling
V. Create greener streets with more planting	2. Key sites for biodiversity are identified and protected	V.2.iii	Develop, support and expand Southwark's Biodiversity Partnership and their capacity to bid for and deliver local schemes.	Engagement	Toni Ainge	Parks & Leisure	The Southwark Biodiversity Partnership maintain five sites, offering a key contribution to supporting biodiversity in Southwark	Creation of a group, independent from the council, to increase opportunities to bid for external funding	Establishment of an independent biodiversity partnership	2024	Resource	Low (£5k)	No	Enabling
W. Increase tree coverage across the borough	1. Tree coverage is maintained and increased, with tree planting encouraged amongst residents	W.1.i	Make Southwark the first inner London council to have over 100,000 trees and endeavour to increase tree canopy to cover 24% of public land	Research & Design	Toni Ainge	Parks & Leisure	Currently at approximately 91,000 trees with around 20% canopy cover	20,000 trees are planned for planting by 2026	20,000 trees planted	2026	Resource	Low	Yes	Direct
W. Increase tree coverage across the borough	1. Tree coverage is maintained and increased, with tree planting encouraged amongst residents	W.1.ii	Work with local people and schools to find locations for and plant 20,000 trees	Research & Design	Toni Ainge	Parks & Leisure	17,000 trees have been planted in the borough. A further 20,000 will be planted on top of this.	Scoping work will be undertaken to identify areas where more trees can be planted and to assess innovative ways of increasing tree canopy cover	Scoping work completed	2022	Resource	Low	Yes	Direct
X. Residents have greater access to nature	1. Work with local people to create more nature sites, woodlands and urban planting	X.1.i	Develop a community garden plan which includes a new right for residents to have a community garden or food growing plots on their estates	Not Started	Toni Ainge	Community Projects	No work to date	Develop the community garden plan	Community garden plan created	2023	Resource	Low	No	Enabling

<p>X. Residents have greater access to nature</p>	<p>1. Work with local people to create more nature sites, woodlands and urban planting</p>	<p>X.1. ii</p>	<p>Designate more land in the borough for allotments</p>	<p>Implementation</p>	<p>Toni Ainge</p>	<p>Community Projects</p>	<p>108 allotment plots created on estates</p>	<p>Objective of 200 Plots by 2023</p>	<p>200 plots created</p>	<p>2023</p>	<p>Resource</p>	<p>Low</p>	<p>Yes</p>	<p>Direct</p>
<p>Y. Building and development works alongside and enhances the natural environment</p>	<p>1. Policy is used to protect and enhance the natural environment</p>	<p>Y.1. i</p>	<p>Ensure all of our future council homes projects increase biodiversity</p>	<p>Research & Design</p>	<p>Stephen Platts</p>	<p>Planning Policy</p>	<p>P60 Biodiversity policy in the Southwark Plan (2022) requires an uplift in biodiversity in developments The Environment Act will require all new developments to achieve a 10% biodiversity net gain by November 2023</p>	<p>A Biodiversity Net Gain working group has been set up to respond to the requirements of the Environment Act and set out guidance on the P60 Biodiversity policy of the Southwark Plan</p>	<p>Complete the Early Review of the Southwark Plan and align it with biodiversity net gain requirements Publish Climate and Environment Supplementary Planning Document with further guidance to meet biodiversity net gain requirements Introduce internal processes to evaluate, monitor and enforce biodiversity net gain plans</p>	<p>TBC 2024</p>	<p>Resource Timeline</p>	<p>Low</p>	<p>Yes</p>	<p>Enabling</p>
<p>Y. Building and development works alongside and enhances the natural environment</p>	<p>1. Policy is used to protect and enhance the natural environment</p>	<p>Y.1. ii</p>	<p>Impose more ambitious requirements in planning policy for the protection of existing green space</p>	<p>Complete</p>	<p>Stephen Platts</p>	<p>Planning Policy</p>	<p>The New Southwark Plan has been adopted. This details new requirements for the protection of green space in line with national legislation. Action is now complete</p>	<p>Action is now complete</p>						<p>Enabling</p>

Y. Building and development works alongside and enhances the natural environment	1. Policy is used to protect and enhance the natural environment	Y.1. iii	Consider the impact of development on nearby Sites of Importance for Nature Conservation	Complete	Stephen Platts	Planning Policy	The Southwark Plan (2022) has been adopted which sets out new considerations for development near Sites of Importance for Nature Conservation or green corridors Action is now complete	Action is now complete							Enabling
Y. Building and development works alongside and enhances the natural environment	1. Policy is used to protect and enhance the natural environment	Y.1. iv	Develop a climate change adaptation strategy	Research & Design	Chris Page	Climate Change	The council is leading on London Councils Resilient and Green work stream, looking at climate change resilience across the city	Publish climate change adaptation strategy in 2022	Strategy published	2022	Resource Timeline	Low	Yes	Enabling	
Z. Define an offsetting strategy for residual emissions	1. Develop a strategy for residual emissions	Z.1. i	Develop a carbon offsetting strategy to address the emissions not tackled by direct actions in the borough	Not Started	Chris Page	Climate Change	No work to date	Publish carbon insetting strategy by 2023. This will include a review of insetting opportunities to further reduce carbon emissions in the council's supply chain.	Strategy published	2023	Resource	Low	Yes	Enabling	
Z. Define an offsetting strategy for residual emissions	2. Green spaces within the borough are protected and assessed for sequestration potential	Z.2. iv	Retain and protect existing key green spaces and soil carbon stocks which store CO2 in the borough	Complete	Stephen Platts	Planning Policy	The work to retain existing green spaces has been completed through the New Southwark Plan. This identifies and affords protection to Sites of Importance for Nature Conservation (SINCs) and other green spaces. Southwark has designated a further 15 SINCs and upgraded	Action is now complete						Direct	

					some to Borough importance. Action is now complete.							
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Key:

- Greener Buildings
- Active and Sustainable Travel
- Renewable Energy
- A Circular Economy with Green Jobs
- Thriving Natural Environment

Southwark Climate Change Action Plan

Data Refresh & Updates

June 2022

v3.1



Prepared for Southwark Council by Anthesis

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INTRODUCTION

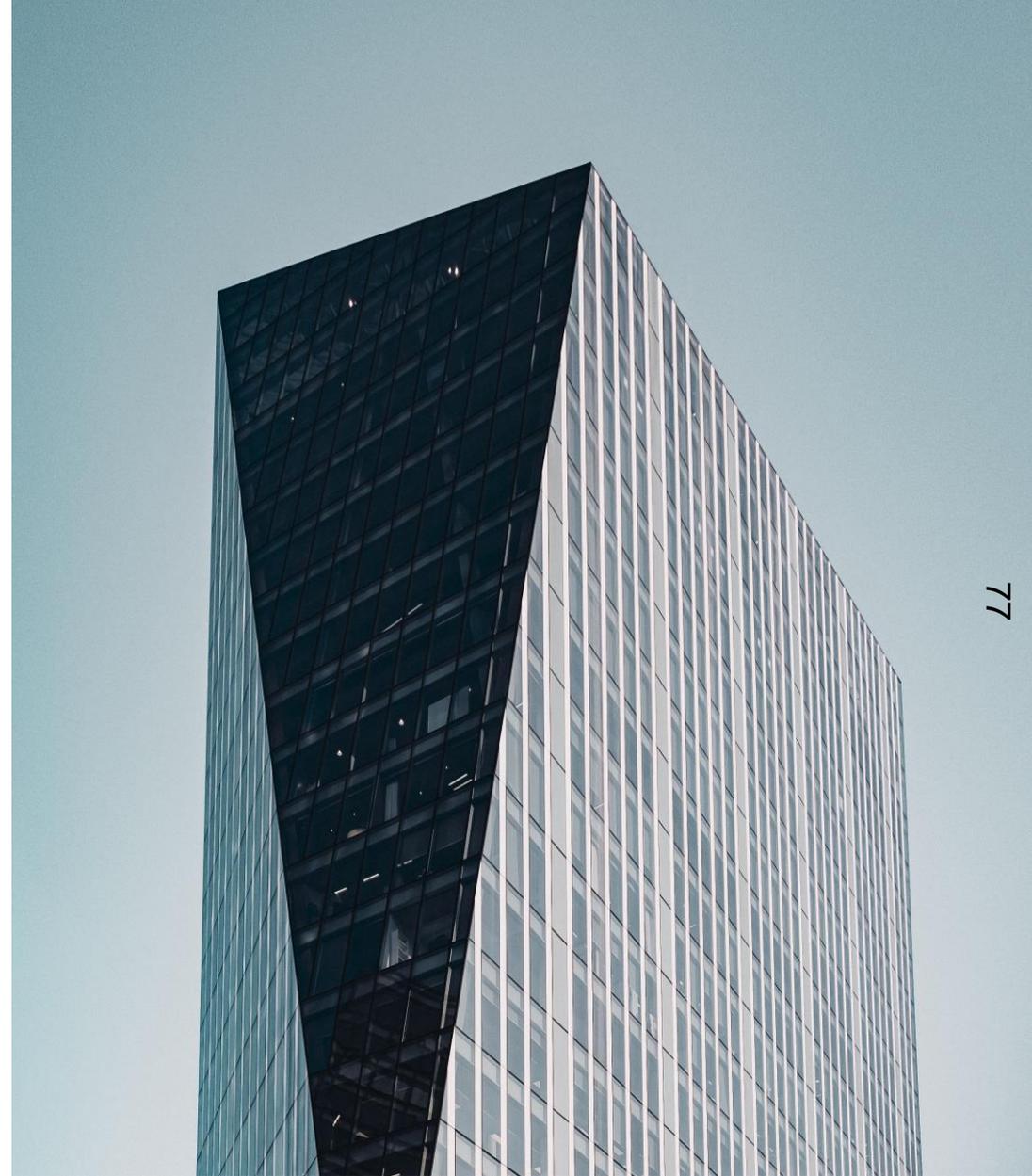
This report has been commissioned by Southwark Council to support in the ongoing reporting of the borough's Climate Strategy and Action Plan. This report provides updates to emissions analysis first performed in Spring 2021 and is structured as follows:

- **Chapter 1** presents an updated footprint for the council's own operations, from financial year 2020/21.
- **Chapter 2** presents an updated footprint and pathways progress for borough-wide emissions, with new analysis from SCATTER.
- **Chapter 3** presents best practice guidance and advice on future reporting, based on conversations with the council and past footprinting experience.

Report objectives

This report is intended to be used by the Southwark Climate Change Team, with key data and figures included within the updated Climate Strategy & Action Plan. The report has the following objectives:

- To allow the council to include the most up-to-date emissions statistics in its Strategy and Action Plan publication
- To build capacity and understanding within the council for future reporting years in order to allow the council to lead its own emissions reporting in future years
- To continue to inform priorities for project delivery within the council and maximise focus on those projects that have the potential to reduce emissions the most



1 – COUNCIL'S OWN EMISSIONS ANALYSIS

1.1 – SUMMARY

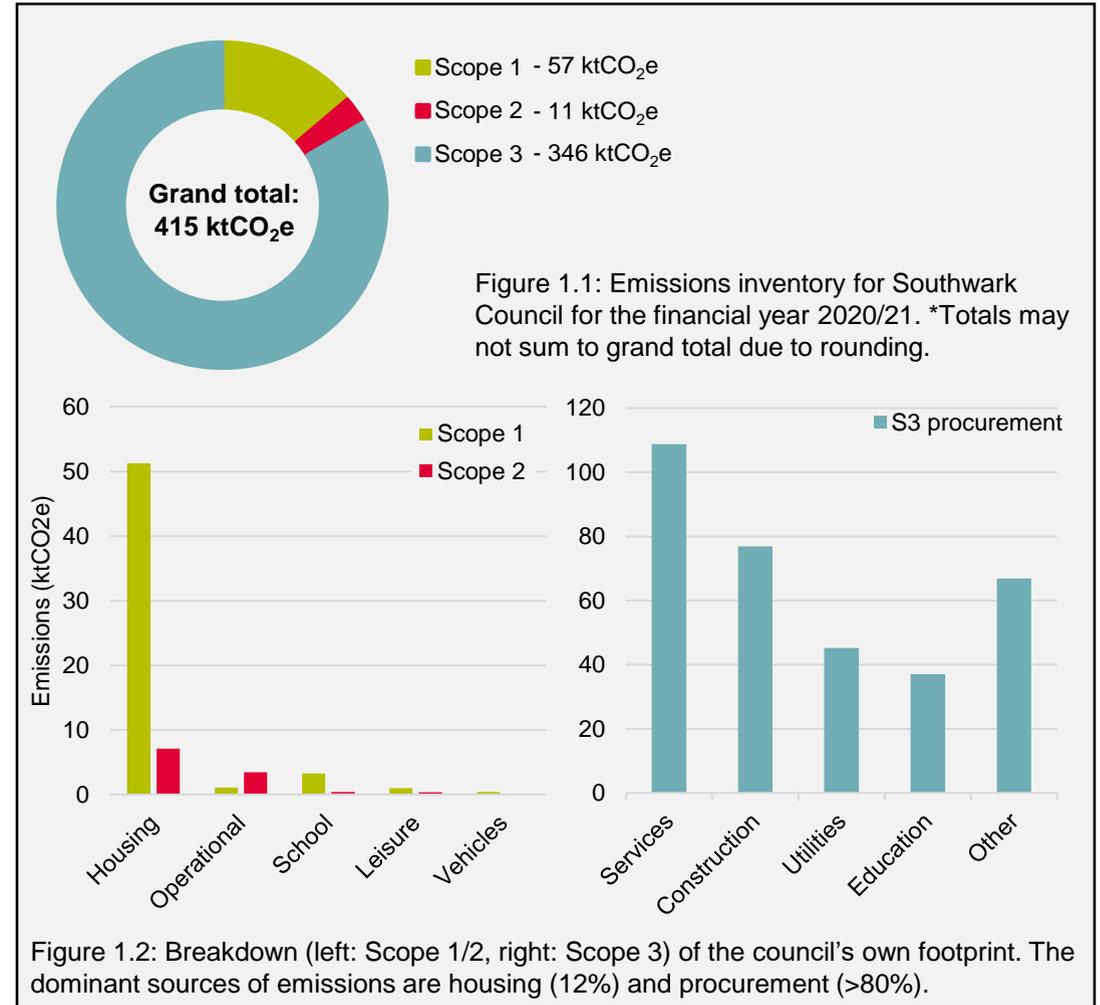
Analysis of Southwark Council's operations and assets shows a council's own footprint of **415 ktCO₂e**. The major contributors to this total are the council's buildings (recorded under Scope 1 & 2) and the council's procurement (recorded under Scope 3). Together these two emissions groups make up over 97% of the overall profile.

Understanding the council's emissions is an important step in leading the borough's transition to net zero. The method used to calculate this footprint is aligned to the [Greenhouse Gas Protocol](#) and is based on the following sources of emissions:

- Vehicle fleet
- Buildings and other owned/ leased assets
- Employee commutes
- Procurement spend

Council's Own Footprint

- The majority of the council's own footprint (84%) is a result of Scope 3 contributions, most notably from the council's procurement. A much smaller contribution stems from the council's owned building stock, in particular council-owned social housing. Emissions have been grouped according to the extent of the council's *operational control*.
- Compared to last year's footprint, emissions from the council's estate have fallen from ~72 ktCO₂e to ~68 ktCO₂e, due largely to the falling grid factor for electricity consumption. Fleet emissions also fell, from 0.47 ktCO₂e to 0.42 ktCO₂e.
- Overall, emissions have fallen from 432 ktCO₂e to 415 ktCO₂e.
- Not all Scope 3 categories have been assessed as part of this analysis – readers are directed to the GHG Protocol for more details on these categories. A full list of the activities defined by this footprint, as well as a full scope split, can be found in Appendix 1A.



1 – COUNCIL'S OWN EMISSIONS ANALYSIS

1.2 – SCOPE 1/2 EMISSIONS

Scope 1 Emissions

Primarily, Scope 1 emissions arise from the consumption of gas in council buildings across the borough. The council has included a wide range of buildings within its operational boundary; homes, operational council buildings such as offices and schools. Council-owned housing makes up 92% (51 ktCO₂e) of the contribution to Scope 1 emissions, compared to 6% (3 ktCO₂e) from schools and a small contribution from operational council buildings. Leisure centres also make a small contribution (<1 ktCO₂e) to the total.

A much smaller contribution is made by council-leased vehicles, which are responsible for <0.5 ktCO₂e across various service vehicle types. The contribution of Scope 1 emissions towards the council's footprint equates to roughly 14% of the total footprint.

Scope 2 Emissions

Scope 2 emissions stem primarily from the purchase of electricity in council-owned buildings. Once again, households form the majority of the overall total (63%, 7 ktCO₂e), with streetlighting (17%, 2 ktCO₂e) and operational buildings (13%, 1.5 ktCO₂e) also making significant contributions. Smaller contributions come from schools (4%, 0.4 ktCO₂e) and leisure centres (3%, <0.4 ktCO₂e).

The contribution of Scope 2 emissions towards the council's total is small, however, making up under 3% of the total footprint. These emissions have also been reported under a location-based approach. This treats all purchased electricity as "grid-average" and does not account for specific contracts the council may have which supply low-carbon renewable electricity. Figure 1.3 shows the individual buildings which make up the most significant contribution to these totals.

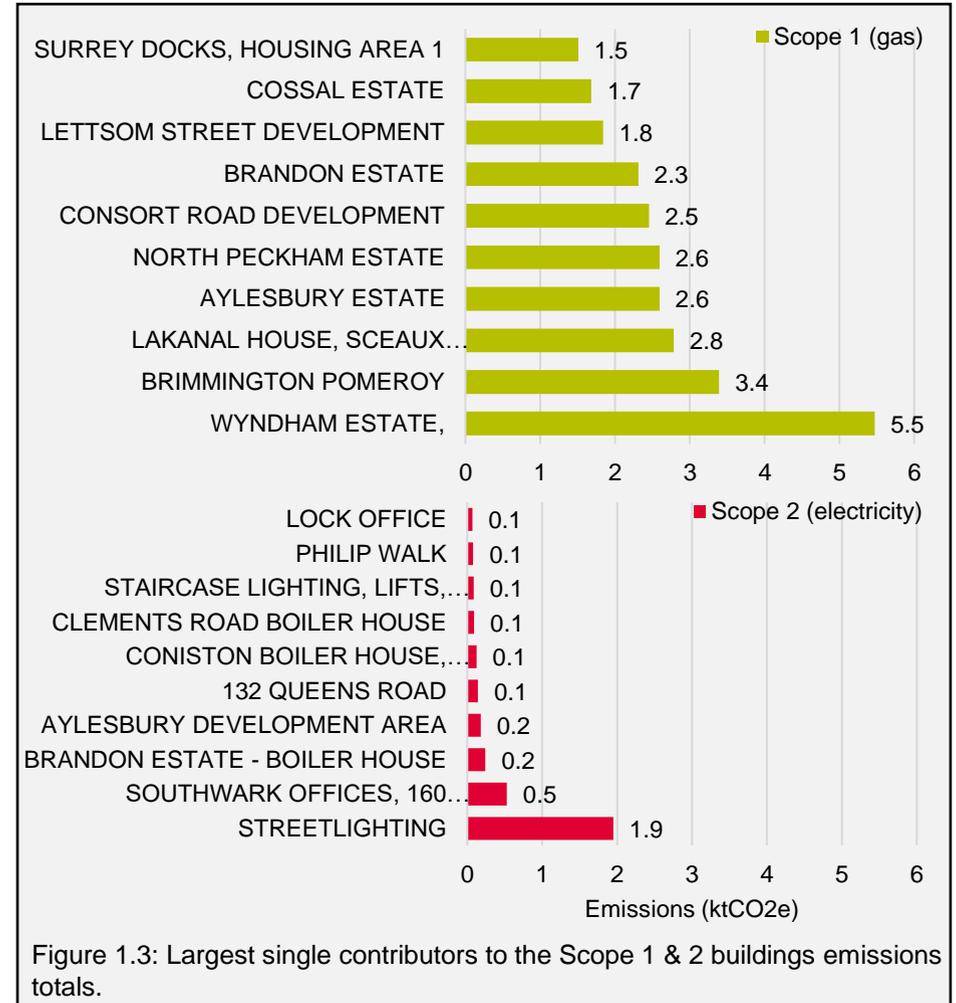


Figure 1.3: Largest single contributors to the Scope 1 & 2 buildings emissions totals.

1 – COUNCIL'S OWN EMISSIONS ANALYSIS

1.2 – SCOPE 1/2 EMISSIONS

Data Quality

Analysis of the council's footprint for the FY2020/21 was completed using a combination of available real data and a number of projected statistics.

Figure 1.4 shows the proportion of data from buildings that was available compared against estimated or projected data.

Estimated data was calculated depending on the available raw data. These were as follows:

- **Median Estimates** – This was used when both the previous year and following year data was available. A median value for FY2020/21 consumption was estimated based on the average of those points.
- **Trend Analysis** – Where only the previous year estimates were available, a multiplier factor was applied to give an estimate for FY2020/21. This factor was based on real data changes in consumption for available similar building types.
- **Supplier Estimates** – Energy supplier estimates were used where the supplier had estimated the year's energy usage rather than taking an exact meter reading and median estimates and trend analysis were not applicable.
- **Prior Year Figures** – Previous year energy usage was used where there was no available reference point to apply any of the above methods e.g., School electricity usage.

Using estimated data to this extent may materially impact the accuracy of the emissions total for the council's estate, particularly when reporting across a period as atypical as FY2020/21. The council should prioritise the inclusion of real data across all activities when completing its footprint in the next reporting cycle.

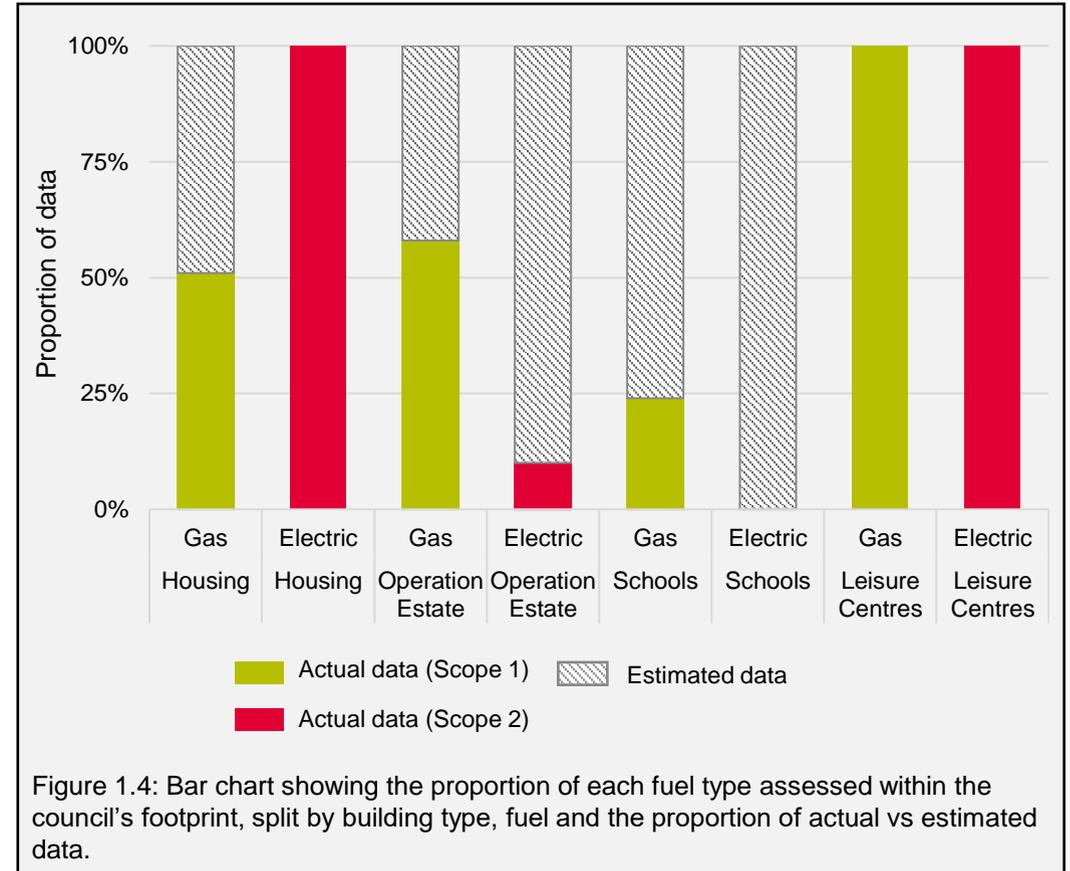


Figure 1.4: Bar chart showing the proportion of each fuel type assessed within the council's footprint, split by building type, fuel and the proportion of actual vs estimated data.

Actual data has been taken from meters within buildings, provided by the council. No further modification has been made during analysis. *Estimated data* is based on projections and assumptions.

1 – COUNCIL'S OWN EMISSIONS ANALYSIS

1.3 – SCOPE 3 EMISSIONS

The dominant emissions in the council's footprint are categorized under Scope 3. We have estimated Scope 3 contributions from the following sources:

- Council procurement
- Buildings
- Staff commutes (assessment of hybrid working emissions shown in Appendix 6)

Emissions from procurement

Emissions associated with council procurement have been estimated to be 335ktCO₂e. They have been calculated using the same methodology as in the previous carbon analytics report, with updated statistics on expenditure and emissions factors. Figure 1.5 provides a breakdown of the council's procurement spend and the associated contribution to Scope 3 emissions. A full data table of this analysis can be found in Appendix 1B.

Key suppliers to the council

Figure 1.7 overleaf shows the top-ranking suppliers to the council based on both spend and emissions. There is a significant overlap between the suppliers which are used most frequently by the council and their related emissions, with 7 suppliers appearing in both top ten graphs, shown in Figure 1.7. It should also be noted that 7 of the top 10 suppliers for the FY20/21 also appear in the top 10 for the FY19/20.

Energy suppliers LASER Energy and Npower rank within the top ten suppliers by emissions, with LASER Energy the single largest contributor to the council's Scope 3 emissions from procurement. It should however be acknowledged that these emissions may overlap with Scope 1 & 2 given they relate to the provision of mains electricity and gas at council sites.

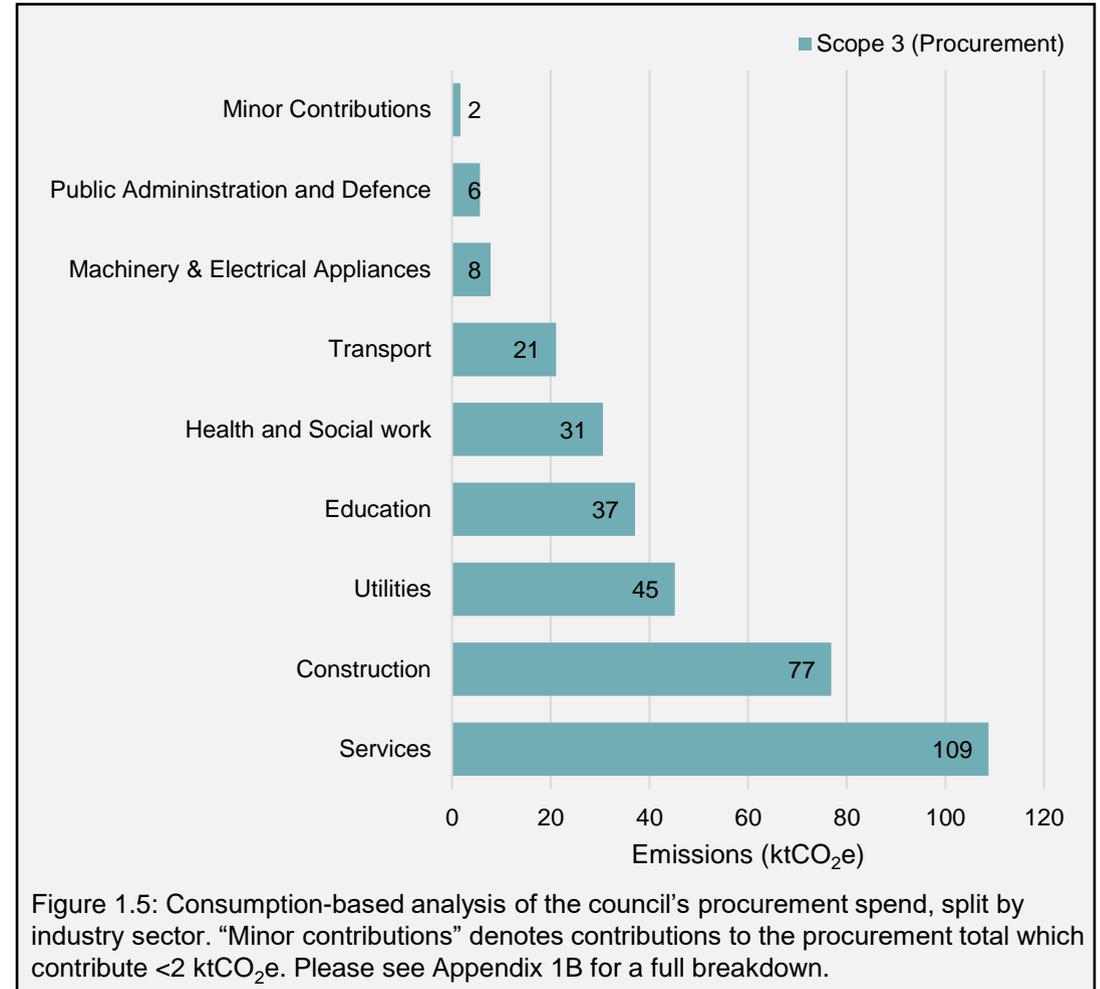


Figure 1.5: Consumption-based analysis of the council's procurement spend, split by industry sector. "Minor contributions" denotes contributions to the procurement total which contribute <2 ktCO₂e. Please see Appendix 1B for a full breakdown.

1 – COUNCIL'S OWN EMISSIONS ANALYSIS

1.3 – SCOPE 3 EMISSIONS

Using this data: leisure centre case study

This procurement analysis serves as a starting point for better estimates based on more specific engagement with individual suppliers and contract holders. This should be based on fuel consumption data. The FY2020/21 procurement spend emissions should not be compared to the previously assessed FY2019/20 procurement spend emissions, as it will only show spending trends and not accurate emissions trends.

Emissions from leisure centres can be estimated based on meter readings taken at site, as well as through using contract data from council suppliers. Meter reading data is a more accurate measure of emissions.

The below chart shows how the procurement analysis gives an estimate for supplier emissions from Everyone Active, the council's leisure centre partner, compared against "real" data taken from meter readings at leisure centre sites across the borough. The disparity in emissions totals serves to underline the importance of engaging with suppliers for consumption data in order to improve the accuracy of emissions from procured goods and services.

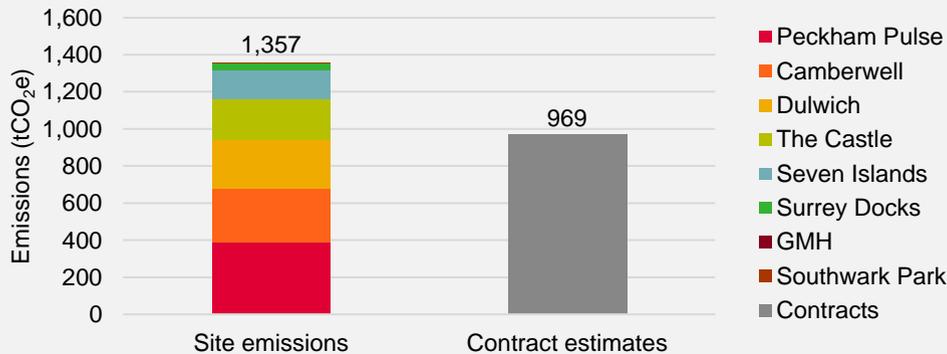


Figure 1.6: Comparing fuel consumption data emissions taken from on-site meter readings and emissions estimated using contract data.

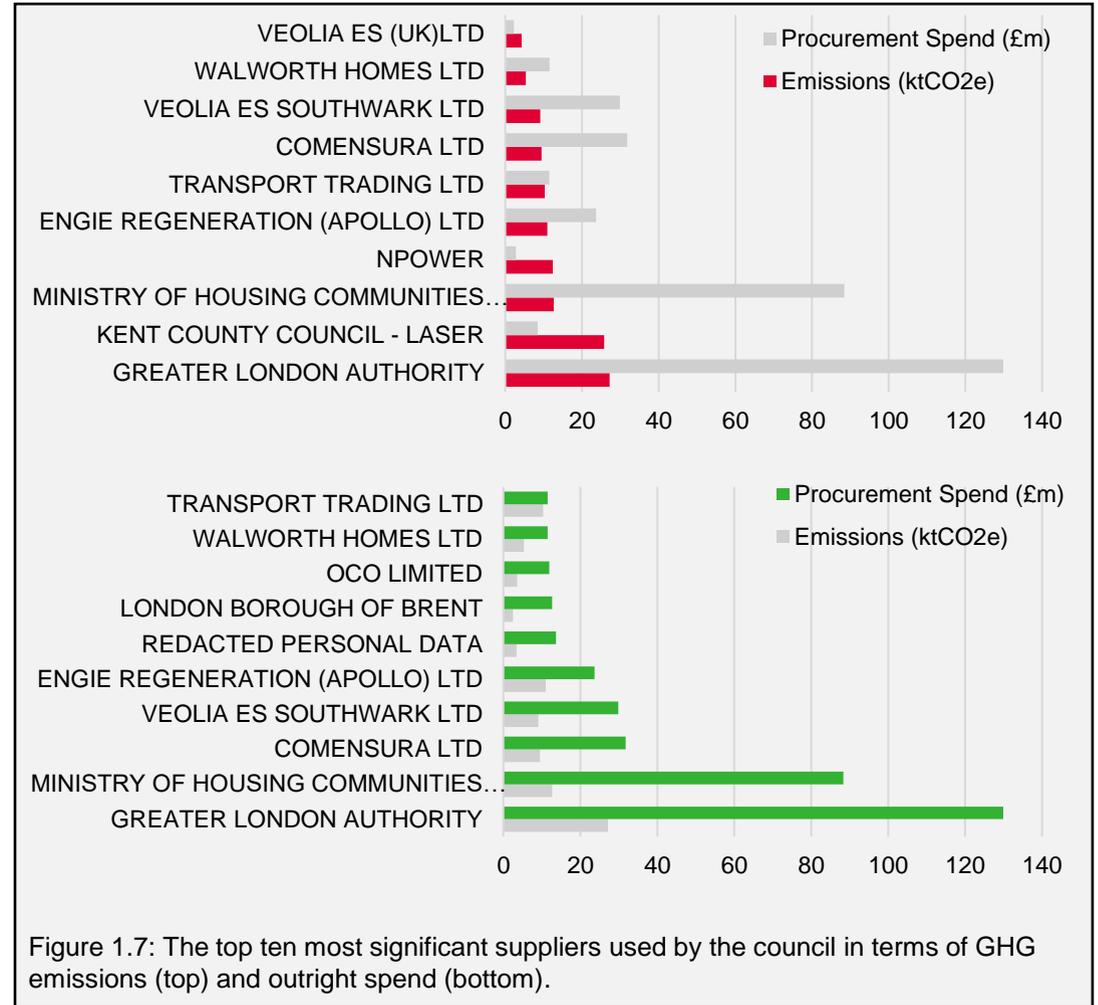


Figure 1.7: The top ten most significant suppliers used by the council in terms of GHG emissions (top) and outright spend (bottom).

1 – COUNCIL’S OWN EMISSIONS ANALYSIS

1.3 – SCOPE 3 EMISSIONS

Employee Commuting

Employee commuting contributes <0.5% (0.9 ktCO₂e) to the council’s overall emissions profile, but the emissions total comparing the FY19/20 to 20/21 has increased by 1%. Despite the impacts of the pandemic, this can be attributed to a number of improvements to the methodology based on the availability of more data:

- Both full- and part-time employees were accounted for, with the total number of employees assessed for commutes being over 3 times larger than the previous year.
- COVID-19 had a large impact on the number of trips taken per employee, this impacted 82% of staff working from home or hybrid working. 18% of staff were classed as ‘frontline’ and it was assumed that they worked entirely in-person. This split of frontline vs. non-frontline workers is based on data supplied by the council.
- Postcodes were used to estimate the distance of a commuting journey for each employee.
- A more localised modal split was used to better represent a typical London commute (shown right in the distribution of transport modes).

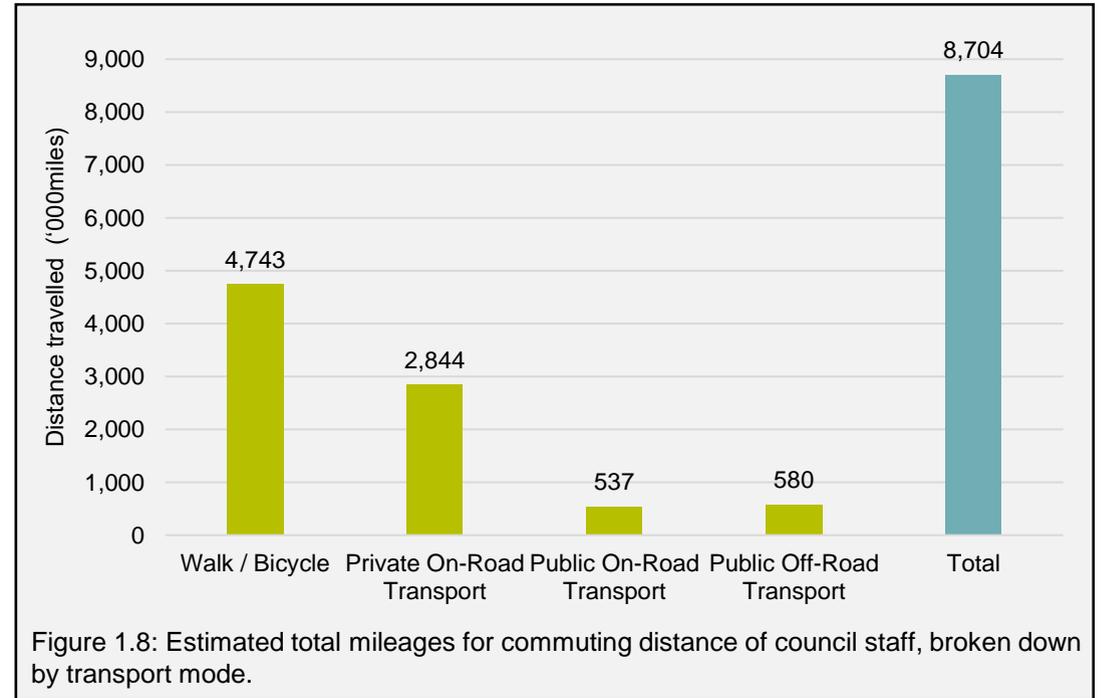
An estimate for the additional emissions from home-working can be found in Appendix 6.

Scope 3 emissions from buildings

Scope 3 emissions from buildings contribute 2.6% (10.5 ktCO₂e) to the council’s overall emissions profile.

Significant changes were recognized in WTT (Gas Well-To-Tank) emissions as well as T&D (Electricity Transmission and Distribution) as a result of changes to the emissions factors from BEIS:

- The gas WTT emissions factor increased ~23% from the previous year.
- The electricity T&D emissions factor decreased ~6% from the previous year.



2 – BOROUGH-WIDE EMISSIONS ANALYSIS

2.1 – 2019 SCATTER INVENTORY UPDATE

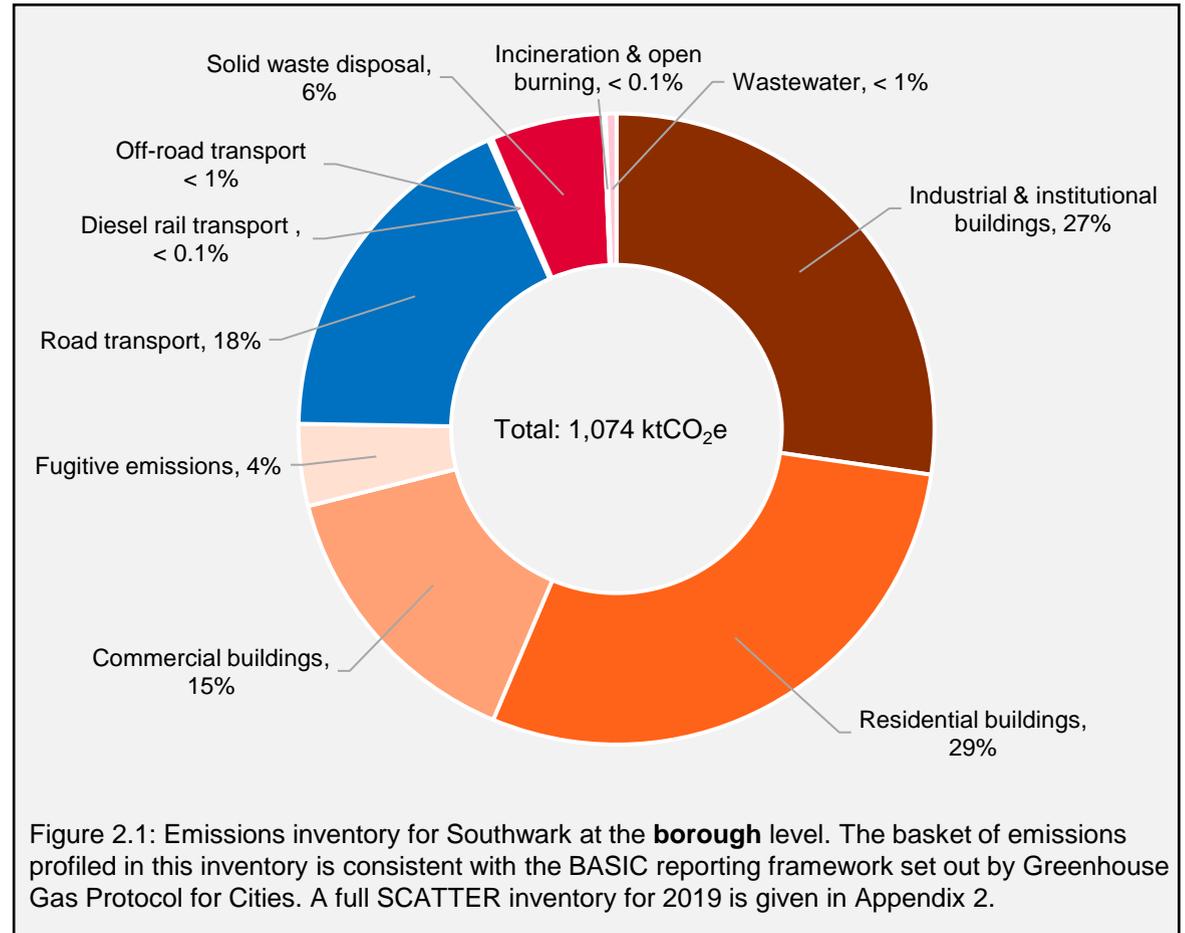
In 2019, Southwark’s buildings, transport and waste disposal were responsible for emissions totalling 1,074 ktCO₂e. The majority resulted from buildings (75%) and transport (18%).

This emissions inventory has been calculated using the SCATTER Inventory tool and is compliant with the BASIC reporting standards set out in the Greenhouse Gas Protocol for Cities. The activities for which emissions are reported in Figure 2.1 are consistent with those reported in the original carbon analytics report published in 2021. Changes in the emissions recorded under each category are down to the following:

- Reduction in the grid factor for electricity, which reduces emissions from purchased electricity by around 27% per unit of consumption between 2019 and 2017.
- Year-to-year variations in underlying activity.
- Changes and improvements to the methodologies behind each emissions estimate (see Appendix 4).

2019 represents the most recent reporting year for borough-wide emissions based on the available datasets, which are published two years in arrears in many cases.

For the full list of emissions recorded under SCATTER please see Appendix 2. In 2018, borough-wide emissions from these categories totaled 1,142 ktCO₂e. An equivalent doughnut chart and data table for 2018 emissions can also be found in Appendix 3.



2 – BOROUGH-WIDE EMISSIONS ANALYSIS

2.1 – 2019 SCATTER INVENTORY UPDATE

The following tables demonstrate the profile of each emissions sector and explain the sources of emissions included in each:



75% of emissions in Southwark come from buildings*

- **Residential buildings (29%):** Domestic households of all tenure types.
- **Institutional buildings & facilities (6%):** Public sector buildings including schools, colleges and educational buildings, health centres, hospitals, leisure centres, council buildings etc.
- **Industrial buildings & facilities (21%)** Larger industrial facilities, including factories, warehouses and workshops associated with manufacturing and engineering.
- **Commercial buildings & facilities (15%):** Buildings from which commercial businesses operate e.g. shops, shopping centres, offices, restaurants etc.
- **Other fuel use (<0.01%):** Fuel consumption from other sources (off-road transportation in the industrial & agricultural sectors).
- **Fugitive emissions (4%):** Emissions from leaks and other fuel released through transportation and storage of fuels. Scaled to Southwark by population from national figures.



18% of emissions in Southwark come from transport

- **On-road transport (18%):** Emissions from all forms of on-road passenger vehicle, including cars, vans, motorcycles, buses and taxis.
- **Diesel rail (<0.1%):** Emissions from diesel-fuelled rail transport. Emissions from electricity consumption within the rail sector are included in the commercial and industrial sectors as it is not possible to separate these emissions.
- **Off-road (<1%):** A base assumption of 1% of total on-road emissions.



6% of emissions in Southwark come from waste disposal

- **Solid waste disposal (6%):** Incorporates various waste streams across commercial, industrial and municipal sources.
- **Wastewater (< 1%):** Scaled directly from national wastewater data by population.

*Please see Appendix 4 for a note describing changes in the proportion of industrial, institutional and commercial buildings emissions.

2 – BOROUGH-WIDE EMISSIONS ANALYSIS

2.2 – CONSUMPTION-BASED EMISSIONS UPDATE

Consumption-based analysis is carried out using statistics for economic activity and national data for consumption-based emissions.

Due to the national dataset for 2019 consumption-based emissions being unavailable until its public release in June 2022, we have not completed an estimate for the borough-wide consumption-based emissions.

Updated analysis will be added here once the requisite data has been published by DEFRA.

This is a placeholder for updated borough-wide consumption-based emissions that will be updated upon publication of the requisite data.

2 – BOROUGH-WIDE EMISSIONS ANALYSIS

2.3 – BOROUGH-WIDE PATHWAYS UPDATE

Updated pathways

In 2020/21, the council commissioned work into future emissions pathways for borough-wide emissions. This was completed using the EnergyPRO model, which provides estimates for emissions from buildings and on-road transport at each year up to 2030 according to different scenarios of activity in the borough.

Figure 2.3 opposite shows the EnergyPRO “All measures” scenario. Plotted alongside these bars is a progress-to-date which shows the borough’s emissions from 2018 and 2019 according to SCATTER. As was the case in 2021, there are some emissions categories assessed by SCATTER that do not appear in EnergyPRO and emissions have been mapped between the two pieces of software to produce this chart.

Progress against modelling

This analysis shows the following:

- SCATTER data indicates a reduction of 18% in 2019 emissions against 2017 levels in the emissions categories that are covered by the model.
- This reduction is largely down to the decarbonization of the national grid as well as methodological changes and source data updates in the SCATTER inventory tool. Refer to Section 2.2 for more detail, as well as the full data tables in Appendix 2.
- The “All measures” scenario in EnergyPRO projected reductions of 23% in 2019 against 2017 levels.

A comparison between the “Business as usual” scenario modelled within EnergyPRO can be found in Appendix 5. More details on the EnergyPRO modelling can be found in the carbon analytics report published in 2021.

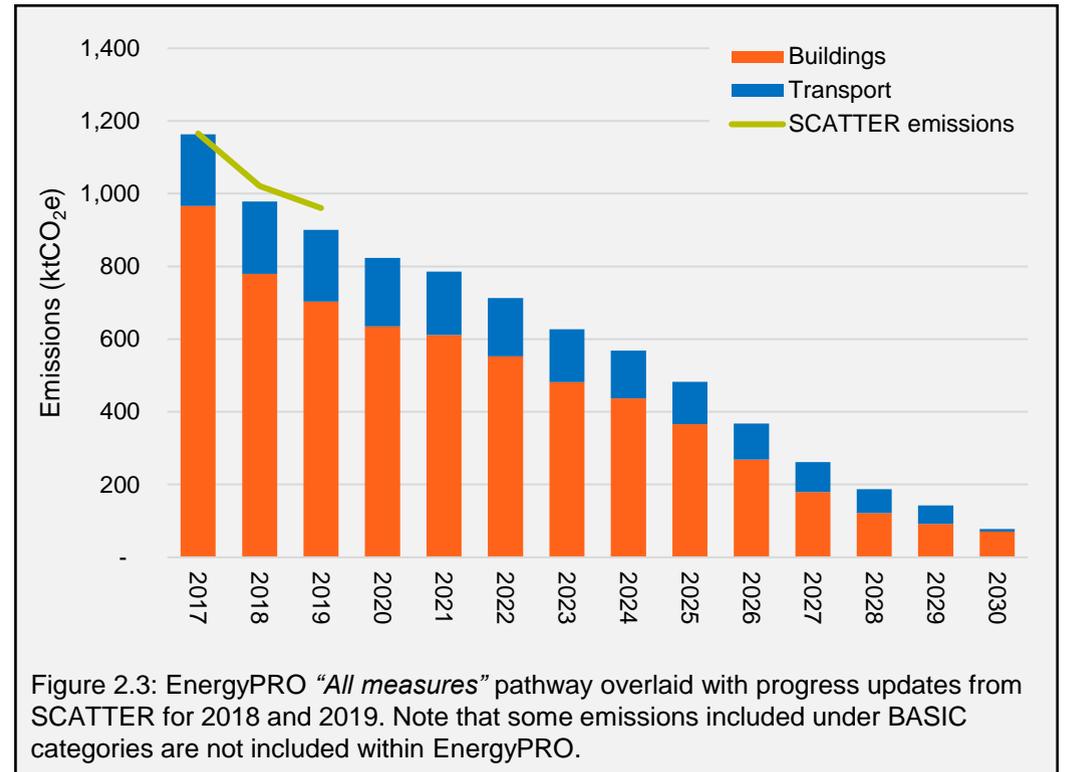


Figure 2.3: EnergyPRO “All measures” pathway overlaid with progress updates from SCATTER for 2018 and 2019. Note that some emissions included under BASIC categories are not included within EnergyPRO.

3 – GUIDANCE FOR FUTURE REPORTING

In future years, the council wishes to take the emissions reporting process “in-house”, with footprints being completed by analysts internally. This chapter sets out guidance and best practice on completing these footprints, based on conversations with the council team.

A more detailed supplementary annex has been provided to the council in conjunction with this report.

Reporting the borough’s Scope 1 & 2 emissions

The council will be able to report the borough-wide Scope 1 & 2 emissions annually using the free-to-access online SCATTER tool. The full SCATTER dataset is available for download along with guidance on how to report to the Global Covenant of Mayors and CDP, which the tool is aligned with.

This report, and the report from 2021, highlight which emissions sources are required for reporting under the Greenhouse Gas Protocol’s BASIC framework. This can be found in Appendix 2.

New functionality on the site (launching Summer 2022) will allow local authorities to compare past year emissions and updates to the methodology and source data are published alongside new data each year.

Assessing the council’s Scope 1 & 2 emissions

It is important that the council reassess its operational boundary each year. Having a full and clear understanding of the council’s operations across different teams and departments is an important prerequisite for accurately reporting emissions:

- Changes to contractual arrangements may warrant the amendment of previously out-of-scope activities into Scope 1 (and vice versa). There may also be justification to include some activities currently under Scope 3 as Scope 1, on the basis of demonstrating council leadership and maximising emissions reductions e.g. buildings which the council leases.

- Many properties had very low energy values. It is important to validate that these are definitely vacant, as opposed to being improperly recorded. In particular with housing, this could be done by assigning houses with an average value. How this has changed could also be assessed over the previous two-year periods and corroborated with buildings managers for reasonableness.
- Many of the electricity values used are forecasts made by the council’s energy providers. These appeared to be quite optimistic when comparing against Anthesis assumptions. We would therefore encourage the council to:
 - a) consider applying an adjustment to your building stock to account for the high value of forecasts
 - b) proactively seek actual meter readings from your tenants/energy suppliers (possibly accelerating smart metering integration)
- As the council adopts increasing amounts of renewable energy to meet its energy demand, it should also ensure that it reports Scope 2 emissions appropriately. As outlined in the GHG Protocol, it is standard practice to include both market- and location-based emissions from Scope 2 sources:
 - *Location-based emissions* estimates account for electricity consumption according to the average grid factor for a region.
 - *Market-based emissions* estimates account for electricity consumption after consideration of contractual arrangements (e.g. green tariffs) and are often much smaller than location-based estimates as a result.



3 – GUIDANCE FOR FUTURE REPORTING

- The council should also begin recording its consumption of refrigerant gases, which typically contribute 1-5% of an organisation's Scope 1 & 2 footprint.

These considerations ensures proper completeness when calculating emissions.

Assessing the council's Scope 3 emissions

The council also wishes to estimate the extent of its Scope 3 footprint, which incorporates emissions created in the council's supply chain and downstream services. Scope 3 emissions are typically much larger than Scope 1 and 2 emissions but are also much more challenging to treat since they rely on collaborative work with suppliers to both measure and mitigate.

Staff commuting and home-working

Estimating emissions from staff commuting is typically informed by an annual staff survey which gathers data on the number of journeys made, the distance travelled and the mode of transport taken. These pieces of information can then be combined to calculate an emissions estimate from commuting.

According to the GHG Protocol, emissions from home-working are recorded under the same emissions category as employee commuting and both activities are reported together.

Since the onset of COVID-19, the increased extent of home-working means that the council should consider these additional emissions impacts alongside commuting. Estimating emissions from home working considers additional energy usage from electronic equipment at home as well as additional heating in colder weather.

Interpreting consumption-based emissions analysis

The consumption-based emissions analysis published in this report is best used as a tool to highlight emissions hotspots within the council's supply chain and contracts. This forms the basis for further investigation and engagement with different suppliers and contracts.

The method applies nationally-derived emissions factors for expenditure in given industry sectors and is not sensitive to the specific nuances of suppliers' products and processes.

This limitation means that the totals quoted for certain industry sectors are likely to vary from the real-world performance of the council's suppliers.

Reporting supplier emissions to achieve better estimates for Scope 3

There is a strong overlap between mitigating the council's own Scope 3 emissions and the reduction in borough-wide Scope 1 & 2 emissions, since many of the council's suppliers operate within the borough. Improving the estimate of the council's Scope 3 footprint requires engaging with suppliers to disclose their Scope 1 & 2 emissions.

The accuracy of the council's estimate for emissions from procured goods and services ultimately relies on suppliers measuring the emissions created as a result of the council's contract. This is also a means through which the council can better categorise its Scope 3 emissions e.g., being able to distinguish between the broad category of "*Procured Goods and Services*" and the more specific category of "*Waste Generated in Operations*".

By engaging in discussions with its larger suppliers, the council can better plan how to reduce their emissions through a better understanding of its Scope 3 footprint.

CONCLUSIONS & RECOMMENDATIONS

This report provides updates to borough-wide and council's own emissions profiles for publication in the updated Climate Strategy & Action Plan, as well as advice and guidance on best practice for the council's reporting in future years.

To progress the council's ambitions to strengthen its emissions monitoring & reporting ahead of future cycles, we recommend the following to improve the council's data collection practices:

- Develop an appropriate means of regular emissions data monitoring across council teams and begin year-round conversations with relevant officers on their data monitoring & reporting techniques.
- Engage with key suppliers and determine what support is required to improve visibility over their own Scope 1 & 2 footprints, that the council may better define its own Scope 3 impacts. This also serves as a useful entry point into conversations around borough-wide emissions mitigation.
- Ensure that new projects designed alongside the Action Plan follow robust data management principles in order to properly allow the council to report its progress.

Useful resources for emissions reporting & accounting

- [SCATTER](#) and the LGA [Greenhouse Gas Accounting Tool](#)
- GHG Protocol for [Cities](#) and [organisational Scope 3 guidance](#)



Appendices

Appendix 1 – Council’s own emissions

Appendix 2 – 2019 BEIS & SCATTER Data Tables

Appendix 3 – 2018 SCATTER Inventory & Data Table

Appendix 4 – Updates to SCATTER’s data & methodology 2017-19

Appendix 5 – Progress against EnergyPRO baseline scenario

Appendix 6 – Homeworking Emissions Assessment

APPENDIX 1A: COUNCIL'S OWN EMISSIONS

Table 1: Emissions breakdown by source and activity (2020-2021).

Emission source					
Scope 1		Activity Data	Unit	tCO ₂ e	% of total emissions
Buildings & Other Assets	Natural Gas	309,007	MWh	56,598	13.65%
	Gas Oil	0	MWh	0	0.00%
Vehicle Fleet	Small Van (petrol)	405,589	Miles	140	0.03%
	Medium Van (SWB)	615,614	Miles	227	0.05%
	Large Van (Transit)	36,786	Miles	12	0.00%
	Large Van (3.5t cage tipper)	114,824	Miles	41	0.01%
Total Scope 1 emissions				57,018	13.75%
Scope 2		Activity Data	Unit	tCO ₂ e	% of total emissions
Buildings & Other Assets	Purchased Electricity	53,374	MWh	11,333	2.73%
Vehicle Fleet	Small Van (Electric)	18,278	Miles	1	0.00%
Total Scope 2 emissions				11,334	2.73%

Emission source					
Scope 3		Activity Data	Unit	tCO ₂ e	% of total emissions
Buildings & Other Assets	Natural Gas – WTT	309,007	MWh	9,687	2.34%
	Gas Oil – WTT	0	MWh	0	0.00%
	UK Electricity – T&D	53,374	MWh	1,003	0.24%
Employee Commute	Walk/Bicycle	4,742,612	Miles	0	0.00%
	Private On-Road Transport	2,843,817	Miles	784	0.19%
	Public On-Road Transport	536,679	Miles	87	0.02%
	Public Off-Road Transport	580,430	Miles	30	0.01%
Procurement Spend	Input/Output	£1,091	Million GBP	334,727	81.02%
Total Scope 3 emissions				346,318	83.52%
Total emissions (Scope 1, 2 & 3)				414,670	100%

Assumptions note

Figures may not sum directly due to rounding.

APPENDIX 1B: COUNCIL'S PROCUREMENT SPEND

Table 2: Procurement spend emissions summary

Category	Emissions (tCO2e)	Procurement Spend (k£)	Proportion of emissions
Services	108,749	572,744	32.5%
Construction	76,880	164,479	23.0%
Utilities	45,183	14,143	13.5%
Education	37,068	172,013	11.1%
Health and Social work	30,581	94,369	9.1%
Transport	21,109	23,650	6.3%
Machinery & Electrical Appliances	7,814	31,050	2.3%
Public Administration and Defence	5,627	15,291	1.7%
Minor Contributions (See Below)	1,718	3,019	0.5%
Grand total	334,727	1,090,757	100%

Table 3: Services breakdown

Category	Emissions (tCO2e)	Procurement Spend (k£)	Proportion of services emissions
Other service activities	39,790	133,487	37%
Services from membership organisations	38,602	268,638	35%
Insurance and pension funds	12,921	48,802	12%
Banking and finance	12,709	89,082	12%
Legal, consultancy, other business activities	2,808	17,972	3%
Real estate activities	1,499	13,542	1%
Printing matter and related services	420	1,221	0.4%
Services sub-total	108,749	572,744	100%

Table 4: Minor contributions breakdown

Category	Emissions (tCO2e)	Procurement Spend (k£)	Proportion of emissions
Post And Telecommunications	604	1,561	0.2%
Sewage and Refuse Services	456	338	0.1%
Material/Chemical Use	371	494	0.1%
Hospitality & Catering	164	332	0.0%
Manufactured Goods & Recycling	115	287	0.0%
Fuels	7	7	0.0%
Grand total	1,718	3,019	0.5%

APPENDIX 2: 2019 BEIS AND SCATTER DATA TABLES

Sector	Scope 1 & 2 Emissions, ktCO ₂
Industry and Commercial Electricity	183.3
Industry and Commercial Gas	108.7
Large Industrial Installations	0.3
Industrial and Commercial Other Fuels	8.3
Agriculture	0.1
Domestic Electricity	91.9
Domestic Gas	201.3
Domestic 'Other Fuels'	3.9
Road Transport (A roads)	100.4
Road Transport (Motorways)	-
Road Transport (Minor roads)	125.2
Diesel Railways	0.5
Transport Other	1.1
LULUCF Net Emissions	-0.9
Grand Total	824.1

IE	= Included Elsewhere
NE	= Not Estimated
NO	= Not Occurring
	Included within BASIC
	Not included within BASIC
	2019 data not yet available

Sub Sector	Direct (ktCO ₂ e)	Indirect (ktCO ₂ e)	Other (ktCO ₂ e)
Residential buildings	199.51	112.25	43.65
Commercial buildings & facilities	48.94	109.31	22.96
Institutional buildings & facilities	40.03	23.73	8.81
Industrial buildings & facilities	96.48	133.16	33.52
Agriculture			
Fugitive emissions	45.04	0.00	0.00
On-road	194.75	IE	IE
Rail	0.39	IE	0.09
Waterborne navigation	NO	IE	IE
Aviation	NO	IE	176.03
Off-road	1.94	0.00	NE
Solid waste disposal	61.56	0.00	IE
Biological treatment	NO	0.00	IE
Incineration and open burning	1.25	0.00	IE
Wastewater	5.79	0.00	NO
Industrial process	129.51	-	0.00
Industrial product use	0.00	-	NE
Livestock			
Land use			
Other AFOLU	NE	0.00	0.00
Electricity-only generation	NO	-	NO
CHP generation			
Heat/cold generation	NO	-	0.00
Local renewable generation	0.02	NO	NO
Sub-total	825.21	378.45	285.06
	Grand total: 1,488.72		

Notes:

- BEIS 2019 data (far left) and SCATTER 2019 data (near left) are compiled using different methodologies.
- Within the SCATTER model, national figures for emissions within certain sectors are scaled down to a local authority level based upon a series of assumptions and factors.

What do the different emissions categories mean within SCATTER?

Direct = GHG emissions from sources located within the local authority boundary (also referred to as Scope 1). For example petrol, diesel or natural gas.

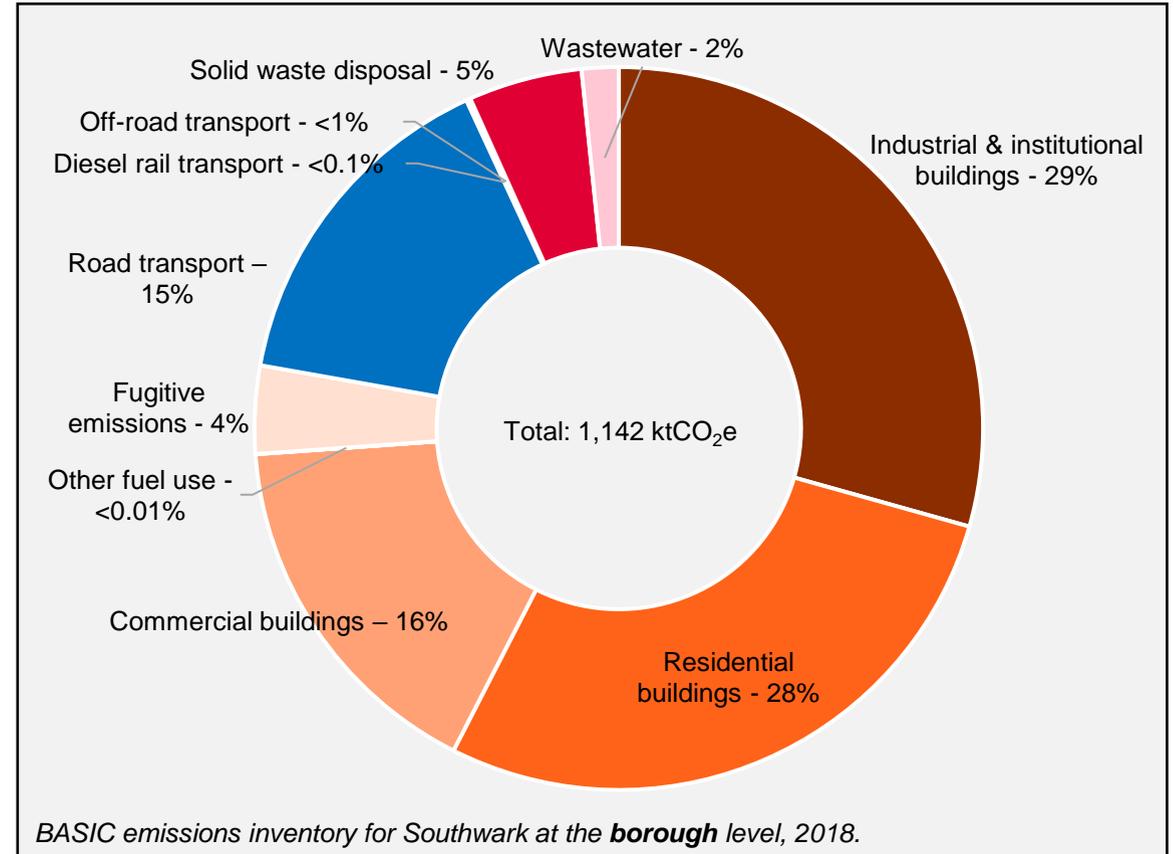
Indirect = GHG emissions occurring as a consequence of the use of grid-supplied electricity, heat, steam and/or cooling within the local authority boundary (also referred to as Scope 2).

Other = All other GHG emissions that occur outside the local authority boundary as a result of activities taking place within the boundary (also referred to as Scope 3). This category is not complete and only shows sub-categories required for CDP / Global Covenant of Mayors reporting.

APPENDIX 3: 2018 SCATTER INVENTORY & DATA TABLE

Sub Sector	Direct (ktCO ₂ e)	Indirect (ktCO ₂ e)	Other (ktCO ₂ e)
Residential buildings	196.09	124.98	48.04
Commercial buildings & facilities	48.64	138.26	29.08
Institutional buildings & facilities	39.65	30.02	10.34
Industrial buildings & facilities	96.96	168.77	41.51
Agriculture	0.10	0.00	0.02
Fugitive emissions	44.83	0.00	0.00
On-road	175.02	IE	IE
Rail	0.39	IE	0.09
Waterborne navigation	NO	IE	IE
Aviation	NO	IE	163.41
Off-road	1.75	0.00	NE
Solid waste disposal	57.62	0.00	IE
Biological treatment	NO	0.00	IE
Incineration and open burning	NO	0.00	IE
Wastewater	18.68	0.00	NO
Industrial process	144.83	-	0.00
Industrial product use	0.00	-	NE
Livestock	0.05	0.00	0.00
Land use	-0.54	0.00	0.00
Other AFOLU	NE	0.00	0.00
Electricity-only generation	NO	-	NO
CHP generation	0.46	-	0.08
Heat/cold generation	NO	-	0.00
Local renewable generation	0.01	NO	0.25
Sub-total	824.57	462.02	292.58
	Grand total: 1,579.16		

In 2018, Southwark's buildings, transport and waste disposal were responsible for emissions totalling 1,142 ktCO₂e.



APPENDIX 4: UPDATES TO SCATTER'S DATA & METHODOLOGY 2017-19

Implications of method updates on Southwark's footprint

Updating the sources used to estimate emissions in Southwark is an important part of improving the accuracy of monitoring and reporting emissions. Each year, the methodology and source data within SCATTER is reviewed to ensure that the most up-to-date statistics are being used to estimate emissions.

This leads to changes in emissions totals from one year to the next in certain categories. Changes to the data sources for stationary energy and waste disposal are in the most significant categories to have an impact on overall emissions totals. Changes in small emissions categories do not have major material impacts to the overall footprint since their emissions are very small relative to other sectors. This is true even in the case of significant percentage changes in the emissions data.

It is occasionally the case that there are large changes in the reported figures and underlying data. These are discussed in more detail below.

Changes within BASIC categories

Stationary energy

- Source data change has resulted in an average increase in emissions of +12%, due to changes in BEIS *Energy Consumption in the UK* (ECUK) datasets. This is the result of local authorities no longer reporting 'Bioenergy & Waste' and 'Industrial Energy Consumption' data.

- Differences have been reported regarding industrial coal, commercial petroleum products, and industrial & commercial gas.
- Linked to this, fuel classifications between building types has been reclassified, meaning that some emissions previously classified under industrial & institutional buildings have been grouped under commercial buildings instead.
- Within the ECUK dataset, publication revisions have resulted in changes to the *distribution* of non-domestic energy consumption for all local authorities. The overall consumption data is, however, consistent.

Transport

- Updates to ECUK data have resulted in an average total reduction of 10% for petroleum use within rail. Rail transport emissions are a very small contributor to Southwark's overall footprint.

Waste

- Waste is now split between population when it is reported by unitary authority or county. As there have been changes in the distribution of waste away from landfilling across many local authorities, this is resulted in a reduction of emissions disproportionate to the change in waste volume. This has resulted in an average change of +6% change across the data set.
- Changes to source data on renewables means local generation changes are observed between years for many local authorities. The average change in this dataset is +66%. However, emissions totals in this category are very small, meaning the impact on the overall borough-wide total is also small.

APPENDIX 4: UPDATES TO SCATTER'S DATA & METHODOLOGY 2017-19

Changes within small emissions categories

Industrial Processes and Product Use (IPPU)

- Substantial changes are the result of improved BEIS industrial fuel consumption data by local authority. The average change in inventory entries is significant (+237%) but the overall emissions from this category are very small, so the impact on the borough-wide footprint is low.

Agriculture, Forestry & Other Land Use

- Land Use, Land Use Change & Forestry (LULUCF) source data from government/ Ricardo has been updated, with an average change across the dataset of -16%.
- DEFRA source data updates have resulted in changes to land use emissions.
- Livestock accounting method improvements have changed allocation rules between dairy & non-dairy cattle for regional authorities where granular data was not provided. Cattle data is now assigned per hectare area rather than straight split, causing an average change of +1%.

Energy Generation

- New power stations listed in local authorities have resulted in significant changes in local generation where relevant. BEIS has provided new data for power station locations some sites have been re-allocated to correct local authorities in the *Digest of UK Energy Statistics* (DUKES) datasets.
- Combined heat & power source data changes have impacted the percentage of fuel inputs from national averages (DUKES dataset 7.2), resulting in average change across the dataset of -1%.

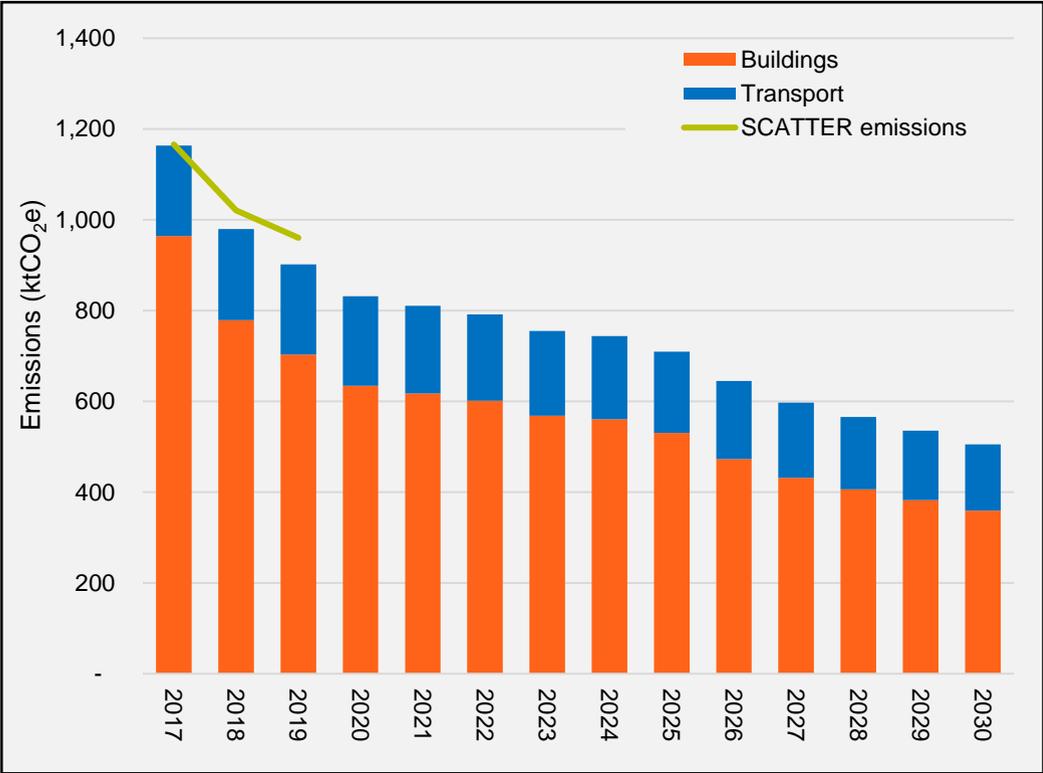
- Increased generation in some areas is also attributable to additional sites or increased capacity of existing sites, overall resulting in an average change of -12% across the dataset.

Glossary

- Business, Energy & Industrial Strategy (BEIS) – government department responsible for publishing data on emissions
- Department of Environment, Food & Rural Affairs (DEFRA) – government department responsible for publishing various activity data used in SCATTER emissions analysis
- Land Use, Land Use Change & Forestry (LULUCF) – net emissions from carbon “sinks” such as soils and trees
- Industrial Processes and Product Use (IPPU) – emissions from industrial practices such as mineral and chemical production
- Energy Consumption in the United Kingdom (ECUK) – Dataset which describes how energy is consumed across the UK in different sectors, such as in buildings or transport.
- Digest of United Kingdom Energy Statistics (DUKES) – Dataset which describes how energy is consumed across the UK in different sectors, such as in buildings or transport.

APPENDIX 5: PROGRESS AGAINST ENERGYPRO BASELINE SCENARIO

EnergyPRO “Business as usual” pathway overlaid with progress updates from SCATTER for 2018 and 2019. Note that some emissions included under BASIC categories are not included within EnergyPRO. The “Business as usual” scenario projects a 22% reduction in emissions in 2019 versus 2017 levels.



APPENDIX 6: HOMEWORKING EMISSIONS ASSESSMENT

Estimating emissions from staff commutes also includes consideration of home-working. This method accounts for the following:

- Electricity consumption from a lamp, monitor and laptop setup
- Gas consumption from additional heating of the home during the working day
- Seasonal variation in heating and lighting demand

Emissions can then be found by multiplying this additional demand by the relevant conversion factors. These calculations are shown in the tables below:

Source	Power rating (kW)	Usage (hr)	Emissions (kgCO ₂ e)
Lamp (Spring)	0.04	8	0.07
Lamp (Winter)	0.08	8	0.14
Laptop	0.05	8	0.08
Monitor	0.05	8	0.08
Heating (gas boiler, Spring)	35	2	12.82
Heating (gas boiler, Winter)	35	4	25.64

These figures represent one home-worker on one day. To estimate the annual emissions across all of the council's home-workers, we made assumptions on the number of front-line workers and the overall number of working days that council staff worked from home, after accounting for lockdowns and a hybrid working pattern.

The split between Spring and Winter days was taken as 50:50, given that lockdown periods matched almost exactly over those calendar months.

Period	Emissions (tCO ₂ e)		
	Electrical equipment	Heating	Total
Spring days	89	4,781	4,870
Winter days	114	9,562	9,676
Grand total	203	14,344	14,546

The resulting calculations estimate emissions on the scale of 15ktCO₂e from home-working during FY2020/21, due largely to the extensive lockdown periods.

However, this figure is based on very general assumptions of energy consumption in the home and would be very difficult to independently verify. Reporting home-working emissions alongside staff commutes is optional under the GHG Protocol and the above estimates have not been included in the full analysis given in Chapter 1 on this basis.

The council does not presently collect primary data for this activity, but in the future this could be done as part of a staff commute survey. As evidenced above, the major determinant in these emissions is the extent to which home workers heat their homes during the day (>98% of the total estimate). Gathering exact data is extremely challenging, given it relies on domestic meter readings during a very specific time of the day in the homes of council staff.

The extent to which the council can influence these emissions is also limited. For staff who live in the borough boundary, the emissions are categorized under borough-wide Scope 1 & 2 emissions anyway and are captured by SCATTER.

Disclaimer

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Strategy/Report	Next Planned Refresh Publication	Last Refreshed	Related AP Theme (key below)
Corporate Asset Management Plan	TBC	2021	B,C,D,E,L,M,N,O,P,U
New Southwark Plan Early Review	TBC	2022	A,B,C,D,E,L,N,P,Y
Housing Asset Management Strategy	July 2022	2021	B,C,D,E,L,M,N,O,P,U
Southwark Economic Wellbeing Strategy	September 2022	2017	M,O,Q,S,T
Southwark Economic Renewal Plan Sustainable Food Strategy	December 2022	2021	Q,R,S
Fairer Futures Procurement Plan – Social Value	Winter 2022	2019	U
Southwark Biodiversity Action Plan	Winter 2022	2020	V,Y,W,X,Y
Air Quality Action Plan	January 2023	2017	F,G,H
Flood Risk Management Strategy	March 2023	2018	V,X,Y
Movement Plan	Early 2023	2019	F,G,H,I,K,S,V
Heat networks strategy	2026 – in line with Asset Management Strategy	2021	D,E,L,M,N,P

Greener Buildings

- A. Introduce stronger planning rules to make sure all new developments meet high green standards, in both construction and use
- B. Buildings minimise their carbon emissions and maximise their energy efficiency
- C. Low-carbon technologies and practices are encouraged within the borough's buildings
- D. Decarbonise operational council buildings
- E. Decarbonise council housing

Active and Sustainable Travel

- F. Make cycling and walking easier
- G. Discourage the ownership and use of polluting private cars
- H. Improve public transport
- I. Reduce unnecessary journeys
- J. Cut down unnecessary flying & encourage offsetting flight emissions
- K. Decarbonise council travel

Renewable Energy

- L. Improve local renewable energy infrastructure
- M. Move towards green energy for businesses, residents and other organisations
- N. Tackle fuel poverty by promoting and providing accessible energy alternatives
- O. Reduce energy demand and cut energy waste
- P. Boost renewable energy

A Circular Economy with Green Jobs

- Q. Move toward a more circular economy
- R. Support more sustainable diets
- S. Greener businesses and supply chains
- T. Implement a Green New Deal
- U. Sustainable Operations and Procurement

Thriving Natural Environment

- V. Create greener streets with more planting
- W. Increase tree coverage across the borough
- X. Residents have greater access to nature
- Y. Building and development works alongside and enhances the natural environment
- Z. Defining an offsetting strategy for residual emissions



GENERIC EMERGENCY PLAN

**LONDON BOROUGH OF SOUTHWARK
Corporate Emergency Handbook #1**

CLASSIFICATION:

UNCLASSIFIED

Issue and Review Register

The council's Generic Emergency Plan will be reviewed annually by the Emergency Planning and Resilience Team.

SUMMARY OF CHANGES	ISSUE NUMBER	DATE
New issue	Issue 1	September 2005
General update and inclusion of business continuity information and the community risk register	Issue 2	
General update and inclusion of emergency support officers, mutual aid arrangements, updated mandate and specific contingency plans	Issue 3	August 2006
General review.	Issue 4	January 2008
Change of person details	Issue 5	August 2008
Complete review.	Issue 6	February 2012
Update and review. Addition of emergency scheme information.	Issue 7	February 2014
Update and review. Addition of emergency scheme information.	Issue 8	November 2016
Inclusion of JESIP principles. Updated links and contact details. Deleted command and control diagram	Issue 9	January 2017
Full re-evaluation of the Generic Emergency Plan to align with London EP 2020 and London local Authority Concept of Operations Plan.	Issue 10	July 2018
Addition of Silver handbook. Changes to SCG chair allocation of role.	Issue 11	June 2019
Annual review	Issue 12	January 2020
Review ahead of cabinet, pandemic considerations	Issue 13	June 2020
Annual review	Issue 14	January 2021
Review ahead of cabinet	Issue 15	June 2021
Annual review	Issue 16	January 2022
Review ahead of cabinet	Issue 17	May 2022

Exercise and Training Schedule

All staff undertaking roles within this plan will receive regular training on their roles. This plan will be exercised annually in accordance with the requirements under the Civil Contingencies Act, and accompanying guidance.

Records of training and exercising will be maintained by the Emergency Planning and Resilience Team.

All queries relating to this document should be directed to the Emergency Planning and Resilience Team, Chief Executives Department.

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1 INTRODUCTION

1.1 Aim

This document details how Southwark Council complies with the Civil Contingencies Act 2004 and sets the council's strategy for dealing with a broad range of incidents.

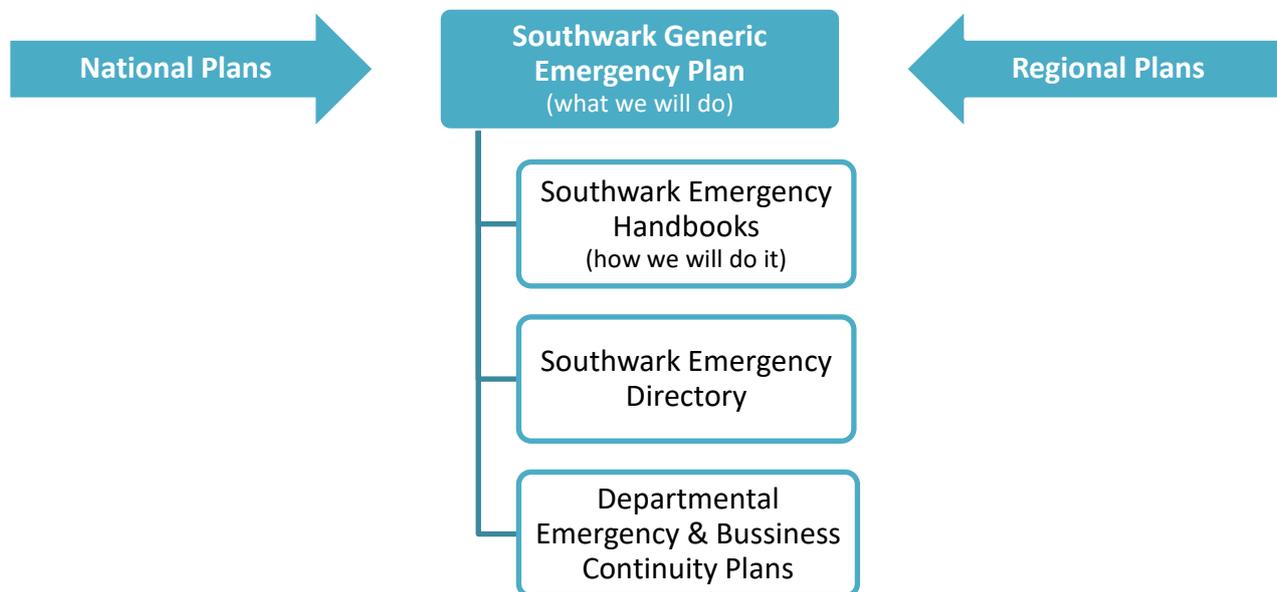
The council has clear legal and moral obligations to provide effective, robust and demonstrable emergency arrangements to mobilise its resources at short notice to deal with a broad range of incidents. This may be on a localised departmental level, where a simple out-of-hours activity is required, or on a much larger scale, where a multi-function response requires dedicated coordination, liaison and communication.

This document explains the structures in place to deal with emergency incidents in the borough that require a council response. The structures outlined in the plan are scalable depending on the nature of the response required.

1.2 Scope

The corporate Generic Emergency Plan is Southwark Council's published plan that brings together existing council Departmental Emergency and Business Continuity Plans, as well as linking with London-wide and national plans.

This document covers the operational requirements for Southwark Council only; and not the emergency arrangements for any other third party organisation, council or emergency service.



Underpinning the Generic Emergency Plan there are a series of internal Southwark Emergency Handbooks. These internal documents (referenced below #1 to #10) cover detailed operational procedures on how the council will respond to an incident, and are complemented by the Emergency Directory. Detailed operational procedures are not captured in the Generic Emergency Plan due to the complexity and occasional sensitive nature of the information contained therein.

GENERIC EMERGENCY PLAN
UNCLASSIFIED

Corporate Handbook #	DOCUMENT
#1	Generic Emergency Plan
#2	Local Authority Liaison Officer (LALO) Handbook
#3	Emergency Centre Manager (ECM) Handbook
#4	Borough Emergency Control Centre (BECC) Handbook
#4a	Borough Emergency Control Centre Set Up Instructions
#5	Council Gold Handbook
#5a	Council Silver Handbook
#6	London Local Authority Gold (LLAG) and Gold Support Team (GST) Handbook
#7	Corporate Business Continuity Handbook
#8	Recovery Handbook
#9	Borough Risk Register
#10	Councillors Handbook

Specific plans exist to deal with risks that may affect the borough. Examples include the pandemic flu plan, multi-agency flood plan, fuel shortage plan, animal health plan and the winter service plan.

The London Emergency Services Liaison Panel (LESLP) publishes a Major Incident Procedure Manual setting out these key responsibilities. The current version of the manual can be accessed from the LESLP web site

[LFB Letter \(london.gov.uk\)](https://www.london.gov.uk/leisure-and-recreation/leisure-and-recreation/leisure-and-recreation)

The emergency response arrangements of the council are aligned with the principles of the Joint Emergency Services Interoperability Programme (JESIP)

[JESIP - Working together, Saving Lives](https://www.jesip.gov.uk/)

The London Local Authorities Concept of Operations for Emergency Response and Recovery Document (CONOPS) sets out how London's Local Authorities support their communities and partner organisations in the response to and recovery from an 'emergency', as defined in the Civil Contingencies Act 2004.

The London Local Authorities Concept of Operations can be accessed via Resilience Direct [Guidance and Protocols \(resilience.gov.uk\)](https://resilience.gov.uk)

2 ROLE OF THE COUNCIL

2.1 Civil Contingencies Act

Under the Civil Contingencies Act 2004 (CCA), as identified as a Category 1 responder, the council has seven responsibilities. The council abides by these duties through the Emergency Planning and Resilience Team.

Category 1 responders are the core responders which consist of the emergency services (Police, Fire Brigade and Ambulance), Environment Agency, Local Authorities and Port Authority.

Category 2 responders are the cooperating agencies which include transport providers, Health and Safety Executives and utility companies.

All Category 1 and 2 responders adhere to the same command and control arrangements as defined in the London emergency services liaison panel (LESLP) major incident procedure manual. This ensures that all partner agencies work to the same structure and communicate with each other at the equivalent levels.

Under the CCA, all Category 1 responders are required to:

- Assess the risk of emergencies occurring and use this to inform contingency planning
- Put in place emergency plans
- Put in place Business Continuity Management arrangements
- Put in place arrangements to make information available to the public about civil protection matters and maintain arrangements to warn, inform and advise the public in the event of an emergency
- Share information with other local responders to enhance coordination
- Cooperate with other local responders to enhance coordination and efficiency

Additionally, the council has responsibility to provide advice and assistance to businesses and voluntary organisations about business continuity management.

Further information on our duties under the Act can be found here:

[Preparation and planning for emergencies: responsibilities of responder agencies and others - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/guidance/preparation-and-planning-for-emergencies-responsibilities-of-responder-agencies-and-others)

As set out in the Act, cooperation and coordination is extremely important in preparedness, response and recovery. The council predominantly does this through the Borough Resilience Forum (BRF). This statutory forum meets quarterly and includes representatives from the emergency services, voluntary sector, utilities, transport, health and businesses.

2.2 Risks

Under the Civil Contingencies Act 2004, all Category 1 responders must contribute to and update a Community Risk Register, which assesses the risks within the community and

the likelihood of them occurring. The London Community Risk Register is maintained and administered on behalf of all London local authorities by the London Resilience Group and may be found at:

[London Risk Register | London City Hall](#)

The local borough community risk register is maintained and administered by the Emergency Planning and Resilience team. It can be accessed by the Resilience Direct website.

[03. Risk Management \(resilience.gov.uk\)](#)

A link to the public version of the Southwark community risk register can be found on the council website:

[Specific hazards or events - Southwark Council](#)

2.3 Warning and Informing Arrangements

Category 1 responders under the Civil Contingencies Act 2004 are required to maintain arrangements to warn the public if an emergency is likely to occur or has occurred. The council has a specific communications plan in place for this.

The council provides advice on steps that everyone can take to prepare for emergencies on the Southwark website, including a public guidance document titled 'My Emergency Plan':

[Be prepared - Southwark Council](#)

2.4 Identification of Vulnerable People

Southwark Council has a responsibility to ensure the economic, social and environmental well-being of our community. In emergencies, the council supports the emergency services in mitigating effects by coordinating the provision of welfare support to the community and taking the leading role in the recovery process. The council can support category 1 responders in an emergency by:

- Accessing information to identify known vulnerable people and to process the data into a useable format for multi-agency responders
- Working with multi-agency partners to identify all vulnerable people depending on the type of incident
- Sharing relevant information with other responders and relevant stakeholders.

2.5 Community Engagement and Cohesion

During and emergency event and subsequent recovery, the council has a key role in community engagement. This includes, but is not limited to, operational services with direct engagement in community matters, local elected councillors, Members of Parliament and, indirectly, through the plethora of voluntary agencies, charities and faith communities with whom the council liaises on a daily basis and all of which have key roles to fulfil in the

incident management process. Engagement with relevant key stakeholders should commence at the earliest opportunity, often during the response phase of the incident, to ensure a coordinated and consistent approach.

This engagement leadership and coordination is especially important in times of large scale incidents that cause community disruption. The council will access and utilise existing relationships and systems that allow the council and its partners to act quickly and coherently to reduce, control or mitigate the impact of disturbances on community cohesion when they occur.

During and emergency incident or an event that involves the activation of our business continuity arrangements elected members have a crucial role to play in utilising their local contacts and engaging with the community. Specific local Information can be found in our own guidance for elected members in the Councillors Handbook #10, the Emergency Planning and Resilience Team have copies.

Further information can be found in the publication “A Civil Resilience Handbook for Councillors in London Local Authorities” published by London Councils:

[Civil Resilience Handbook for London Councillors | London Councils](#)

2.6 Business Continuity Planning and Resilience

To complement the council’s capability to respond to emergencies and in compliance with relevant legislation, the council has its own business continuity arrangements in place ensuring that it can continue to provide its core services during an emergency or incident.

The council also promotes business continuity planning and provides advice to local businesses.

[Emergencies - Southwark Council](#)

3 COMMAND AND CONTROL

3.1 Procedures for Activation

An initial notification requiring the council to consider the deployment of the emergency arrangements may come from an internal or external source. Notifications are made via the 24-hour Customer Service Centre (CSC) number **0207 525 5000**, or via a Category 1 responder and in some circumstances directly to the duty LALO.

3.2 Triggers for Activation

The Generic Emergency Plan may be activated as a direct response to an event, or as a proactive measure to prevent or reduce the effects of a 'rising tide' incident.

The following is a guide as to whether or not the council will consider activating its plan to respond to an emergency:

- An event where the council is obliged to provide a direct service or services to mitigate its effects
- An event where the council may wish to take an interest in the mitigation process by a third party, providing support where required
- An event where the council would contribute to a multi-agency response to a civil event
- An event where assistance has been specifically requested by the emergency services or other public body

3.3 Emergency Response Responsibilities

The council's primary role during an incident or emergency in the borough is:

- To assess, mobilise, manage and coordinate the relevant resources and technical services of the council in response to the emergency, to support the community and residents, and to assist in the emergency response
- To provide specialist care or humanitarian services in the event where people have been displaced or affected by an emergency
- To assess, agree, assist and lead on the implementation of a recovery strategy with all key stakeholders
- To ensure that as far as reasonably practical, day-to-day critical services are maintained

3.4 General Command and Control Structure

There are three levels of command and control – strategic (gold), tactical (silver) and operational (bronze).

Strategic level (Gold) is responsible for formulating the strategy for the incident and has overall command of resources of their own organisation. (e.g. Council Gold)

Tactical level (Silver) is in charge of devising the tactics to achieve the overall strategy set out by Gold. Council Silver will usually work from the Borough Emergency Coordination Centre to direct the council's response.

Operational level (Bronze) is responsible for controlling and deploying resources of their respective organisations to deliver the tactics set out by Silver. (e.g. Emergency Support Officer and Emergency Centre Manager).

3.5 Emergency Scheme

On-call Arrangements

The council has trained personnel to fulfil its duties under the Civil Contingencies Act (2004) and to respond to incidents out of hours.

The emergency scheme rota consists of a senior manager designated as local authority "Silver", a Local Authority Liaison Officer (LALO), an Emergency Support Officer (ESO) and an Emergency Centre Manager (ECM) being on-call at any one time.

There is also a cohort of council staff trained to operate within the Borough Emergency Control Centre or Emergency Centres as required. These roles are on a voluntary basis, contact details for all volunteers are held in the emergency directory.

Gold (Strategic)

The role of Council Gold is to give clear strategic direction throughout the response phase and take the lead in the recovery process, working towards the restoration of normality.

The council Gold chairs a group who should:

- Assess and advise on the impact to corporate policies, strategic considerations, political management and reputation of the council as a result of the emergency and its effects
- Set the strategy for the council's response and make resources available to respond to the incident
- Confirm with the Silver/BECC manager the agreed strategy together with appropriate mitigation steps that may be taken
- Set the internal and external communications strategy
- Consider and prepare for immediate and longer-term scrutiny and questioning, such as possible press conferences and enquiry panels
- Establish, monitor and review the Recovery Working Group and its priority work streams
- Ensure representation at multi-agency Gold groups
- Decide to request / approve mutual aid
- Determine whether to escalate to London Local Authority Gold (LLAG)
- Maintain regular communications with the BECC, and the LLAG if required.

Further information on Council Gold can be found in the Council Gold Handbook #5.

Silver (Tactical)

Silver is the tactical manager for the local authority response to the incident. The officer determines the best way to achieve the strategic priorities as determined by Council Gold. Silver should:

- Implement the strategic aim and objectives for the council response as directed by Gold
- Determine and monitor the response and resources as set out in the aim and objectives
- Assess, agree and implement a recovery strategy with Gold and key stakeholders
- Ensure that the BECC fulfils its mandate
- Ensure that Council Gold, strategic directors, members and other senior stakeholders are appropriately briefed regarding the emergency, the council's response and the longer-term issues.
- Line manage the BECC team, ensuring team working and welfare breaks and shift change
- Participate in a debrief post-event
- Nominate an individual to manage the BECC inbox and assign work

Further information on Council Silver can be found in the Council Silver Handbook #5a.

Local Authority Liaison Officer (LALO)

LALOs have delegated authority from the Chief Executive, allowing them to act as the initial council on scene Silver, to escalate and activate the emergency scheme at the appropriate level, mobilise council resources as necessary and make decisions on behalf of the council.

The LALO's responsibilities include:

- Providing 24-hour cover
- Assessing, mobilising, managing and coordinating council resources in response to an emergency for a level 2 or 3 response
- Maintaining the provision of information, liaison and advice to all public, political and emergency scheme stakeholders during the course of the emergency
- Line managing the departmental responders
- Assessing, agreeing and implementing a recovery strategy with all relevant council departments and key stakeholders
- Recording all relevant details of the incident and submitting a report following the closure of the incident

Depending on the circumstances, the LALO may be on-site at the incident and attend on scene tactical meetings. Alternatively, the LALO can carry out the duties remotely.

Further information can be found in the LALO Handbook #2.

Emergency Support Officer (ESO)

The primary role of the ESO is to provide support and assistance to the LALO, and / or the Emergency Centre Manager as required. This could include making / receiving phone calls, log keeping, procuring additional emergency centre essentials, supporting the Emergency Centre Manager at the Emergency Centre and other tasks as delegated by the LALO.

If a BECC is required, it may be the ESO's role to establish and manage the BECC. Further instructions can be found in the BECC Handbook #4.

If the Chief Executive is deployed as the London Local Authority Gold, the ESO may be required to deploy in a supporting role, to the same location. Further information can be found in London Local Authority Gold and Gold Support Team Handbook #6.

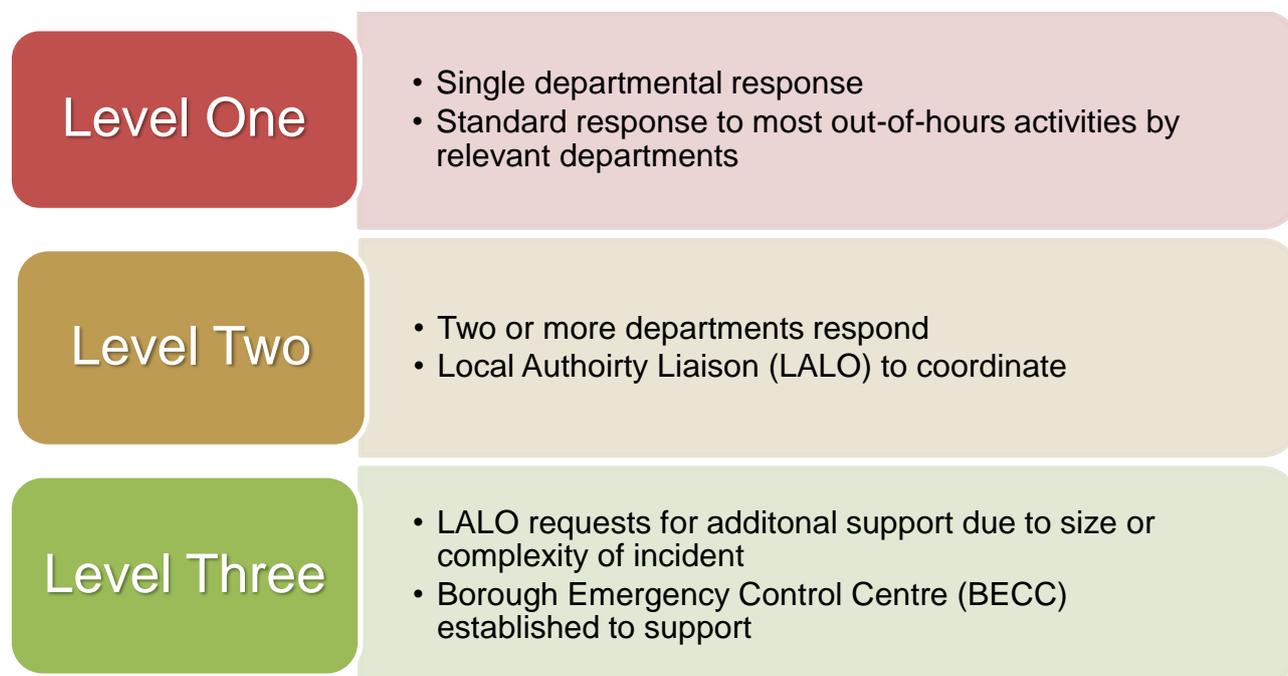
Emergency Centre Manager (ECM)

The overall responsibility for setting up, operating and closing an emergency centre lies with the duty ECM. More information can be found in the Emergency Centre Manager Handbook #3.

3.6 Emergency Scheme Structure

Response Levels

The council's emergency scheme can be deployed at three different levels, depending on the initiating event or a subsequent assessment.



Level 1 Response

This is the standard response to most out-of-hours activities conducted by the relevant departments, as defined in their own departmental plans.

The LALO is not usually activated for this, although the duty LALO should be contacted if:

- A Level 1 response has the potential to escalate to a Level 2
- There is any doubt as to which level of response is required.

Level 2 Response

This response will be required when:

- Two or more departments have responded to the same incident
- A direct request has been made by the emergency services or the council for the LALO to attend an incident
- If, for any reason, the LALO needs to be alerted as a precautionary measure or for emergency advice

Level 3 Response

This may be deployed as a result of a major incident being declared by the emergency services, if the direct response to the incident warrants the enhanced level of support, a national crisis, or as a proactive measure in case of event escalation.

Level 3 underpins a full multi-departmental response, usually with a dedicated Borough Emergency Silver operating from the Borough Emergency Coordination Centre (BECC) coordinating all activities in the council's response.

In a level three response, Council Gold would be activated in order to give clear strategic direction and take the lead in the recovery process.

3.7 BECC

The BECC provides a central location to coordinate the council for response, situation awareness, information gathering and decision making.

The primary Borough Emergency Coordination Centre is located in the Tooley Street Offices. A secondary or fall-back facility is located in the Queens Road council offices.

In the event that council buildings are inaccessible, such as during a pandemic, the BECC can be operated remotely.

The BECC can be activated by the duty LALO, duty Silver, the Chief Executive or any of the emergency planning team in response to intelligence on an incident.

BECC activation can be initiated by the London Local Authority Coordination Centre (LLACC) to support a major incident in London.

Further instructions on BECC operations can be found in the BECC Handbook #4.

4 LONDON-WIDE ARRANGEMENTS

The London Resilience Group coordinates and acts as support to all borough Emergency Planning Teams. In addition, a separate team, known as the Resilience Support Team provides additional specialist functions and support.

4.1 London Local Authority Gold (LLAG)

All London Local Authority chief executives, are on an annual rota for London Local Authority Gold, this ensures that there is always a strategic decision maker available to support any incident across London.

The LLAG is supported by the LLACC.

4.2 London Local Authority Coordination Centre (LLACC)

The majority of incidents are dealt with within the council through local arrangements, however if the incident is larger than the councils resources, or the incident has an impact on more than one council, the London Local Authority Coordination Centre (LLACC) is activated. The LLACC is operated by London Resilience to provide a strategic view across London, and to support the LLAG.

4.3 Mutual Aid

A London-wide Memorandum of Understanding (MOU) is in place for mutual aid. The MOU provides for participating authorities to endeavour to provide assistance to another participating local authority in the form of provision of personnel and/or equipment in the event of, or in the reasonable anticipation of, an emergency or other disruptive or rising tide incident when asked to do so. The local authority requesting aid will undertake to reimburse the local authority providing it on a cost recovery basis. This mutual aid can be arranged between the boroughs or via the LLACC.

4.4 British Red Cross

A MOU is in place between the Resilience Support team and British Red Cross (BRC). This means that all London local authorities can request humanitarian support at any time. The BRC can provide a range of functions and specific support in establishing and supporting the council at emergency centres.

5 RECOVERY / RENEWAL

Recovery management encompasses the physical, social, psychological, political and financial consequences of an emergency. The council takes the lead on the recovery phase undertaking activities that will provide as rapid a return to normality as possible for the community and responders.

The recovery phase is formally established by the Chief Executive or the nominated Council Gold once the situation has been stabilised, however recovery working should start as soon as possible.

The Chief Executive or nominated deputising Strategic Director will be the lead of the recovery process and convene a Recovery Management Group (RMG). Several sub-groups will be convened underneath the RMG as needed, such as a Humanitarian Assistance Group or Business Recovery Group. In the case of any significant event, some services may not return to their original state and the return to normality may be classified as renewal.

The LLACC/London Resilience Group may support the recovery process.

The RMG sits, at decreasing frequency, until the point at which recovery management has passed entirely to 'business as usual' activities. Compared with the response phase, which may last a matter of hours or days, the recovery/renewal phase may last months or years.

Further guidance is contained within the Recovery Handbook #8.

6 POST INCIDENT

6.1 Stand Down Procedure

As and when it is clear that the emergency phase is winding down and recovery can be placed in to business as normal processes, initiating the standing down of the emergency response will be considered.

Stand down will be agreed and planned with other emergency responders and with council departments involved in the response. Suitable stand down actions will be identified and monitored as they are undertaken.

6.2 Debriefing

The council will undergo an internal debrief process as soon after the incident as possible in order to identify issues and lessons from the response.

Full participation in the debrief process at all levels will be encouraged.

The debrief report will be shared with relevant internal and external stakeholders. Any recommendations and lessons learnt will be forwarded to relevant officers and teams to action. Emergency Planning Team will maintain a log of recommended actions and completion.

The council will also fully participate in any multi-agency debrief.

ANNEX 1 : ACRONYMS

ACRONYM	WHICH STANDS FOR...	WHICH MEANS....
ABECC	Alternative Borough Emergency Control Centre	Back-up control centre at Queens Road
BECC	Borough Emergency Control Centre	The location at which the council response to a level three incident is managed
BT	British Telecom	Utilities company. Category two responder.
BTP	British Transport Police	Responsible for policing the railways and the London underground. One of London's three police forces.
BRC	British Red Cross	Volunteer organisation
CCA	Civil Contingencies Act (2004)	Council has duties under the act as a category 1 responder
COLP	City Of London Police	Responsible for policing within the city of London – "the square mile". One of London's three police forces.
CONOPS	Concept of Operations for Emergency Response and Recovery	Guidance provided by London Resilience on London Emergency Planning & Response
CSC	Customer Service Centre	Council public facing line
EDO	Emergency Duty Officer	Out of hours call centre operative. Activates the LALO on receipt of a message from the emergency services.
EPRT	Emergency Planning and Resilience Team	Maintains and coordinates the emergency scheme and the council's readiness to respond.
ESO	Emergency Support Officer	On call officer as part of Southwark Council's emergency scheme. Supports the LALO at the scene of the incident. Extra pair of hands, eyes and ears.
FCP	Forward Control Point	Co-location point at the scene of an incident of commanders from each agency. Location at which the Silver meetings would take place.
FFRC	Friends And Family Reception Centre	A place for friends and family of those involved in the incident to gather. Run by the police but may require local authority assistance.
GCG	Gold Coordinating Group	The multi-agency Gold group who would convene at a nominated location to determine the strategic response to the emergency. Also known as SCG.
GIS	Geographic Information System	Software used for mapping purposes.
GST	Gold Support Team	Team activated to support Gold
GSST	Guys and St Thomas's Trust	NHS Foundation trust located in Southwark and Lambeth
HAC	Humanitarian Assistance Centre	A centre set up post incident to provide support and assistance to those who have been affected by a regional (pan London)

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ACRONYM	WHICH STANDS FOR...	WHICH MEANS....
		emergency. Can also be used for taking witness statements post event.
ICP	Incident Control Point	Used by LFB to denote location of incident command function. See also FCP
JESIP	Joint Emergency Services Interoperability Principles	Principles to ensure joint working between multi-agency partners
LALO	Local Authority Liaison Officer	On call officer as part of Southwark Council's emergency scheme. Has delegated authority from the Chief Executive; responds to the scene of the incident, liaises with the emergency services at the Silver level and coordinates the resources of the council
LAS	London Ambulance Service	NHS Ambulance service located in London
LBS	London Borough Of Southwark	Southwark Council
LESLP	London Emergency Services Liaison Panel	London based body which meets quarterly and determines and agrees multi agency major incident procedures and protocols. Includes representatives of emergency services, local authorities and others.
LFB	London Fire Brigade	Responsible for emergency response to fires and other incidents in London.
LLACC	London Local Authority Coordination Centre	Coordinates the communication, activity and resources between the LLAG and all 33 London local authorities. Run by London Fire Brigade Emergency Planning and based at Merton.
LLAG	London Local Authority Gold	A single London local authority chief executive who would represent all London local authorities within the GCG in response to a pan London emergency. As part of a rota.
MPS	Metropolitan Police Service	Responsible for policing in 32 London Boroughs (not the City of London). One of London's three police forces.
PPE	Personal Protective Equipment	Issued to emergency responders to ensure their protection against hazards and inclement weather.
RD	Resilience Direct	Online portal for plans and documentation. Used by LLACC in a response
ECM	Emergency Centre Manager	On call officer as part of Southwark Council's emergency scheme. Responsible for setting up, operating and closing a council run emergency centre
RMG	Recovery Management Group	Recovery Group activated and led by the Chief Executive
RVP	Rendezvous Point	Location to which emergency services vehicles should head initially for the response.
SCC	Strategic Coordination Centre	The location at which the GCG / SCG convenes.
SCG	Strategic Coordinating Group	The multi-agency Gold group who would convene at a nominated location to determine

GENERIC EMERGENCY PLAN
UNCLASSIFIED

ACRONYM	WHICH STANDS FOR...	WHICH MEANS....
		the strategic response to the emergency. 'Also known as GCG.
SCGC	Strategic Coordination group chairs	Local authority chief executives that chair the SCG
SPOC	Single Point of Contact	Normally the LALO, however it is good practice to have one contact for organisations to contact the council in a response
SuRC	Survivor Reception Centre	A place for survivors to be gathered together for evidence gathering / support providing purposes. Run by the police but may require local authority assistance.
TfL	Transport for London	Transport operator. Category two responder.

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Tustin Estate Regeneration: Equality and Health Impact Assessment

21 March 2022



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Agenda Item 17

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Tustin Estate Regeneration: Equality and Health Impact Assessment

21 March 2022

Issue and Revision Record

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Executive summary

Overview of the commission

Mott MacDonald has been commissioned by Southwark Council to undertake an Equality and Health Impact Assessment (EHIA) of the improvement programme (“the Programme”) for Tustin Estate, in the London Borough of Southwark.

Summary of the EHIA

The EHIA process is focussed on the potential effects, including health effects, likely to be experienced by those living and working in the community in light of their ‘protected characteristics’ under the Equality Act 2010. It identifies any differential or disproportionate effects (both positive and negative) on those with protected characteristics that may arise from the Programme and sets out potential mitigation or enhancement measures that the Council can put in place to address them.

This EHIA presents summary equality and health findings for the ‘Hybrid’ Planning Application of the Estate, which has progressed following a vote on the outline masterplan by residents in a ballot held in February 2021.

‘Hybrid’ Planning Application is set out in more detail in Table 2.2 in Chapter 2.

Findings

The process of research and analysis for this ‘Hybrid’ Planning Application EHIA has identified several impacts that could arise from the renewal programme, split into three broad categories: potential impact on residents and community resources during renewal; potential impact on businesses during renewal; and potential impact on the community following the renewal process.

The assessment considers the impacts of the renewal process—particularly the impact on residents and businesses. The assessment also explores the impact of the delivery of the renewed Estate on the current and future Estate community. The table below sets out findings from the assessment. Potential impacts in the first column have been identified through a review of published literature, the scope of which is based on an understanding of the context and proposed activities associated with the Estate redevelopment.

Assessment of equality effects has been undertaken in light of the characterisation of the effects –including sensitivity of the affected parties to the renewal, distribution of those groups on the Estate, nature of the effect and mitigation measures in place to address the effect. This includes reference to COVID-19 where relevant. Recommendations have been made for addressing any potential residual effects on these groups.

The assessment found that the regenerated Estate has the potential to provide improved living conditions, housing quality, accessibility, public realm and community facilities. This, coupled with the majority vote in the February 2021 ballot for the redevelopment to go ahead means there is a compelling case in the public interest for the redevelopment. Whilst this must be weighed against the acknowledged potential risks, the Council has sought to mitigate these through a range of reasonable and proportionate measures focused on engagement, rehousing assistance and compensation options in order to improve the outcomes of the redevelopment for the current and future Estate community.

1 Introduction

This 'Hybrid' Planning Application EHIA outlines the findings of the impact assessment for the chosen renewal option and provides recommendations for mitigation and further enhancement where appropriate.

This chapter sets out the purpose and scope of the 'Hybrid' Planning Application Equality and Health Impact Assessment (EHIA) of the improvement programme ('the Programme') of Tustin Estate, in the London Borough of Southwark. The chapter also sets out requirements of the Equality Act 2010 ('the Equality Act'), the approach to EHIA, and tasks undertaken throughout this process.

1.1 Purpose of the EHIA

The purpose of the EHIA is to help Southwark Council ('the Council') understand the potential risks and opportunities of the illustrative masterplan of the chosen renewal option, with a particular focus on people with characteristics protected under the Equality Act and the health of the local population (including on health inequalities).

Protected characteristics include the following (as defined by the Equality Act):¹ age, disability, gender reassignment, marriage and civil partnership, pregnancy and maternity, race, religion and belief, sex, and sexual orientation.

This 'Hybrid' Planning Application EHIA outlines the findings of the impact assessment for the chosen renewal option and provides recommendations for mitigation and further enhancement where appropriate.

1.2 The Equality and Health Impact Assessment

This 'Hybrid' Planning Application EHIA sets out the key potential equality and health impacts of the chosen renewal option for Tustin Estate. The approach to this report includes components of both Equality Impact Assessment (EqIA) and Health Impact Assessment (HIA).

1.2.1 Equality Impact Assessment

1.2.1.1 The Public Sector Equality Duty

This EHIA has been undertaken as part of a process supporting the fulfilment of the Council's obligations under current UK equality legislation, and in particular the Equality Act. The Equality Act sets out a Public Sector Equality Duty (PSED), at section 149 and is set out in Figure 1.1 below.

Figure 1.1: Article 149 of the Equality Act: The Public Sector Equality Duty

- (1) A public authority must, in the exercise of its functions, have due regard to the need to—
- (a) eliminate discrimination, harassment, victimisation and any other conduct that is prohibited by or under this Act;
 - (b) advance equality of opportunity between persons who share a relevant protected characteristic and persons who do not share it;
 - (c) foster good relations between persons who share a relevant protected characteristic and persons who do not share it.
- (2) A person who is not a public authority but who exercises public functions must, in the exercise of those functions, have due regard to the matters mentioned in subsection (1).
- (3) Having due regard to the need to advance equality of opportunity between persons who share a relevant protected characteristic and persons who do not share it involves having due regard, in particular, to the need to—
- (a) remove or minimise disadvantages suffered by persons who share a relevant protected characteristic that are connected to that characteristic;
 - (b) take steps to meet the needs of persons who share a relevant protected characteristic that are different from the needs of persons who do not share it;
 - (c) encourage persons who share a relevant protected characteristic to participate in public life or in any other activity in which participation by such persons is disproportionately low.

Source: Equality Act 2010

The PSED is intended to support good decision-making. It encourages public authorities such as the Council to understand how different people will be affected by their activities. This means services and policies are appropriate and accessible to all and meet different people's needs. The Council must demonstrate that it has shown due regard to the aims of the PSED throughout the decision-making process to deliver the Programme. The process used to do this must take account of the protected characteristics which are identified below in section 1.1.1.1.

¹ Government Equalities Office/Home Office (2010): 'Equality Act 2010' Available at: www.legislation.gov.uk

1.2.1.2 Protected characteristics

An EqIA provides a systematic assessment of the likely or actual effects of policies or proposals on social groups with the following protected characteristics (as defined by the Equality Act):²

Protected characteristic	Equality and Human Rights Commission (EHRC) definition
Age	A person belonging to a particular age (for example 32-year olds) or range of ages (for example 18 to 30-year olds).
Disability	A person has a disability if she or he has a physical or mental impairment which has a substantial and long-term adverse effect on that person's ability to carry out normal day-to-day activities.
Gender reassignment	The process of transitioning from one gender to another.
Marriage and civil partnership	Marriage is a union between a man and a woman or between a same-sex couple. Couples can also have their relationships legally recognised as 'civil partnerships'. Civil partners must not be treated less favourably than married couples (except where permitted by the Equality Act).
Pregnancy and maternity	Pregnancy is the condition of being pregnant or expecting a baby. Maternity refers to the period after the birth, and is linked to maternity leave in the employment context. In the non-work context, protection against maternity discrimination is for 26 weeks after giving birth, and this includes treating a woman unfavourably because she is breastfeeding.
Race	Refers to the protected characteristic of race. It refers to a group of people defined by their race, colour, and nationality (including citizenship) ethnic or national origins.
Religion and belief	Religion has the meaning usually given to it but belief includes religious and philosophical beliefs including lack of belief (such as Atheism). Generally, a belief should affect someone's life choices or the way they live for it to be included in the definition.
Sex	A man, woman or non-binary person.
Sexual orientation	Whether a person's sexual attraction is towards their own sex, the opposite sex or to both sexes.

An EqIA does this through the following approaches:

- Assessing whether one or more of these groups could experience disproportionate effects (over and above the effects likely to be experienced by the rest of the population) as a result of the proposed renewal option. An EqIA includes examining both potential positive and negative effects.
- Identifying opportunities to promote equality more effectively.
- Developing ways in which any disproportionate negative effects could be removed or mitigated to prevent any unlawful discrimination and minimise inequality of outcomes.

1.2.1.3 Assessing equality impacts

While the PSED does not specify a particular process for considering the likely effects of policies, programmes and projects on different sections of society for public authorities to follow, this process is usually undertaken through some form of equality analysis, which can include EHIA's.

Undertaking an EHIA helps to demonstrate how a public authority is complying with the PSED by:

- providing a written record of the equality and health considerations which have been taken into account;

- ensuring that decision-making includes a consideration of the actions that would help to avoid or mitigate any negative impacts on particular protected groups; and
- supporting evidence-based and more transparent decision-making.

By understanding the effect of their activities on different people, and how inclusive delivery can support and open opportunities, public bodies can be more efficient and effective. The EHIA process therefore helps public bodies to deliver the Government's overall objectives for public services.

1.2.1.4 Local Planning Policy

As well as meeting the requirements of the Equality Act (see section 1.2), the following local planning policy and strategy documents have a bearing on this assessment'

Southwark Plan 2022 Policy

- SP2 Southwark Together
- SP5 Thriving Neighbourhoods and tackling health inequalities
- P1 Social rented and intermediate housing
- P7 Housing for older people
- P8 Wheelchair accessible and adaptable housing
- P33 Business relocation
- P47 Community uses
- P65 Improving air quality

London Plan 2021 Policy

- GG1 Building strong and inclusive communities
- GG3 Creating a healthy city
- SD1 Opportunity areas
- SD10 Strategic and local regeneration
- T2 Healthy Streets

² Government Equalities Office/Home Office (2010): 'Equality Act 2010'. Available at: www.legislation.gov.uk

1.2.2 Health Impact Assessment

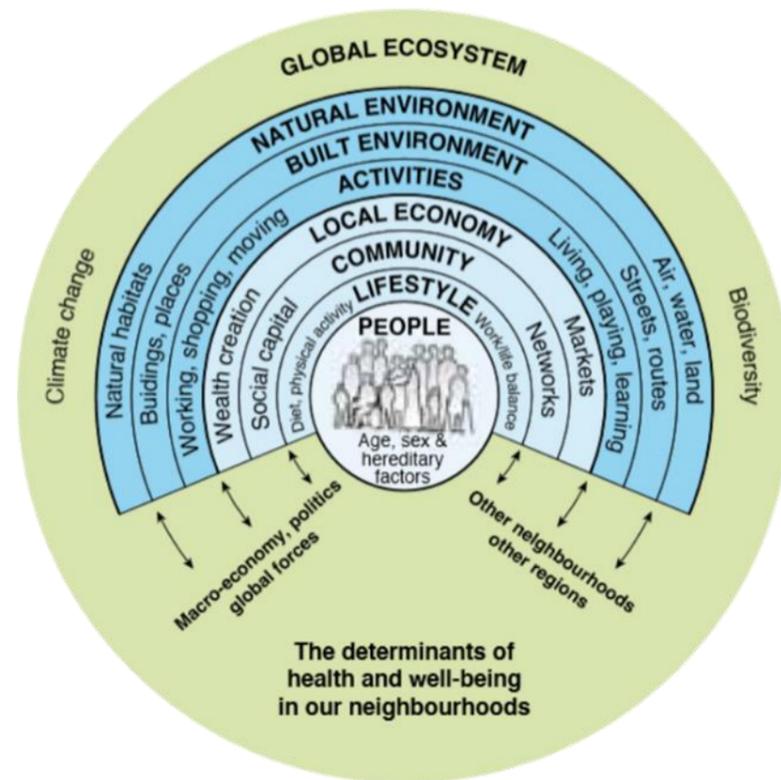
1.2.2.1 Assessing health impacts

Health as a component of the EHIA will focus on assessing whether certain sections of the population (based on the protected characteristic groups defined above) will experience health impacts disproportionately or differentially when compared to other sections of the population. The HIA component of this assessment identifies potential health risks and opportunities associated with the renewal option, focussing on key health aspects of the regeneration process (e.g. relocation, construction effects) and how this intersects with health inequalities. The mitigations Southwark has in place to prevent adverse effects on health for vulnerable sections of society are also outlined.

1.2.2.2 Determinants of health

The approach to the HIA aspect of this report uses the World Health Organization's (WHO) definition of health as a 'state of complete physical, mental and social well-being and not merely the absence of disease or infirmity'. Health inequity (avoidable differences in health) was considered, introducing a notion of fairness. The figure below highlights the determinants of health in a community context.

Figure 1.2: Determinants of Health



Source: Barton and Grant (2006) The health map, based on a public health concept by Whitehead and Dahlgren, The Lancet 1991. Department for Health (2010) Health impact assessment of government policy

1.3 Overall approach to the EHIA

The approach to EHIA employs the bespoke Mott MacDonald INCLUDE toolkit, which sets out the following steps:



1.4 Tasks Undertaken

The 'Hybrid' Planning Application EHIA is the third EHIA produced, aligned with the decision-making process on the Estate.

The Initial EHIA comprised a series of tasks undertaken to understand the equality and health effects of the original five scenarios put forward for the renewal of the estate. Once potential effects were identified, they were assessed against the renewal scenario. The initial EHIA was used to inform the residents ahead of the initial ballot in September 2020.

The Final Option EHIA was intended to provide further detail and analysis on the Final Option that was selected by residents and being taken forward by Southwark Council.

This 'Hybrid' Planning Application considers to the updates to provides updated detail and analysis of the final chosen masterplan for the renewal .

Within the steps above, the following tasks were undertaken to deliver the assessments:

1.4.1 Understanding the project

Discussion with Southwark Council: Initial discussions were undertaken with the Council to gain a better understanding of the Estate and the approach to the Programme. A further discussion was undertaken prior to beginning the EHIA of the 'Hybrid' Planning Application to receive an update on the Programme.

Estate walkover: A visit to the Estate was undertaken in December 2019. The visit included a viewing of the low-rise blocks on the Estate: Ullswater House, Hillbeck Close, Heversham House, Kentmere House, and Manor Grove; Pilgrims Way Primary School; and the Tustin Community Centre.

Review of renewal proposals: A review of documentation associated with the renewal, planned mitigation measures and impacts on residents was undertaken on an ongoing basis, as it was produced. This was repeated for the Final Option and 'Hybrid' Planning Application Option.

1.4.2 Evidence, distribution, and proportionality

Initial desk-based evidence and literature review: In order to better understand the potential risks and opportunities arising from the redevelopment, and to help to identify possible mitigation measures and opportunities associated with the programme, relevant published literature from governmental, academic, third sector and other sources were reviewed and updated throughout all EqlA stages. This allowed for the characterisation of potential risks and opportunities typically associated with estate regeneration and relocation, to understand whether they applied in this instance.

This process was repeated for the 'Hybrid' Planning Application EHIA, to update the literature and capture any potential new effects.

Demographic analysis of the Estate and surrounding area: A social and demographic profile of Tustin Estate was collated using publicly available data and compared to wider social and demographic data for Southwark, London and England. This work was undertaken in the baseline stage and updated in subsequent stages to reflect newly available data.

1.4.3 Engagement and analysis

Residents Project Group meetings: The EqlA team participated in three Residents Project Group (RPG) meetings between December 2019 and February 2020 to provide ongoing background, information and updates on the EHIA process and findings. Input to the EHIA from the RPG was provided through this process.

Drop-in events: Presented the EHIA process and findings at a design options drop-in event in February 2020 and a final options drop-in event in March 2020 to provide the wider Estate community with information about the EHIA, gather feedback on how they felt the proposals would affect them and help them understand the differences between the options from an equality and health perspective.

Youth session: Provided input to a youth session run by Common Grounds (the architects commissioned to design the options) and reviewed the engagement summary. It was important to engage youth in this process as, while typically affected by activities concerning regeneration and community planning, they are often under-engaged in mainstream consultation activities. This youth session forms part of a longer running youth engagement strategy which aims to set up a Young Persons Steering Group for the Estate with the potential for advising on future governance and engagement.

The session provided an overview of the current project and allowed young people to share local knowledge and insight. The intention of this was to understand shared experiences and think of possible design interventions to facilitate their vision for the local area they live in.

Analysis of Starting the Conversation Questionnaire: The autumn 2019 'Starting the Conversation' questionnaire conducted by Southwark Council aimed to understand the household needs of residents and picked up some common themes relating to particular equality groups around how the Estate could be improved. Feedback is incorporated in Chapter 3 Equality Risks and Opportunities. Analysis of demographic information with respect to who was engaged through the questionnaire is incorporated in the Appendix.

Final Option Engagement Session: An engagement session was held in November 2020 to take local residents through the final Final Option for the redevelopment, and present on the EHIA process. The session took attendees through the potential equality impacts of the development, as well as Southwark Councils plan to mitigate these. Feedback was also received on areas important to the attendees in making their decisions; and their thoughts on the future of the

estate. Co-design workshops were held with residents DDG sub-group which focused on design progress and invite discussion on key issues and potential resolution. The workshops were held monthly between 28th October and 25th November 2021, which looked to gain their views on the below themes:

- Community facilities and landscape 28th October
- Manor Grove design workshop. 13th November and 2nd December
- Sustainability, energy and transport. 25th November

1.4.4 Impact assessment

Assessment of potential impacts: Potential impacts were identified and assessed using the research undertaken in the stages above. Assessment of impacts was undertaken in light of the sensitivity of the affected parties to regeneration and relocation, and distribution of people with protected characteristics amongst residents of the Estate. Both adverse and beneficial impacts were identified in the context of the mitigation measure implemented by the Council.

Types of equality effects considered: Potential effects arising from the redevelopment will be assessed as either differential or disproportionate.

- **Differential effects:** Differential effects occur where people with protected characteristics are likely to be affected in a different way to other members of the general population. This may be because groups have specific needs or are more susceptible to the effect due to their protected characteristics. Differential effects are not dependent on the number of people affected.
- **Disproportionate effects:** Disproportionate effects occur where there is likely to be a comparatively greater effect on an equality group than on other sections of the general population. Disproportionate effects may occur if the affected community includes a higher than average proportion of people with a particular protected characteristic, or because people from a particular protected characteristic group are the primary users of an affected resource.

Action planning and making recommendations: An action plan has been developed which outlines the responsibilities to involved affected parties following submission of the 'Hybrid' Planning Application EHIA. A series of further recommendations have been developed to help manage the renewal process in a way that minimised the potential for adverse effects where appropriate.

1.5 Methodology for identifying and assessing equality and health effects

1.5.1 Assessing equality and health effects

The assessment of effects across the EHIA process is predominantly qualitative and outlines the nature of the impact on:

- residents living in low-rise and tower blocks on Tustin Estate;
- commercial properties on Tustin Estate, including employees and customer bases;
- community facilities on Tustin Estate and their service users;
- owners of residential and commercial property on Tustin Estate; and
- the local community.

The assessment considers:

- whether the proposed renewal option will have a positive or negative effect on the lives of those who live in the area;
- the relationship of the effect to the renewal option proposed within the Programme (e.g. direct relationship such as loss of property or indirect relationship such as loss of access to services);
- the severity of change; and
- the resilience of those who are affected.

2 Tustin Estate Improvement Programme

This chapter sets out the context of Tustin Estate and the renewal option proposed as part of the improvement programme. It provides background to the Estate including its history and current situation, before outlining the final renewal proposal.

2.1 Overview: Tustin Estate

Tustin Estate is a five-hectare brick-built housing estate located in the London Borough of Southwark, on the Southwark and Lewisham border. Constructed in the 1960s and 1970s, the Estate is made up of 526 properties spread over six low-rise blocks and three 20 storey towers; a one form entry Primary School, retail units, Tustin Community Centre, open space, resident parking and a district heating system. Many of the blocks are in need of significant reinvestment; and there is currently major renovation works underway on the three tower blocks as part of a separate improvement programme. Consequently, this assessment focuses on the low-rise blocks as they are the subject of focus for the proposed option for improvement.

The tenure mix of households eligible for rehousing per low rise block subject to demolition as of June 2021 is listed in Table 2.1 below. Previous versions of this EHIA included 47 temporary accommodation households in Ullswater House. These households were moved to alternative accommodation during the COVID-19 pandemic as the homes were not self-contained. As a result The Manor Grove homes have also not been included as these are not subject to demolition.

Table 2.1: Tenure mix per block

Block	Total no. of properties	Temporary Accommodation Tenants ³	Applicants on housing waiting list	Council Tenants	Leasehold	Freehold	Void
Bowness House	34	1	3	18	15	0	0
Heversham House	98	4	16	66	28	0	0
Hillbeck Close	32	3	0	20	5	0	4
Kentmere House	38	4	8	31	3	0	0
Total	202	12	27	135	51	0	4

Source: Southwark Council (correct as of February 2022. Housing waiting list correct as of June 2021)

³ subsequent to the effects of Covid 19 this block has been decanted to allow for social distancing practices to be adhered to.

Photo 2.1: Heversham House, Tustin Estate



Source: Southwark Council

Housing Need

The Housing Needs Assessment process was started in 2019 as part of the options development process. In advance of the ballot, before the pandemic, housing needs assessments for all residents were administered by Resident Services Officers making an appointment by phone to visit residents at home to complete the assessment. During the pandemic, the assessments were completed by phone. Where Resident Services Officers were not able to contact residents, the council asked the appointed independent tenant and homeowner adviser to visit and arrange for the assessment to be completed.

Following the ballot and cabinet approval of the re-housing strategy for Phase 1 (Hillbeck), in-depth housing needs assessments (attached) were undertaken with Hillbeck residents. At times when COVID-19 restrictions were not in place, the Resident Services Officer made an appointment with residents to visit and complete the assessment. During COVID-19 restrictions, assessments were completed over the phone. Assessments were completed with all residents and resident leaseholders. The Resident Services Officer has also supported the private tenants of non-resident leaseholders to provide housing advice. A similar approach will be taken for later phases.

The accessibility needs of residents were taken into consideration in completing the assessment – for example one resident who is hard of hearing preferred for the assessment and ongoing discussions to be done by text message.

In January 2022, a Housing Needs Assessment was carried out by Southwark Council in order to identify the sizes of homes required by the current residents of the Estate after renewal. A

summary of current need to be met by the new Estate, as broken down by current residence, is found in the table below.

Table 2.2: Housing Needs Assessment

Summary of Need	1 Bed	2 Bed	3 Bed	4 Bed	5 Bed	Total
Bowness House	0	0	25	3	0	28
Heversham House	15	20	41	7	1	84
Hillbeck Close	22	0	0	0	0	22
Kentmere House	27	0	0	0	0	27
Totals	64	20	66	10	1	161

Source: Southwark Council (correct as of February 2022)

2.2 Renewal of the Estate

History of Tustin Estate regeneration

Southwark Council is the biggest social landlord in London and has committed to delivering a target of 11,000 new council homes for social rent by 2043. Tustin Estate is also subject to the Southwark Planning policy framework, including the Old Kent Road Area Action Plan which establishes a minimum target of 20,000 new homes and 10,000 new jobs in the area.

It has launched a 'Great Estates' programme, with the aim of guaranteeing that every estate is clean, safe, and cared for, and to give residents the opportunity to improve their estate. Tustin Estate is intended to be a leading example of this programme.

In 2016 Tustin Estate residents were engaged in discussions about the future of the estate, and as a result of these discussions it was determined that Southwark would undertake a major refurbishment programme of the three high rise towers. No decision was made with regard to the low rise blocks and consequently no major investment has been made.

The council has since reengaged with residents through the Tustin Community Association (TCA) and has worked with local representatives and the community to develop detailed options for the future of the Estate that were taken to ballot in September 2020 and February 2021.

Renewal scenarios

Initial options

Options for the Programme were developed by Common Grounds, taking account of feedback from Tustin Estate residents, the Council and other consultants involved in the process to date.

Five scenarios were initially considered for the redevelopment of the Estate:

- Option 1 simply involved the maintenance of the Estate with no new builds
- Option 2 and 3 required part refurbishment/part demolition of the Estate and new builds
- Option 4 required the complete demolition and rebuild of the Estate
- Option 5 required almost complete demolition of the estate, with the exception of Manor Grove, which would be maintained and infilled with new homes.

Impact of COVID- 19

Due to the emergence of the COVID- 19 pandemic in March 2020, and subsequent national restrictions, Southwark Council temporarily postponed the consultation and engagement period designed to whittle down the five options. In July 2020, as some restrictions began to lift after the first lockdown, the consultation was re- started to refresh residents' memories on the options and continue conversations regarding the renewal options. Social distancing requirements meant that gatherings of groups was not permitted, and therefore additional efforts were made to ensure that residents continued to receive the information they required through online RPG meetings and public events, letter drops, telephone calls (including with those residents known to be vulnerable or requiring additional assistance in interpreting information), and socially distanced one to one meetings where required.

Residents Ballot

In September 2020, residents were asked to rank the options in order of preference in a ballot. Option 4, which would see the full redevelopment of the Estate, including Manor Grove, was the favoured option of all blocks on the Estate with the exception of Manor Grove residents. Manor Grove is where all freeholders on the Estate live.

Option 5 was the second most favoured option for Manor Grove residents, just following Option 1.

Announcement of Final Option

The decision on which option to take forward was based on the results of the options survey, its alignment with council policies and aims, and supporting information in the Cost Benefit Analysis and the EHIA. It was determined that the Final Option for the Estate was Option 5 - the complete demolition and re-provision of all blocks with the exception of Manor Grove. The Manor Grove homes would be retained and refurbished, with infill housing established. The decision to proceed with Option 5 was based on taking all of the above information into account, and because it allows for the benefits of both Option 4 and Option 5 to be realised.

The Final Option was taken to a ballot of residents in February 2021, with the option to vote Yes or No on the Final Option. The majority of residents (87% of a 64% turnout) voted Yes to take forward the Final Option and redevelop the Estate,

'Hybrid' Planning Application

After the Residents Ballot voted Yes to take forward the redevelopment of the Estate, Southwark's Cabinet approved the delivery plan including appointing a design team to develop a Masterplan for planning submission. Details of the Masterplan are presented in the following table.

Table 2.3: 'Hybrid' Planning Application breakdown

	Refurbishment	Decanting and demolition	New Homes	Retail offerings and community facilities	Public realm offerings
'Hybrid' Planning Application	<ul style="list-style-type: none"> ● Manor Grove refurbishment to the following standard: <ul style="list-style-type: none"> – Every home will have the option of being refurbished to meet Decent Homes Standard, Southwark Standard – New kitchens and bathrooms for council tenants when these are due for replacement. – Energy efficiency improvements. – Improvements to bin stores. – Improvements to communal entrances. ● Total number of 49 homes maintained 	<ul style="list-style-type: none"> ● Decanting, demolition and re-provision of all blocks with the exception of Manor Grove. 	<ul style="list-style-type: none"> ● Replacement of all existing homes subject to demolition including 200 Council homes and 49 leasehold ● Total of 689 new homes, of which 68% will be affordable ● Dedicated housing provision for key workers ● 60% of homes available for affordable rent, including some reserved for key workers ● All new homes will achieve zero net carbon ● Dedicated housing for the over 55's ● New family homes with gardens ● All new homes will meet the Wheelchair User Dwelling Standards, and 10% will meet the Adaptable Dwellings Standard. 	<ul style="list-style-type: none"> ● Reprovision of retail units, with an assumed number of 10 businesses of 100sqm. ● Additional commercial space of 142 sqm. ● 1,380 sqm of non-residential reprovision in total ● Relocation options on Tustin Estate on an interim or permanent basis. ● New school building at the heart of the estate, with space to accommodate future extension to a 2 form entry provision. ● EV charging points 	<ul style="list-style-type: none"> ● Enhanced and enlarged green space at the heart of the estate, with provision for landscaped play, social and visual amenity for residents. ● Priority for pedestrians through new estate, with new pedestrian routes and limited vehicle movements. ● Improvements to fencing. ● Improved lighting. ● Clearer and more secure routes for people passing through the estate. ● New 'Quiet Route' through estate to enable new walking and cycling routes. ● Majority of trees retained, and new trees planted for a net gain in trees. ● New play facilities.

3 Summary of evidence

This chapter sets out a summary of evidence. It includes existing evidence potential equality effects associated with the Tustin Estate Improvement Programme and associated protected characteristic groups who may be disproportionately affected, based on the initial desk-based review, as well as a summary of resident feedback.

3.1 Summary

The below table summarises the existing evidence of potential effects and associated protected characteristic groups who may be disproportionately affected. This includes reference to COVID-19 where relevant as well as a summary of key stakeholder feedback. Risks are defined as potential adverse effects resulting from the Programme, and opportunities are defined as potential benefits. Protected characteristic groups include those defined in Chapter 1. For the purposes of this EHIA, sub-groups have been identified within certain protected characteristic group categories based on the desk-based evidence review to improve the assessment.

- Within 'age', all age ranges are considered, but specific sub-groups include children (aged under 16), younger people (aged 16-24), and older people (aged over 65).
- Within 'race', all races and ethnicities are considered, but the sub-group of ethnic minority is identified to refer to non-White British communities.
- Within 'religion and belief', all religious and belief groups are considered, but the term 'Minority faith groups' refers to religious groups who are not Christian (Buddhist, Hindu, Jewish, Muslim, Sikh, and 'other').
- Within 'sexual orientation' and 'gender reassignment', all sexual orientations and gender statuses are considered, but the 'Lesbian, Gay, Bisexual, Transgender Plus' (LGBT+) community is considered together.
- Within 'sex', the sub-groups of men and women are used.
- Within 'pregnancy and maternity', pregnant women are reported as a sub-group where the effect only relates to pregnancy.

Table 3.1: Evidence summary

Effects on residents during the renewal process	Affected groups	Risk or opportunity	Key resident feedback
<p>Loss of social infrastructure and access to community resources:</p> <p>The renewal process can involve temporary or permanent resettlement of residents and demolition of housing and community resources. This can lead to the risk of loss of social infrastructure and access to these resources. In particular, it can increase residents' distances from facilities or places of social connection located on or in close proximity to their neighbourhood.</p> <p>The ongoing COVID- 19 pandemic and regulations have had already had an impact on access to social infrastructure and resources, and as such any further impacts may have cumulative negative effects, especially on older people and disabled people.</p> <p>This can lead to increased stress and anxiety in children who may need to change school; and loneliness and isolation in older people which can turn to negative health outcomes such as poor mental health and obesity. Disabled people and pregnant women may also experience negative health impacts from this, including increased stress and anxiety.</p>	<ul style="list-style-type: none"> • Children • Older people • Disabled people • People from ethnic minority backgrounds • Minority faith groups • Pregnancy and maternity 	Risk	<p>A poll of residents in attendance at an online engagement event undertaken in November 2020, a majority of attendees selected social impact and community as one of the most important areas they would consider whilst making their decision about the future of the Estate.</p> <p>In an Estate walkaround in August 2021, residents fed back that they likes the communal garden and terraces currently at Kentmere. Residents also fed back that they enjoyed the deck access to the properties as it provided space for social interaction. Residents highlighted that they liked the existing green space.</p>

Effects on residents during the renewal process

	Affected groups	Risk or opportunity	Key resident feedback
<p>Access to finance: Where renewal schemes require residents to resettle, it can lead to an increase in their financial outgoings due to costs associated with moving and obtaining new housing. Relocation costs could include removal services, the need to adapt a new home or buy new furniture. Access to the required finance to obtain new housing may be most limited for those at risk of financial exclusion, who experience difficulty accessing appropriate and mainstream financial services, such as bank accounts, loans and mortgages.</p>	<ul style="list-style-type: none"> • Young people • Older people • Disabled people • People from ethnic minority backgrounds • Women 	Risk	<p>At an online public event, residents raised concerns about the affordability of new homes, and the costs associated with moving.</p>
<p>Appropriate, accessible and affordable housing Where renewal schemes require the resettlement of many residents, issues can arise regarding sourcing suitable housing that meets the needs of families with children, people requiring adaptable and accessible housing, and people seeking affordable housing. A lack of suitable housing can lead to families living in overcrowded properties. Overcrowding can lead to negative impacts on children’s health, putting them at increased risk of developing respiratory conditions, infections, psychological problems, SIDS, and stress. Health effects caused by poor housing, such as respiratory disease, is more likely to impact upon older people.</p>	<ul style="list-style-type: none"> • Children • Disabled people • People from ethnic minority backgrounds 	Risk	<p>At a public event, residents wanted to hear about how the different options will address the current accessibility issues of the existing homes, as existing homes do not have appropriate space for those with mobility difficulties.</p> <p>A poll of residents in attendance at an online engagement event undertaken in November 2020, a majority of attendees noted that they felt the No vote option would not address the issue of overcrowding.</p> <p>In an Estate walkaround in August 2021, residents fed back that they liked the existing generous size of homes.</p>
<p>Health effects: Relocation can have a negative impact on an individual’s mental health and well-being. Relocation can create a great deal of stress and anxiety amongst children, young people and older people due to the need to adapt to new routines, facilities and surroundings. Health effects may also arise as a result of the environmental effects of demolition and construction processes. Health effects may also result from social isolation due to housing relocation, and impacts of the COVID-19 pandemic, such as poorer mental health, obesity, alcoholism, and a greater risk of hospitalisation. Older people and disabled people are also likely to be disproportionately affected by changes in air quality that may arise during any construction period as increased air pollution can impact upon underlying respiratory conditions. Air pollution can also contribute to health impacts in young children, including long term cognitive issues and neurodevelopment. Additionally, antenatal exposure to air pollution may alter the lung development of a baby whilst in the womb. If a baby is exposed to significant levels of air pollution, this can increase the risk of premature birth and low birth weight Noise pollution can also have adverse health impacts including sleep disturbance and stress.</p>	<ul style="list-style-type: none"> • Older people • Disabled people • Pregnant women • Children 	Risk	<p>Some residents fed back concerns with how the construction elements of the refurbishment and infill options would work, particularly questioning if residents would be expected to remain living in their homes during construction.</p> <p>A poll of residents in attendance at an online engagement event undertaken in November 2020, a majority of attendees identified health and wellbeing as one of the most important areas they would consider whilst making their decision about the future of the Estate.</p>
<p>Safety and security: In the lead up to the renewal process and during the decanting and demolition of properties in the area, properties will be vacated and can fall into disrepair. This can attract unwanted activity including anti-social behaviour and crime, which can affect those who are more likely to be a victim or witness of crime or those who are more fearful of crime. It has been suggested that fear of crime can contribute to social isolation, particularly for vulnerable groups such as women, older people, children and ethnic minority groups.</p>	<ul style="list-style-type: none"> • Young people • Disabled people • People from ethnic minority backgrounds • LGBT+ people • Men 	Risk	<p>Tustin Estate residents mentioned that the existing security, ASB issues on the Estate.</p> <p>A poll of residents in attendance at an online engagement event undertaken in November 2020, a majority of attendees identified safety as one of</p>

Effects on residents during the renewal process

	Affected groups	Risk or opportunity	Key resident feedback
	<ul style="list-style-type: none"> • Older people • Women • Children 		the most important areas they would consider whilst making their decision about the future of the Estate.
<p>Accessibility and mobility in the area: Evidence has indicated that during construction the accessibility and mobility of the local area can be affected. In particular, construction can cause difficulties in relation to increased traffic in the local area, reducing parking (construction vehicles and subcontractors in parking), the construction activities blocking access to homes, shops, bus stops and pavements and safe routes, as well as effects on wayfinding.</p>	<ul style="list-style-type: none"> • Older people • Disabled people 	Risk	<p>Residents at a public event raised the importance of maintaining parking availability throughout construction.</p> <p>Residents at an Estate walkaround in August 2021 highlighted that motorbikes and scooters use existing pedestrian pathways to short cut through estate Residents also commented that the current private vehicle routes reduce safety and visibility around the greenspace in the estate.</p>
<p>Information and communication: The process of regeneration often requires two-way communication between residents and the council and or housing authorities in order for residents to understand the option available to them. The process of relocation itself also requires communication with a variety of organisations including the council, housing associations and removal companies. Such communication could be direct via the phone, face to face or over email, or could be indirect via websites, leaflets etc. Some groups of individuals may find communication more challenging than others and this is likely to depend upon the exact method and format of communication.</p>	<ul style="list-style-type: none"> • Older people • Disabled people • People from ethnic minority backgrounds 	Risk	In a poll of residents in attendance at an online engagement event undertaken in November 2020, a majority of attendees agreed that the Cost Benefit Analysis and Initial Equality and Health Assessment were useful in helping them to make a decision about the future of the Estate.

Effects on businesses during the renewal process

<p>Potential redundancy of employees associated with business loss or relocation: The renewal process may result in the closure and relocation of businesses. These changes may result in business owners becoming unemployed, redundancies or in current staff being unable to access ongoing employment at a different location. Older people, disabled people and minority ethnic people may particularly be at risk if faced with redundancy and/or extended periods of unemployment due to typically facing additional barriers in securing interviews and offers of new employment. In addition, older people are more likely to be self-employed, meaning that they could face further barriers in finding new roles in the labour market. Closure or relocation may affect the customer base and net revenue of businesses, resulting in restructuring and redundancy of staff as a result.</p>	<ul style="list-style-type: none"> • People from ethnic minority backgrounds • Older people • Disabled people • Young people • Women 	Risk	No feedback received on this topic. There will be further engagement with businesses as the detailed design moves forward.
<p>Potential loss of business: The renewal process may result in the closure and relocation of businesses. Research evidence shows that minority ethnic people are more likely to be self-employed and twice as likely to be in precarious work conditions than their White British counterparts in the UK. In addition, older people are also more likely to be self-employed, representing one in five self-employed population in the UK, placing them at potentially greater risk where businesses are affected.</p>	<ul style="list-style-type: none"> • People from ethnic minority backgrounds • Older people 	Risk	No feedback received on this topic. There will be further engagement with businesses as the detailed design moves forward.
<p>Impact of redundancy on health and well-being: Involuntary job loss due to redevelopment and renewal can have disproportionate health and well-being effects for certain groups. Older workers are at an increased risk of cardiovascular disease due to increased stress resulting from contributing factors such as a lower likelihood of re-employment, a substantial loss of income and the severance of work-based social interactions. Redundancy can create an increased risk of family tension and disruption, and that job loss for a parent can have detrimental effects on children including lowered self-esteem and socio-psychological well-being.</p>	<ul style="list-style-type: none"> • Older people • Children 	Risk	No feedback received on this topic. There will be further engagement with businesses as the detailed design moves forward.

Effects on residents during the renewal process

	Affected groups	Risk or opportunity	Key resident feedback
<p>Access to commercial finance: For businesses, redevelopment and renewal may result in relocation or closure. This may result in a need to access finance to secure new premises, which can be more difficult for particular groups.</p>	<ul style="list-style-type: none"> • People from ethnic minority backgrounds 	Risk	No feedback received on this topic. There will be further engagement with businesses as the detailed design moves forward.
<p>Impact on customer base: Potential closure or relocation of businesses could reduce the availability of services in the local area. Research evidence suggests that certain groups, such as older people, disabled people and minority ethnic groups may be more reliant on existing networks and links to shops and commercial services. As a result, sudden changes in locations of businesses could reduce their access to services and lead to social isolation and negative mental health outcomes.</p>	<ul style="list-style-type: none"> • Older people • Disabled people • People from ethnic minority backgrounds 	Risk	No feedback received on this topic. There will be further engagement with businesses as the detailed design moves forward.

Effects on community following renewal process

<p>Tackling crime and disorder: Levels of crime have in part been attributed to the urban environment. It has been argued that the opportunity for some forms of crime can be reduced through thought-out approaches to planning and design of neighbourhoods and towns. Reducing potential for crime can affect those more likely to fear crime or be a victim or witness of crime.</p>	<ul style="list-style-type: none"> • Young people • Disabled people • People from ethnic minority backgrounds • LGBT people • Men • Older people • Women • Children 	Opportunity	<p>Tustin Estate residents mentioned the need to improve security, safety on the Estate and address ASB.</p> <p>In a residents feedback event held in December 2021, residents stressed the need for safety to be built into the design of the new estate, eg. with better lighting, overlooking of public space, and security.</p>
<p>Improved access, mobility and navigation: Renewal processes open up opportunities to create spaces and places that can be accessed and effectively used by all, regardless of age, size, ability or disability, using principles of inclusive design. There are a number of equality groups who can experience difficulties with access, mobility and navigation who could benefit from improvements in this area. Children who cannot move about safely and independently on foot and bicycle often become less physically active, reducing opportunities for children to develop certain cognitive, motor and physical skills – as well as contributing towards childhood obesity risks.</p>	<ul style="list-style-type: none"> • Children • Older people • Disabled people 	Opportunity	<p>Residents at a public event raised the importance of ensuring all parking would be replaced following redevelopment.</p> <p>In a residents feedback event held in December 2021, residents again stressed the need to continue to be able to park on the estate; and ensure that parking is available throughout construction.</p>
<p>Improved public realm and green space: Renewal offers an opportunity to improve the public realm. The ability to access and use the public realm is vitally important to ensuring people feel that they are active members of their society. This includes basic activities such as using local shops or meeting up with people in a shared space outside close to home. In addition, the opening up of green space has been shown to impact positively on both physical and mental health. Inner-city green space can promote social cohesion and instil a sense of community. Social contact is especially important for the health and wellbeing of older people. Green space can also have a positive role in a child's cognitive development, their wellbeing, and is linked to lower BMIs. Access to green space has also been shown to have positive health benefits for disabled people, and people with autism or learning difficulties in particular.</p>	<ul style="list-style-type: none"> • Older people • Children • People from ethnic minority backgrounds • Disabled people 	Opportunity	<p>A poll of residents in attendance at an online engagement event undertaken in November 2020, a majority of attendees identified green space provision as an important area they would consider whilst making their decision about the future of the Estate.</p> <p>In a residents feedback event held in December 2021, residents noted that the landscaping around Manor Grove should also be improved. Residents liked the plans for rain gardens, sensory gardens and outdoor seating in the green space. Residents also</p>

Effects on residents during the renewal process

	Affected groups	Risk or opportunity	Key resident feedback
<p>Provision of community resources and improved social cohesion: Community resources provide important places of social connection and promote wellbeing for many groups. For example, community hubs can provide an accessible centre point for local activities, services and facilities. They allow for a cross section of the community to be brought together in a safe place, allowing for better social cohesion and helping to address social isolation. An opportunity to socialise can have a positive effect on the loneliness of older people and disabled people, which may in turn provide positive health benefits. Social contact and out-of-classroom learning can also improve the wellbeing of children</p>	<ul style="list-style-type: none"> • Children • Older people • Disabled people • People from ethnic minority backgrounds • Pregnant women • LGBT people 	<p>Opportunity</p>	<p>liked that there would be different types of play spaces located around the estate. Tustin Estate residents noted they would like to see improved amenities for children and young people.</p>
<p>New employment opportunities: Renewal can act as a means of promoting economic growth and supporting job creation. For example, property development can contribute to urban economic regeneration by enabling local stores to grow and expand, and through attracting investment to the area and revitalising neighbourhoods. It can also facilitate improved connectivity between communities and places of employment and education. Improved opportunities to access employment and education can serve to help address issues of inequality and improve social mobility.</p>	<ul style="list-style-type: none"> • Older people • Disabled people • People from ethnic minority backgrounds • Women • Young people 	<p>Opportunity</p>	<p>Residents at a public event asked about employment opportunities that would come from the redevelopment process.</p>
<p>Improved housing provision: Renewal can lead to improvements in housing provision within the regeneration area therefore improving appropriateness, accessibility and affordability, as well as its quality and efficiency in energy consumption. Warm and insulated homes can help prevent against the health and wellbeing impacts of living in a cold home. Children living in cold homes are more than twice as likely to suffer from a variety of respiratory problems than children living in warm homes. Cold housing can negatively affect children’s educational attainment, emotional wellbeing and resilience. Effects of cold housing are also evident among older people in terms of higher mortality risk, physical health and mental health.</p>	<ul style="list-style-type: none"> • Children • Older people • Disabled people • People from ethnic minority backgrounds 	<p>Opportunity</p>	<p>Tustin Estate residents felt that the rebuild option for the Estate was beneficial because they would provide larger homes with newer amenities Residents wanted to hear about how the different options will address the current accessibility issues of the existing homes, as existing homes do not have appropriate space for those with mobility difficulties. A poll of residents in attendance at an online engagement event undertaken in November 2020, some attendees identified that they believed the Yes option would lead to better living conditions on the Estate. In an Estate walkaround in August 2021, residents fed back that more storage provision in the new homes would be beneficial. In a residents feedback event held in December 2021, residents stressed the importance of providing enough daylight in the new homes, with windows on both sides. Residents wanted confirmation regarding the wheelchair accessibility of homes.</p>

4 Area profile and proportionality

This chapter is split into three sections: providing an overview of the socio-demographic profile of the Estate (the study area outlined in Chapter 2), and an overview of community resources businesses on the Estate.

2.2 Overview of the socio-demographic profile of the area

The area profile summary below provides a demographic characterisation of the area in which Tustin Estate falls. The baseline compares the socio-demographic profile of the Estate with the London Borough of Southwark, the Greater London region, and England. The summary includes analysis of protected characteristic groups under the Equality Act 2010 and the current socio-economic context of the area. In comparing these regions, where the Estate deviates by more than 3%, the difference is considered to be significant and is reported as such.

The data used in the baseline is the most current publicly available data from the Office of National Statistics. Where there are higher proportions of certain groups on the Estate, this is written in **bold text**.

A more detailed breakdown of the baseline can be found in Appendix A.

Table 4.1: Socio-demographic baseline

Protected Characteristic	Estate comparison with Southwark, Greater London and England ⁴
Age	<ul style="list-style-type: none"> Population of children (under 16) is consistent with other areas.⁵ Population of young people (16-24) is consistent with other areas. Population of working age people (16-64) living on the Estate (71%) is broadly in line with that of Southwark (73%) but higher than Greater London and England (67% and 62% respectively). Population of older people (65+) is consistent with other areas.
Disability ⁶ :	<ul style="list-style-type: none"> The population of disabled people living on the Estate is higher (16%) than Southwark or Greater London (14%), but in line with England (18%).
Gender reassignment	<ul style="list-style-type: none"> No information is publicly available for the Estate
Marriage and civil partnerships	<ul style="list-style-type: none"> Population of those who are married or in a civil partnership is lower than or consistent with other areas.
Pregnancy and maternity	<ul style="list-style-type: none"> The general fertility rate (live births per 1000 women aged 16-44) and total fertility rate (avg. number of children born per woman) is lower than other areas; number of live births as a proportion of the total population is consistent with other areas.
Race	<ul style="list-style-type: none"> 76% of people who live on the Estate are from an ethnic minority background. This is significantly higher than the proportion of people from an ethnic minority background who live in Southwark (60%), Greater London (55%) and England (20%). <ul style="list-style-type: none"> The largest ethnic minority group on the Estate are those from a Black African background (28%). This is significantly higher than the proportion in Southwark (16%), Greater London (7%), and England (2%). All other ethnic minority groups on the Estate are consistent with other areas There are lower proportions of White British people when compared to other areas.
Religion	<ul style="list-style-type: none"> 59% of people who live on the Estate identify as Christian. This is higher than the Christian population in Southwark (53%) and Greater London (59%). Populations of people from other religious and faith groups are consistent with other areas.
Sex	<ul style="list-style-type: none"> The population of men and women is consistent with other areas.
Sexual orientation	<ul style="list-style-type: none"> No information is publicly available for the Estate

Source: Office for National Statistics data

⁴ To determine the population within the Estate code point data was used. Code point data is a point representing a postcode area (there are multiple within the Estate boundary). Each code point is assigned with Lower Super Output Area (LSOA) data from the LSOA that the point falls in. An LSOA is the smallest geographical area (an average of 1,500 residents and 650 households) for which most population data is published (beyond Census data).

⁵ When comparing populations between areas, where the Estate differs by more than 3%, the difference is considered to be significant and is reported this way – e.g. <3% is consistent with other areas and >3% is higher or lower than other areas.

⁶ Defined here as 'People whose day to day activities are limited in any way as a result of being disabled or because of a long-term health condition'

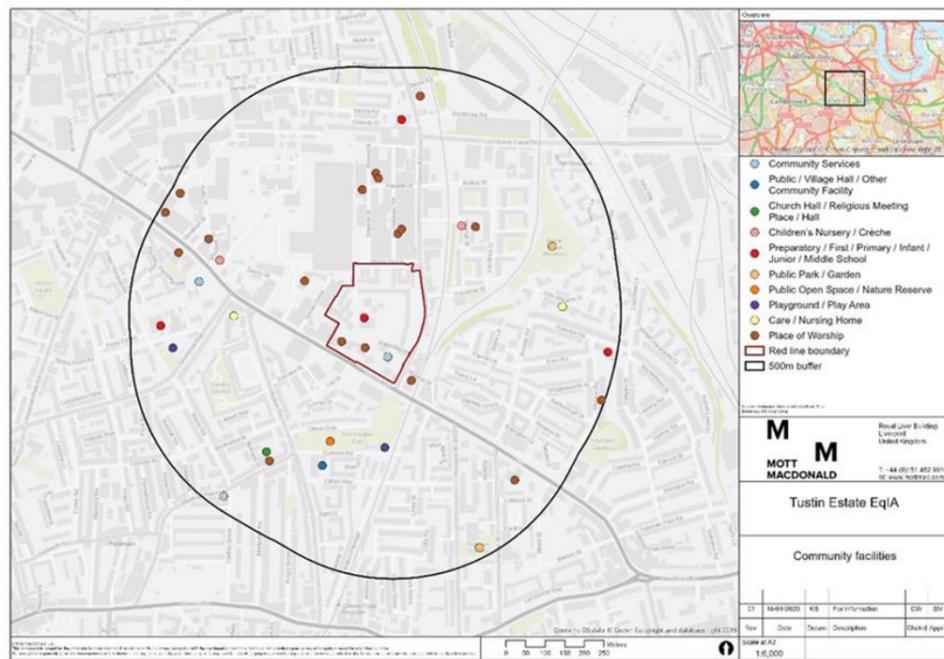
2.3 Overview of community resources within the Estate

There are a number of community facilities and resources located both within, and in close proximity to, Tustin Estate which are likely to be accessed by protected characteristic groups, or if they were to be lost, would potentially adversely affect protected characteristic groups. Within the Estate boundary, there are two Christian faith groups which are likely to be affected by the project. Children are likely to be impacted by relocation of the Pilgrims Way Primary School and day care / learning centre. There is also the Tustin Estate Community Centre, which is available for use by all residents of the current Estate. Table 4.2 below lists the community facilities located within the Estate boundary.

Table 4.2: List of community facilities within the Estate

Name	Category	Address
Day care / learning centre	Education	803 Old Kent Road
Pilgrims Way Primary School and Nursery	Infant School	Manor Grove
Tustin Community Centre	Community Services	Windermere Point
Divine Prophetic Interdenominational Ministries	Faith group	801 Old Kent Road
Redeemed Assemblies	Faith group	821 Old Kent Road

Map 4.1: Community facilities within and surrounding the Estate



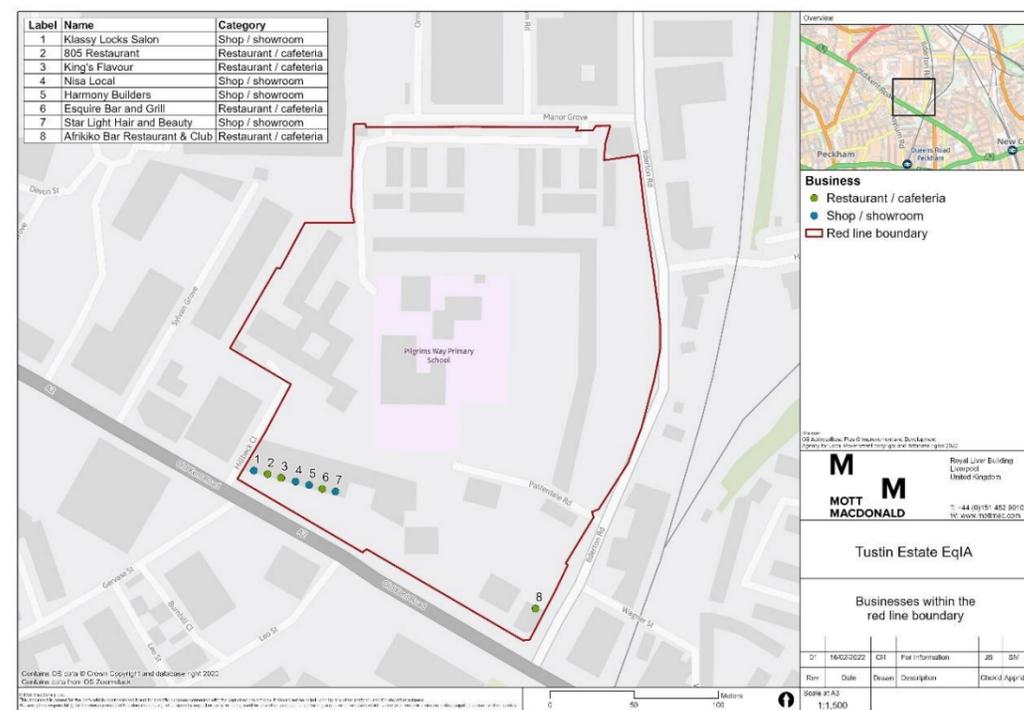
Source: OS AddressBase

2.4 Overview of businesses within the Estate

There are a number of commercial units located on the Estate facing Old Kent Road in Bowness House. The businesses include two restaurants, a takeaway, a convenience store, an accountancy and a hair and beauty salon. These may be affected by any demolition and rebuild option on the Estate, which could have equality impacts on owners and employees, and potentially local residents.

Map 4.2 maps and labels the businesses located within the Estate boundary.

Map 4.2: Businesses within the Estate



Source: OS AddressBase

5 Equality and health impacts

This chapter sets out the potential impacts of the renewal option on protected characteristic groups and outlines existing Southwark Council mitigation measures. The impacts split into three sections: Table 5.1 outlines the impact on residents and community resources during renewal, Table 5.2 outlines the impact on businesses during renewal, and Table 5.3 outlines the impact on communities after the renewal process is complete.

5.1 Impact on residents and community resources during renewal

The following table describes the potential impacts of the renewal option on protected characteristic groups, with a focus on impacts for residents and local community resources during the renewal process. These impacts have been identified through a review of published literature and through engagement with residents. Potential disproportionate effects on particular groups based on the demographic analysis of the Estate are also identified. Finally, existing measures Southwark Council has in place to mitigate or enhance impacts are set out.

Table 5.1: Impact on residents and community resources during renewal

Potential equality and health risks	Affected groups ⁷	Impact	Existing Southwark Council mitigations or enhancements
<p>Loss of social cohesion and access to community resources</p> <p>The renewal process can involve temporary or permanent resettlement of residents and demolition of housing and community resources. This could lead to the risk of loss of social infrastructure and temporary or permanent access to this amenity provision. In particular, it can increase residents' distances from facilities or places of social connection located on or in close proximity to their neighbourhood. For example, relocation accompanied by a school move has the potential to be particularly stressful and disruptive to children. In addition, older people can experience feelings of isolation from relocation if long-standing community links are broken and older people are already more likely to experience feelings of isolation compared to other groups within society.</p>	<ul style="list-style-type: none"> Children Older people Disabled people Pregnancy and maternity Ethnic minority groups Minority faith groups 	<p>Neutral</p> <ul style="list-style-type: none"> No change in social cohesion as residents able to remain on Estate during renewal <p>Risks</p> <ul style="list-style-type: none"> Temporary loss of play area. Reduced access to community facilities and social infrastructure during construction due to temporary loss of resources (e.g. churches). 	<ul style="list-style-type: none"> A community led gardening project was developed prior to the renewal process and will be continued throughout, promoting social cohesion and minimising social isolation, which has been exacerbated by COVID 19 restrictions. Where demolition is taking place, residents have the option to remain on the Estate during construction and continue to access their social networks and community resources, such as the TRA hall (subject to COVID-19 restrictions). There are a series of housing solutions to enable residents to remain on Estate if a temporary move is needed. Pilgrim's Way school will remain open during the renewal process, so there will be no requirement for pupils to change schools while the new school is being built. A phasing plan has been developed to limit the number of temporary moves to a maximum of two, with residents only making one move in most circumstances. Public realm works to be staggered to ensure there is always access to green and recreational space. Temporary amenity space will be provided throughout the redevelopment process. Dedicated resident support continues to be available online and in person where needed, and has also been available throughout the COVID-19 pandemic.
<p>Difficulty accessing finance (e.g. costs associated with moving home)</p> <p>Although the renewal process can often increase the value of properties it can also reduce the affordability of housing in the area and contribute to financial exclusion. This means that some groups of people within society are not able to purchase a renewed home as they are unable to get the required mortgage or loan. In addition, where renewal requires residents to relocate, it can lead to an increase in their financial outgoings due to costs associated with moving and securing new housing. Relocation costs could include removal services, the need to adapt a new home or buy new furniture.</p>	<ul style="list-style-type: none"> Young people Older people Disabled people Ethnic minority groups Women 	<p>Opportunity</p> <ul style="list-style-type: none"> Possible lower service charges for resident leaseholders after renewal Homes connected to the new district heating system and built to new building standards may have lower energy bills <p>Risks</p> <ul style="list-style-type: none"> Costs associated with resettlement such as securing new accommodation and moving home. Financial implications associated with new build option for freeholders. 	<ul style="list-style-type: none"> Homeowners will be offered the market value of their home. Should a residents home require demolition, a Home Loss Payment (sum in recognition of home loss) and a Disturbance Payment would be made to Council tenants and homeowners. The Home Loss Payment would be a one-time payment, whilst the Disturbance Payment may be made more than once where necessary to facilitate multiple moves. This includes reimbursement of funds for removals, disconnection and reconnection of cooker/washing machine, redirection of mail, BT Telephone Installation, cable TV/TV installation and reasonable adjustments to carpets and curtains. A number of options are available to leaseholders on the site, including shared ownership, an equity loan, and shared equity options. For leaseholders who cannot meet the equity requirements for these, council tenancies will be available, subject to financial appraisal. Leaseholders and freeholders will have access to an independent chartered surveyor to carry out a market evaluation of the properties and discuss this with the council surveyors.

⁷ Groups that have been highlighted in bold, blue text are also disproportionately represented in the study area.

- New build Council rents in line with new homes across Southwark.
- Council tax may increase for those in new homes.
- Service charges may increase for council tenants
- Southwark Council commitment to work with leaseholders and freeholders to ensure that no household is worse off as a result of renewal.
- Additional costs for freeholders resulting from the works to the wider estate as well as costs related to services and utilities will be set out in detail as the earliest opportunity.
- Council tenants will receive information regarding the indicative rent and council tax of each property size before the selection process.
- Resident leaseholders who wish to remain on the Estate will be able to choose their home once planning permission has been obtained, and will be provided with information on the cost and council tax band of the properties.
- Support will be provided to help residents deal with utility companies and any change in benefit claims

Appropriate, accessible and affordable housing

Where renewal schemes require the resettlement of many residents, issues can arise regarding sourcing suitable housing that meets the needs of families with children, people requiring adaptable and accessible housing, people seeking affordable housing and large intergenerational ethnic minority households.

- Children
- Older people
- **Disabled people**
- **Ethnic minority groups**

Risks

- Challenge finding appropriate temporary housing for those with specific housing needs (e.g. disabled people, families with children)

- Residents will be supported to access homes that meet their needs and preferences.
- All council residents whose homes will be demolished will be offered a like- for- like replacement home on the new Estate
- 10% of new build housing to be wheelchair accessible, in line with national government requirements.
- All tenanted homes will be adapted for residents' needs as required.
- Those with special housing needs to be prioritised through rehousing process.
- All new and refurbished social rented homes will be owned and managed by Southwark Council. They will all have Council rent levels.
- A mix of housing sizes and typologies will be available in the redevelopment, to provide for different housing needs.
- All new homes will have access to a balcony, patio, or roof terrace.
- A variety of tenures will be available to allow homeowners to stay on the estate including shared equity and rehousing as a Council tenant.
- Tenants who are overcrowded in the low rise blocks will be offered new accommodation to meet their housing needs.
- New housing block built specifically for older people who are not living with children.
- All new and refurbished social rented homes will be owned and managed by Southwark Council. They will all have Council rent levels.
- 13 new 'Hidden Homes' built within the high rise towers to accommodate low rise Tustin residents.

Health effects

Health effects may arise as a result of stress due to relocation, the environmental effects of demolition and construction processes and/or as a result from social isolation due to housing relocation.

- Children
- Older people
- **Disabled people**
- Pregnancy and maternity

Risks

- Noise exposure from demolition and construction.
- Poorer air quality from demolition and construction.
- Health effects associated with rehousing (stress, isolation).
- Impacts of noise and air pollution on school pupils and their learning during construction.

- Potential health impacts related to stress due to relocation would be mitigated through rehousing support outlined above. There will also be a dedicated team in place to help with questions or information throughout the process.
- Housing solutions to enable residents to remain on Estate if they need to move temporarily, where possible.
- Public realm works to be staggered to ensure there is always access to green and recreational space.
- Pilgrims Way Primary School will retain access to their play space until completion of the new school playground.
- Temporary amenity space will be provided throughout the redevelopment process.
- New communal outdoor space to mitigate health impacts of social isolation, which may have been exacerbated as a result of the COVID- 19 pandemic.
- Environmental effects to be mitigated through considerate construction practices and environmental management planning.

Safety and security

In the lead up to renewal, and during the decanting and demolition of properties in the area, properties will be vacated. If these are not maintained properly there is a risk that they could fall into disrepair. This could attract unwanted activity including anti-social behaviour and

- Children
- Young people
- Older people

Risks

- Potential for anti-social behaviour and vandalism during decanting and demolition period.

- Properties to be secured through appropriate measures, including phasing of redevelopment so the Estate is not left vacant.
- 'One move approach' to relocation of residents will ensure the Estate remains occupied during the construction period.

crime, which can affect those who are more likely to be a victim or witness of crime or those who are more fearful of crime.

- Disabled people
- Ethnic minority groups
- LGBT
- Men
- Women

Accessibility and mobility in the surrounding area

Evidence suggests that during construction the accessibility and mobility of the local area can be affected. In particular, construction can cause difficulties in relation to increased traffic on local roads, reducing parking (as construction vehicles may use existing parking facilities), the construction activities blocking access to homes, shops, bus stops and pavements and safe routes, as well as effects on wayfinding.

- Older people **Risks**
- Disabled people

- The presence of tradesmen’s vehicles and construction vehicles during refurbishment may temporarily reduce access and parking.
- The presence of more vehicles in the area may increase local traffic.
- Potential for construction activities might block some access routes and could impact on wayfinding.

- Resident car owners who currently have a parking permit will be re- provided with a parking permit for the redeveloped estate. Blue badge parking permits will also be re-provided.
- The existing five disabled parking bays will be re-provided in the new Estate, with an additional provision of 16 (reflecting 3% of the total new homes on the Estate)
- Accessibility of Estate to be considered through construction planning (e.g. ensuring hoarding does not sever the Estate).

Information and communication

Complex material and information on the regeneration may present a challenge to those who have different information and communication needs.

- Older people **Risks**
- Disabled people
- Ethnic minority groups

- Residents will need to spend time understanding the option available to them in order to make an informed decision.

- Southwark Council will fund independent resident advice which will include training and support in design and construction stages to ensure that residents can meaningfully engage in decision making.
- Series of face to face and online meetings held with residents to discuss issues and concerns of residents.
- A dedicated Tustin team of housing officers will be established to liaise with residents throughout the development.
- Information is published online as it is made available for all to access.
- Language interpretation and face to face engagement available.
- Additional support will be provided where required due to a language barrier or literacy needs.
- Support will be provided to help residents deal with utility companies and any change in benefit claims.

5.2 Impact on businesses during renewal

The following table describes the potential impacts of the renewal option on protected characteristic groups, with a focus on the businesses on Tustin Estate during the renewal process. These impacts have been identified through a review of published literature and through engagement with residents. Potential disproportionate effects on particular groups based on the demographic analysis of the Estate are also identified. Finally, existing measures Southwark Council has in place to mitigate or enhance impacts are set out.

Table 5.2: Impact on businesses during renewal

Potential equality and health risks	Affected groups ⁸	Impact	Existing Southwark Council Mitigations or enhancements
<p>Potential redundancy of employees associated with business loss or relocation</p> <p>The renewal process may result in the closure and relocation of businesses. These changes may result in business owners becoming unemployed, redundancies or in current staff being unable to access ongoing employment at a different location. Older people, disabled people and minority ethnic people may particularly be at risk if faced with redundancy and/or extended periods of unemployment due to typically facing additional barriers in securing interviews and offers of new employment. In addition, older people are more likely to be self-employed, meaning that they could face further barriers in finding new roles in the labour market. Closure or relocation may affect the customer base and net revenue of businesses, resulting in restructuring and redundancy of staff as a result.</p>	<ul style="list-style-type: none"> Older people Disabled people Ethnic minority groups Young people Women 	<p>Risk</p> <ul style="list-style-type: none"> Relocation options for businesses on an interim or permanent basis may result in current staff not being able to access work. 	<ul style="list-style-type: none"> Relocation options to be discussed with businesses on a case by case basis. Options will include a permanent move to a property nearby, or a temporary relocation nearby with a permanent return to the Estate after Phase 4 in autumn 2029. Signposting to employment through Southwark Works. Dedicated business support available. Demolition of the commercial plots to take place in Phase 4 to maintain the commercial use by businesses for as long as possible.
<p>Potential loss of businesses</p> <p>The renewal process may result in the closure and relocation of businesses. Research evidence shows that minority ethnic people are more likely to be self-employed and twice as likely to be in precarious work conditions than their White British counterparts in the UK. In addition, older people are also more likely to be self-employed, representing one in five self-employed population in the UK, placing them at potentially greater risk where businesses are affected.</p>	<ul style="list-style-type: none"> Older people Ethnic minority groups 	<p>Risk</p> <ul style="list-style-type: none"> Renewal process may result in the permanent closure of businesses due to impacts to trading and customer base. 	<ul style="list-style-type: none"> Relocation options to be discussed with businesses on a case by case basis- options will include a permanent move to a property nearby, or a temporary relocation nearby with a permanent return to the Estate. Demolition of the commercial plots to take place in Phase 4 to maintain the commercial use by businesses for as long as possible. Dedicated business support available. Relocation fund to be made available where appropriate.
<p>Access to commercial finance</p> <p>For businesses, redevelopment and renewal may result in effects on trade, relocation or closure. This may result in a need to access finance, which can be more difficult for particular groups.</p>	<ul style="list-style-type: none"> Ethnic minority groups 	<p>Risk</p> <ul style="list-style-type: none"> Potential costs from disruption to business trading. Cost of relocation and securing new premises, either on a temporary or permanent basis. 	<ul style="list-style-type: none"> Relocation options to be discussed with businesses on a case-by-case basis. Options will include a permanent move to a property nearby, or a temporary relocation nearby with a permanent return to the Estate. Dedicated business support available. Relocation fund to be made available where appropriate. Signposting to employment through Southwark Works. Dedicated business support available.
<p>Impact of redundancy on health and well-being</p> <p>Involuntary job loss due to redevelopment and renewal can have disproportionate health and well-being effects for families with children and older people.</p>	<ul style="list-style-type: none"> Children Older people 	<p>Risk</p> <ul style="list-style-type: none"> Relocation may cause businesses to close and staff to be made redundant. 	<ul style="list-style-type: none"> Relocation options to be discussed with businesses on a case-by-case basis. Options will include a permanent move to a property nearby, or a temporary relocation nearby with a permanent return to the Estate. Demolition of the commercial plots to take place in Phase 4 to maintain the commercial use by businesses for as long as possible. Signposting to employment through Southwark Works. Dedicated business support available.
<p>Impacts on local customers</p> <p>Potential closure or relocation of businesses could reduce the availability of services in the local area. Research evidence suggests that certain groups, such as older people, disabled people and minority ethnic groups may be more reliant on existing networks and links to shops and commercial services. As a result, sudden changes in locations of businesses could reduce their access to services and lead to social isolation and negative mental health outcomes.</p>	<ul style="list-style-type: none"> Older people Disabled people Ethnic minority groups 	<p>Risk</p> <ul style="list-style-type: none"> Relocation or closure of businesses may impact upon local customers who are reliant on them for goods, services, or social interaction. 	<ul style="list-style-type: none"> Relocation options to be discussed with businesses on a case by case basis- options will include a permanent move to a property nearby, or a temporary relocation nearby with a permanent return to the Estate. Once businesses enter into these discussions, they will be able to proactively communicate the plan with their customer base. Demolition of the commercial plots to take place in Phase 4 to maintain the commercial use by businesses for as long as possible.

⁸ Estate demographic information does not apply to businesses therefore no Groups that have been highlighted in bold, blue text are also disproportionately represented in the study area

5.3 Impact on community following renewal process

The following table describes the potential impacts of the renewal option on protected characteristic groups, with a focus on the Estate and wider community following the renewal process. These impacts have been identified through a review of published literature and through engagement with residents. Potential disproportionate effects on particular groups based on the demographic analysis of the Estate are also identified. Finally, existing measures Southwark Council has in place to mitigate or enhance impacts are set out.

Table 5.3: Impact on community following renewal process

Potential equality and health opportunities	Affected groups ⁹	Impact of Redevelopment
<p>Tackling crime and disorder</p> <p>Levels of crime can be in part been attributed to the urban environment. It has been argued that the opportunity for some forms of crime can be reduced through well thought-out approaches to planning, and the design of neighbourhoods and towns. Reducing potential for crime can affect those more likely to fear crime or be a victim or witness of crime.</p>	<ul style="list-style-type: none"> ● Children ● Young people ● Older people ● Disabled people ● Ethnic minority groups ● LGBT ● Men ● Women 	<p>Opportunity</p> <ul style="list-style-type: none"> ● Better external lighting for safety and visibility. ● Clearer and more secure routes for people passing through the estate ● Estate to promote safety and security through new design. ● Paths and green spaces overlooked by houses to create feeling of safety. ● Designed to Secured by Design Standards.
<p>Improved access, mobility and navigation</p> <p>Renewal processes open up opportunities to create spaces and places that can be accessed and effectively used by all, regardless of age or disability, using principles of inclusive design. There are a number of equality groups who can experience difficulties with access, mobility and navigation who could benefit from improvements in this area.</p>	<ul style="list-style-type: none"> ● Children ● Older people ● Disabled people 	<p>Opportunity</p> <ul style="list-style-type: none"> ● Better external lighting for safety and visibility. ● Clearer and more secure routes for people passing through the estate. ● New estate priorities pedestrians, with clear separate pedestrian routes and new access to existing routes ● Improved signage for wayfinding ● Secure and controlled parking. ● New benches.
<p>Improved public realm and green space</p> <p>Renewal offers an opportunity to improve the public realm. The ability to access and use the public realm is vitally important to ensuring people feel that they are active members of their community. This includes basic activities such as using local shops or meeting up with people in a shared space outside close to home. In addition, the opening up of green space has been shown to impact positively on both physical and mental health.</p>	<ul style="list-style-type: none"> ● Children ● Older people ● Disabled people ● Ethnic minority groups 	<p>Opportunity</p> <ul style="list-style-type: none"> ● Enhanced and enlarged green space at heart of estate, promoting health and wellbeing for different equality groups. ● New network of green spaces across the development ● New active space within 'Tustin Common', with play areas and seating ● Enhanced bicycle storage provision to facilitate active travel, promoting healthier lifestyles. ● Electric charging points for vehicles. ● New communal outdoor space in blocks.

⁹ Groups that have been highlighted in bold, blue text are also disproportionately represented in the study area

Provision of community resources and improved social cohesion

Community resources provide important places of social connection and promote wellbeing for many groups. For example, community hubs can provide an accessible centre point for local activities, services and facilities. They allow for a cross section of the community to be brought together in a safe place, allowing for better social cohesion and helping to address social isolation.

- Children
- Older people
- **Disabled people**
 - **Ethnic minority groups**
- Pregnancy and maternity
- LGBT

Opportunity

- A mix of shared communal spaces in new blocks.
- Increased access to community resources such as the community garden.
- Possibility of tenants managing community spaces.
- New school building at the heart of the estate with space for outdoor learning to improve health and wellbeing
- New church premises on Estate.
- New outdoor communal space in blocks, and new park area, to improve social cohesion and reduce isolation after the COVID- 19 pandemic.
- Separate and dedicated amenity space for residents of the Over 55 homes.

Risk

- New community moving on to Estate and effects on social cohesion¹⁰

New employment opportunities

Renewal can act as a means of promoting economic growth and supporting job creation. For example, property development can contribute to urban economic regeneration by enabling local stores to grow and expand, and through attracting investment to the area and revitalising neighbourhoods. It can also facilitate improved connectivity between communities and places of employment and education. Improved opportunities to access employment and education can serve to help address issues of inequality and improve social mobility.

- Young people
- Older people
- **Disabled people**
 - **Ethnic minority groups**
- Women

Opportunity

- Improved commercial spaces for existing businesses.
- Construction employment onsite (varying by the amount of construction required for the job).
- Increased commercial space on site for new businesses

Improved housing provision

Renewal can lead to improvements in housing provision within the regeneration area, thereby improving suitability, accessibility and affordability, as well as its quality and efficiency in energy consumption.

- Children
- Older people
- **Disabled people**
 - **Ethnic minority groups**

Opportunity

- All new homes built to new building, space and accessibility standards.
- Potential health effects of overcrowding are addressed.
- Private external space for every home (garden, patio or balcony) to capture health benefits of access to outdoor space.
- New homes designed to maximise natural daylight and views
- Energy efficiency improvements to address potential health effects of cold housing.
- Mixture of shared and private external space in blocks .
- Housing to suit different needs, including family homes
- Large uplift in new homes.
- Dedicated housing for the over 55s with separate amenity space
- All new homes will meet the Wheelchair User Dwelling Standards, and 10% will meet the Adaptable Dwellings Standard.
- All tenanted homes will be adapted for residents needs as required.

Neutral

- Where relevant, new tenancy agreements will be drawn up.
- Where relevant, leaseholder deeds will change in line with changing ownership arrangements.
- No change to status of freeholders on estate.

¹⁰ Risk to be mitigated through phasing strategy and a dedicated support team to help integrate residents into new community.

6 Overall equality and health effects

This section identifies the potential impacts that could arise for people with protected characteristics, as a result of the redevelopment of the Estate. It shows the potential impact of risks and opportunities without mitigation, following mitigation and then highlights the likely overall equality effect if recommendations are adhered to.

6.1 Overview: assessing equality risks and opportunities

The scale below has been used to identify the extent of both risks and opportunities. Where there is more than one impact, the rating summarises the overall impact. Please note that the rating following mitigation captures where there may be possible further mitigation measures that could be put in place by the Council to further reduce the effect, or the impact has been reduced for identified protected characteristic groups to a level that is no worse than that experienced by the rest of the population.

Major risk	XXX
Moderate risk	XX
Minor risk	X
Neutral	0
Minor opportunity	✓
Moderate opportunity	✓✓
Major opportunity	✓✓✓

6.2 Risks and opportunities during renewal

Tables 6.1 and 6.2 identify the potential impacts on residents, community resources and businesses located within the low-rise blocks on the Estate during the renewal process, for the period between a successful ballot up to completed delivery. It shows the potential impact of risks and opportunities without mitigation, following mitigation measures that have been put in place by Southwark Council and then highlights the likely overall equality effect if Southwark Council adhere to the recommendations.

Table 6.1: Impact on residents and community resources during renewal (from the ballot up to delivery)

Potential impact	Without mitigation	With mitigation	Recommendations	Overall equality and health effect
<p>Loss of social cohesion and access to community resources</p> <p>The renewal process can involve temporary or permanent resettlement of residents and demolition of housing and community resources. This could lead to the risk of loss of social infrastructure and temporary or permanent access to this amenity provision.</p>	XXX	X	<ul style="list-style-type: none"> Work proactively and constructively through a range of channels, including face to face engagement where possible with residents, keeping up-to-date records of changing needs and circumstances, particularly if residents who will be most affected by refurbishment and/or redevelopment in order to remediate feelings of social isolation. Maintain continuity in access to community resources (e.g. churches and play areas) where possible. If this is not possible, consider pop-up spaces for these uses. 	<p>There are likely to be no adverse effects on equality groups due to a loss of social cohesion.</p> <p>There may be limited effects on equality groups due to temporarily reduced access to some community resources during the renewal period under the Final Option.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>
<p>Difficulty accessing finance (e.g. costs associated with moving home)</p> <p>Although the renewal process can often increase the value of properties it can also reduce the affordability of housing in the area and contribute to financial exclusion.</p>	XX	X	<ul style="list-style-type: none"> Work proactively and constructively through a range of channels, including face to face engagement where possible, keeping up-to-date records of changing needs and circumstances— particularly those who are most affected by financial exclusion. Ensure that residents are signposted to the reallocation process (including financial advice) available online or via telephone, if necessary, to comply with COVID- 19 social distancing and self-isolation recommendations. Early estimates of changes to rent and service charges as a result of the vote should be communicated to residents as soon as possible. 	<p>There should be no significant adverse effects on the ability of equality groups to access finance, although there may be some effects linked to increases in rent, council tax, and service charges after renewal.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>
<p>Appropriate, accessible and affordable housing</p> <p>Where renewal schemes require the resettlement of many residents, issues can arise regarding sourcing suitable housing that meets the needs of families with children, people requiring adaptable and accessible housing, people seeking affordable housing and large intergenerational Ethnic Minority Background households.</p>	XXX	O	<ul style="list-style-type: none"> Work proactively and constructively through a range of channels, including face to face engagement where possible, keeping up-to date records of changing needs and circumstances – particularly those who are most affected by a change to affordable and appropriate housing. Ensure that residents are signposted to the reallocation process (including financial advice) available online or via telephone, if necessary, to comply with COVID- 19 social distancing and self-isolation recommendations. 	<p>There is likely to be no adverse effect on equality groups with relation to access to appropriate, accessible, and affordable housing during the renewal period.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>

Potential impact	Without mitigation	With mitigation	Recommendations	Overall equality and health effect
<p>Health effects</p> <p>Health effects may arise as a result of stress due to relocation, the environmental effects of demolition and construction processes, including on school pupils, and/or as a result from social isolation due to housing relocation.</p>	XX	X	<ul style="list-style-type: none"> Demolition works should be monitored closely and disruption should be minimised through the creation of a Construction Environmental Management Plan (CEMP), which would be implemented by the contractor carrying out the works, in order to address health impacts related to noise and air quality. Throughout the improvement works, identify and work with vulnerable people whose protected characteristics may make them more vulnerable to adverse health impacts. Access to communal outdoor space should be maintained during the construction period to limit impacts on health caused by social isolation. 	<p>There may be minor adverse impacts on equality groups during the renewal period due to the noise and air quality impacts of construction during the renewal period; and the potential stress associated with moving home.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>
<p>Safety and security</p> <p>In the lead up to renewal, and during the decanting and demolition of properties in the area, properties will be vacated. This could attract unwanted activity including anti-social behaviour and crime, which can affect those who are more likely to be a victim or witness of crime or those who are more fearful of crime.</p>	X	O	<ul style="list-style-type: none"> Ensure best practices for enhancing safety and preventing crime are considered throughout the planning and construction process. Ensure a process is in place for reporting and addressing incidents of Anti-Social Behaviour (ASB) within the Estate. Monitor the security of the Estate and consider additional security where concerns are flagged. However, any enhanced security measures should only be implemented as a last resort, if deemed necessary, and in conjunction with residents, as it risks adding to a sense of vulnerability, isolation, and loss of sense of community for residents. 	<p>The impact of safety and security is likely to cause no adverse impacts on equality groups on the estate due to the mitigations and recommendations.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>
<p>Accessibility and mobility in the surrounding area</p> <p>Evidence suggests that during construction the accessibility and mobility of the local area can be affected. In particular, construction can cause difficulties in relation to increased traffic on local roads, reducing parking (as construction vehicles may use existing parking facilities), the construction activities blocking access to homes, shops, bus stops and pavements and safe routes, as well as effects on wayfinding</p>	XXX	X	<ul style="list-style-type: none"> As with health impacts, good access and mobility would be maintained through the creation of a CEMP, which would set out arrangements for any necessary diversions, which should provide well-signed routes that limit extra travelling distances. The CEMP should also ensure that access is maintained through measures such as such as limiting pavement obstructions and maintaining disabled parking. The CEMP should specifically consider the needs of protected characteristic groups who may have limited mobility. 	<p>There are potential minor impacts on accessibility and mobility which may affect equality groups during the renewal period.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>

Potential impact	Without mitigation	With mitigation	Recommendations	Overall equality and health effect
<p>Information and communication</p> <p>Complex material and information on the regeneration may present a challenge to those who have different information and communication needs.</p>	X	O	<ul style="list-style-type: none"> • Accessible format consultation materials, including but not limited to, easy read, different community languages, audio, and braille, should be available if requested. • Access to information and communication should be available in a number of formats, including online, telephone and one to one meetings, to ensure that all residents have safe access to information and support services as COVID- 19 restrictions continue. • Information should be provided in a clear and easy to understand way and communicated in a timely manner. This includes keeping website information up to date. • Up-to-date information about the renewal, including what is going on before, during and after all stages of the renewal process should be shared with residents, businesses and community resources. This provides them with the means to understand the options available to them in order to make an informed decision on what they need to do and when. 	<p>There are likely to be no adverse impacts on equality groups due to information and communication during the renewal period.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>

Table 6.2: Impact on businesses during renewal (from the ballot up to delivery)

Potential impact	Without mitigation	With Mitigation	Recommendations	Overall Equality and health effect
<p>Barriers to reemployment</p> <p>The renewal process may result in the closure and relocation of businesses. These changes may result in business owners becoming unemployed, redundancies or in current staff being unable to access ongoing employment at a different location.</p>	XX	X	<ul style="list-style-type: none"> • Offer business development support to existing businesses to ensure they are equipped to maximise the opportunity that the refurbishment and/or redevelopment may bring, such as information on how they might diversify their business. 	<p>There may be some minor adverse effects on equality groups due to barriers to reemployment during renewal.</p> <p>Overall, this risk is considered to be largely managed through a range of proportionate measures, however consideration should be given to adding the detail provided in the recommendations to the existing proposed measures.</p>

Potential impact	Without mitigation	With Mitigation	Recommendations	Overall Equality and health effect
<p>Potential loss of businesses</p> <p>The renewal process may result in the closure and relocation of businesses. Research evidence shows that minority ethnic people are more likely to be self-employed and twice as likely to be in precarious work conditions than their White British counterparts in the UK. In addition, older people are also more likely to be self-employed, representing one in five self-employed population in the UK, placing them at potentially greater risk where businesses are affected.</p>	XX	X	<ul style="list-style-type: none"> Work proactively and constructively through a range of channels, including face to face engagement where possible with vulnerable business owners and employees. Offer business development support to existing businesses to ensure they are equipped to maximise the opportunity that the refurbishment and/or redevelopment may bring. This should include engagement with each of the businesses to understand each business model, trading history, relocation requirements and identification of areas for support and diversification. Ensure that a business relocation and support approach is implemented to assist businesses in the relocation process and ensure minimum business disruption and to prevent the loss of business, if the business chooses to relocate permanently. Businesses should qualify for disturbance payments in reflection of the potential impact of the redevelopment on their business. 	<p>There may be some minor adverse effects on equality groups due to potential loss of business.</p> <p>Overall, this risk is considered to be largely managed through a range of proportionate measures, however consideration should be given to adding the detail provided in the recommendations to the existing proposed measures.</p>
<p>Access to commercial finance</p> <p>For businesses, redevelopment and renewal may result in effects on trade, relocation or closure. This may result in a need to access finance, which can be more difficult for particular groups.</p>	XX	X	<ul style="list-style-type: none"> Ensure businesses are fully informed of the timescales that would affect them as soon as possible, including when they if and would need to vacate the premises and the period of time they would be inactive for before being able to reopen on the refurbished or redeveloped Estate. Businesses should qualify for disturbance payments in reflection of the potential impact of the redevelopment on their business. 	<p>There may be some minor adverse effects on equality groups due to difficulty accessing commercial finance during renewal.</p> <p>Overall, this risk is considered to be largely managed through a range of proportionate measures, however consideration should be given to adding the detail provided in the recommendations to the existing proposed measures.</p>
<p>Impact of redundancy on health and well-being</p> <p>Involuntary job loss due to redevelopment and renewal can have disproportionate health and well-being effects for families with children and older people.</p>	XX	X	<ul style="list-style-type: none"> Work proactively and constructively through a range of channels, including face to face engagement where possible with vulnerable business owners and employees. 	<p>There may be some minor adverse effects on equality groups due to the impact of redundancy on health and wellbeing.</p> <p>Overall, this risk is considered to be largely managed through a range of proportionate measures, however consideration should be given to adding the detail provided in the recommendations to the existing proposed measures.</p>
<p>Impacts on local customers</p> <p>Potential closure or relocation of businesses could reduce the availability of services in the local area.</p>	XX	X	<ul style="list-style-type: none"> Work proactively and constructively through a range of channels, including face to face engagement where possible with business owners and employees. 	<p>There may be some minor adverse effects on equality groups due to impacts on local customers.</p>

Potential impact	Without mitigation	With Mitigation	Recommendations	Overall Equality and health effect
				Overall, this risk is considered to be largely managed through a range of proportionate measures, however consideration should be given to adding the detail provided in the recommendations to the existing proposed measures.

6.3 Risks and opportunities following renewal

Table 6.3 below identifies the potential impacts on the future Tustin Estate community (residents, community resources and businesses) following the renewal process, following completed delivery. It shows the potential impact of risks and opportunities without mitigation, following mitigation measures that have been put in place by Southwark Council and then highlights the likely overall equality effect if Southwark Council adhere to the recommendations.

Table 6.3: Impact on the Tustin Estate community following the renewal process

Potential impact	Without mitigation	With Mitigation	Recommendations	Overall Equality and health effect
<p>Tackling crime and disorder</p> <p>Levels of crime can be in part been attributed to the urban environment. It has been argued that the opportunity for some forms of crime can be reduced through well thought-out approaches to planning, and the design of neighbourhoods and towns. Reducing potential for crime can affect those more likely to fear crime or be a victim or witness of crime.</p>	✓✓✓	✓✓✓	<ul style="list-style-type: none"> Follow Crime Prevention Through Environmental Design (CPTED) and Secure by Design principles in designing the built environment and public realm.¹¹ 	<p>There is likely to be a major positive impact on equality groups due to the impact on tackling crime and disorder after delivery of the redevelopment programme.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>
<p>Improved access, mobility and navigation</p> <p>Renewal processes open up opportunities to create spaces and places that can be accessed and effectively used by all, regardless of age or disability, using principles of inclusive design. There are a number of equality groups who can experience difficulties with access, mobility and</p>	✓✓✓	✓✓✓	<ul style="list-style-type: none"> Ensure the design of movement networks and public spaces specifically addresses the mobility needs of vulnerable groups. This can be achieved by applying principles of inclusive design.¹² 	<p>There is likely to be a major positive impact on equality groups due to improved access, mobility, and navigation after delivery of the redevelopment programme.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>

¹¹ Jeffery (1971) 'Crime Prevention Through Environmental Design'. Sage publications

Secured by Design (2014) 'Secured by Design: Reducing crime by good design'. Available at: <https://mbp.co.uk/wp-content/uploads/2017/06/Secured-by-Design-Reducing-Crime-by-Good-Design-reduced.pdf>

¹² Design Council (2006) 'The Principles of Inclusive Design'. Available at: <https://www.designcouncil.org.uk/sites/default/files/asset/document/the-principles-of-inclusive-design.pdf>

Department for Transport (2005) 'Inclusive mobility' Available at: <https://www.gov.uk/government/publications/inclusive-mobility>

Department for Transport (2007) 'Manual for Streets'. Available at: <https://www.gov.uk/government/publications/manual-for-streets>

Potential impact	Without mitigation	With Mitigation	Recommendations	Overall Equality and health effect
navigation who could benefit from improvements in this area.				
<p>Improved public realm and green space</p> <p>Renewal offers an opportunity to improve the public realm. The ability to access and use the public realm is vitally important to ensuring people feel that they are active members of their community. This includes basic activities such as using local shops or meeting up with people in a shared space outside close to home. In addition, the opening up of green space has been shown to impact positively on both physical and mental health.</p>	✓✓✓	✓✓✓	<ul style="list-style-type: none"> Involve the local community in planning and designing improvements to the public realm and green spaces, specifically targeting protected characteristic groups that are likely to benefit from improvements e.g. children, older people and disabled people. Ensure the design of movement networks and public spaces specifically addresses the mobility needs of vulnerable groups. This can be achieved by applying principles of inclusive design. 	<p>There is likely to be a major positive impact on equality groups due to improved public realm and green space after delivery of the redevelopment programme.</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>
<p>Provision of community resources and improved social cohesion</p> <p>Community resources provide important places of social connection and promote better health and wellbeing for many groups. For example, community hubs can provide an accessible centre point for local activities, services and facilities. They allow for a cross section of the community to be brought together in a safe place, allowing for better social cohesion and helping to address social isolation.</p>	✓✓✓	✓✓✓	<ul style="list-style-type: none"> Continue to involve the local community in decisions about which resources should be incorporated into the area, specifically targeting protected characteristic groups that are likely to benefit from improvements. Ensure analysis is undertaken to understand on any potential pressure on public services that could result from redevelopment (eg. extra pressure on schools and health care services). 	<p>There is likely to be a major positive impact on equality groups due to the provision of community resources and improved social cohesion after delivery of the redevelopment programme</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>
<p>New employment opportunities</p> <p>Renewal can act as a means of promoting economic growth and supporting job creation. For example, property development can contribute to urban economic regeneration by enabling local stores to grow and expand, and through attracting investment to the area and revitalising neighbourhoods. It can also facilitate improved connectivity between communities and places of employment and education. Improved opportunities</p>	✓✓✓	✓✓✓	<ul style="list-style-type: none"> Work with owners of new businesses in the renewal area to employ local people, focussing on groups that are vulnerable to unemployment e.g. ethnic minority groups, disabled people, young people. 	<p>There is likely to be a major positive impact on equality groups due to new employment opportunities after delivery of the redevelopment programme</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>

Potential impact	Without mitigation	With Mitigation	Recommendations	Overall Equality and health effect
to access employment and education can serve to help address issues of inequality and improve social mobility.				
<p>Improved housing provision</p> <p>Renewal can lead to improvements in housing provision within the regeneration area, thereby improving suitability, accessibility and affordability, as well as its quality and efficiency in energy consumption, addressing potential effects of cold housing.</p>	<p>✓✓✓</p>	<p>✓✓✓</p>	<ul style="list-style-type: none"> • Ensure housing meets the needs of current and future residents. 	<p>There is likely to be a major positive impact on equality groups due to improved housing provision after delivery of the redevelopment programme</p> <p>Overall, this risk is considered to be managed through a range of proportionate measures.</p>

7 Conclusion and action plan

7.1 Conclusion

The EqIA has identified a number of risks, opportunities and potential impacts that could arise for those with protected characteristics, as a result of the redevelopment of the Estate. The details of these impacts are set out in detail in Chapter 5 Impact Assessment.

The assessment found that the regenerated Estate has the potential to provide improved living conditions, housing quality, accessibility, public realm and community facilities. This, coupled with the majority vote in the February 2021 ballot for the redevelopment to go ahead means there is a compelling case in the public interest for the redevelopment. This must be weighed against the acknowledged potential risks set out above. In this case, the Council has sought to mitigate these through a range of reasonable and proportionate measures focused on engagement, rehousing assistance and compensation options in order to improve the outcomes of the redevelopment for the current and future Estate community.

7.2 Action plan

The following action plan seeks to establish activities and responsibilities following the planning application to continue to identify and address equality issues where they arise. It is the responsibility of Southwark Council to implement any recommendations and mitigations identified.

Table 7.1: Tustin Estate recommended action plan

Recommendation	Potential impact addressed	Timeframe	Responsibility
Work proactively and constructively through a range of channels, including face to face engagement where possible with residents, keeping up-to-date records of changing needs and circumstances, particularly if residents who will be most affected by refurbishment and/or redevelopment in order to remediate feelings of social isolation.	Loss of social cohesion and access to community resources Difficulty accessing finance Appropriate, accessible and affordable housing Impact of redundancy on health and well-being Loss of business	Ongoing during renewal period until completion of renewal (2028)	Southwark Council, especially the council's engagement team Independent resident advisor
Maintain continuity in access to community resources (e.g. churches and play areas) where possible. If this is not possible, consider pop-up spaces for these uses.	Loss of social cohesion and access to community resources	Ongoing during renewal period until completion of renewal (2028)	Southwark Council
Ensure that residents are signposted to the reallocation process (including financial advice) available online or via telephone, if necessary, to comply with COVID- 19 social distancing and self-isolation recommendations.	Difficulty accessing finance Appropriate, accessible and affordable housing	Ongoing, with priority during the Preparation period (Spring 2021- Summer 2022)	Southwark Council, especially the council's engagement team Independent resident advisor
Demolition works should be monitored closely and disruption should be minimised through the creation of a Construction Environmental Management Plan (CEMP), which would be implemented by the contractor carrying out the works, in order to address health impacts related to noise and air quality.	Health effects	Ongoing- periods of demolition from Autumn 2022- Autumn 2028	Southwark Council, contractor (TBC)
Throughout the improvement works, identify and work with vulnerable people whose protected characteristics may make them more vulnerable to adverse health impacts.	Health effects	Ongoing during renewal period until completion of renewal (2028)	Southwark Council, especially the council's engagement team
Access to communal outdoor space should be maintained during the construction period to limit impacts on health caused by social isolation.	Health effects	Ongoing during renewal period until completion of renewal (2028)	Southwark Council, contractor (TBC)

Recommendation	Potential impact addressed	Timeframe	Responsibility
Ensure best practices for enhancing safety and preventing crime are considered throughout the planning and construction process.	Safety and security	Ongoing during renewal period until completion of renewal (2028)	Southwark Council, contractor (TBC)
Ensure a process is in place for reporting and addressing incidents of Anti-Social Behaviour (ASB) within the Estate.	Safety and security	Ongoing	Southwark Council, especially the council's engagement team
Monitor the security of the Estate and consider additional security where concerns are flagged. However, any enhanced security measures should only be implemented as a last resort, if deemed necessary, and in conjunction with residents, as it risks adding to a sense of vulnerability, isolation, and loss of sense of community for residents.	Safety and security	Ongoing	Southwark Council
Offer business development support to existing businesses to ensure they are equipped to maximise the opportunity that the refurbishment and/or redevelopment may bring, such as information on how they might diversify their business.	Barriers to reemployment	Ongoing until new business space opens in Winter 2026	Southwark Council
Accessible format consultation materials, including but not limited to, easy read, different community languages, audio, and braille, should be available on request.	Information and communication	Ongoing during renewal period until completion of renewal (2028)	Southwark Council
Access to information and communication should be available in a number of formats, including online and in one to one meetings, to ensure that all residents have safe access to information and support services as COVID- 19 restrictions continue.	Information and communication	Ongoing during renewal period until completion of renewal (2028)	Southwark Council
Ensure businesses are fully informed of the timescales that would affect them as soon as possible, including when they if and would need to vacate the premises and the period of time they would be inactive for before being able to reopen on the refurbished or redeveloped Estate.	Difficulty accessing commercial finance	Ongoing during Preparation period (Spring 2021- Summer 2022) up until businesses move in Phase 2 (Summer 2024)	Southwark Council
Follow Crime Prevention Through Environmental Design (CPTED) and Secure by Design principles in designing the built environment and public realm.	Tackling crime and disorder	Ongoing during renewal period until completion of renewal (2028)	Southwark Council, Common Grounds
Ensure the design of movement networks and public spaces specifically addresses the mobility needs of vulnerable groups. This can be achieved by applying principles of inclusive design.	Improved access, mobility and navigation Improved public realm and green space	Ongoing until completion of public space.	Southwark Council, Common Grounds
Involve the local community in planning and designing improvements to the public realm and green spaces, specifically targeting protected characteristic groups that are likely to benefit from improvements e.g. children, older people and disabled people.	Improved access, mobility and navigation	Ongoing until completion of public space.	Southwark Council, Common Grounds
Continue to involve the local community in decisions about which resources should be incorporated into the area, specifically targeting protected characteristic groups that are likely to benefit from improvements.	Provision of community resources and improved social cohesion	Ongoing	Southwark Council
Ensure analysis is undertaken to understand on any potential pressure on public services that could result from redevelopment (eg. extra pressure on schools and health care services).	Provision of community resources and improved social cohesion	Ongoing during Preparation period, and updated subsequently if relevant.	Southwark Council
Work with owners of new businesses in the renewal area to employ local people, focussing on groups that are vulnerable to unemployment e.g. ethnic minority groups, disabled people, young people.	New employment opportunities	Ongoing	Southwark Council
Ensure housing meets the needs of current and future residents.	Improved housing provision	Ongoing	Southwark Council

Recommendation	Potential impact addressed	Timeframe	Responsibility
Up-to-date information about the renewal, including what is going on before, during and after all stages of the renewal process should be shared with residents, businesses and community resources. This provides them with the means to understand the options available to them in order to make an informed decision on what they need to do and when.	Information and communication	Ongoing	Southwark Council, especially the council's engagement team
Businesses should qualify for disturbance payments in reflection of the potential impact of the redevelopment on their business	Potential loss of businesses	Ongoing	Southwark Council
Offer business development support to existing businesses to ensure they are equipped to maximise the opportunity that the refurbishment and/or redevelopment may bring. This should include engagement with each of the businesses to understand each business model, trading history, relocation requirements and identification of areas for support and diversification.	Potential loss of businesses	Ongoing	Southwark Council
Ensure that a business relocation and support approach is implemented to assist businesses in the relocation process and ensure minimum business disruption and to prevent the loss of business, if the business chooses to relocate permanently.	Potential loss of businesses	Ongoing	Southwark Council

Appendices

A. Analysis of existing evidence

This chapter sets out the finding of the desk-based review process, providing a literature review of the potential effects of the renewal on people with protected characteristics. All potential risks and opportunities of a typical housing renewal project have been considered.

Section A.1 discusses the potential effects on residents and community resources associated with rehousing. Section A.2 provides an overview of the potential effects of renewal on businesses and section A.3 sets out the community effects of estate renewal. All are segmented into key thematic areas and summarised in the impact assessment in Chapter 5.

A.1 Impact on resident and community resources during renewal

A1.1 Loss of social cohesion and access to community resources

The renewal process can involve temporary or permanent resettlement of residents and demolition of housing and community resources. This could lead to the risk of loss of social infrastructure and temporary or permanent access to this amenity provision. In particular, it can increase residents' distances from facilities or places of social connection located on or in close proximity to their neighbourhood. This can impact on all parts of the community, but can have a disproportionately negative effect on children, older people, disabled people, people who are pregnant, people from ethnic minority backgrounds and people from minority faith groups.

Children

The instability caused by involuntary relocation has the potential to be particularly disruptive to children. Such disruption can be attributed to stress and anxiety relating to changing schools and the need to adapt to new routines, staff, facilities and peers. It is generally accepted that children develop better in stable environments with a degree of routine; sudden and dramatic disruptions can be both stressful and affect feelings of security.¹³

Evidence outlined by the Centre for Social Justice has indicated that where residential moves are accompanied by school moves for older children, the impact can be severe. It suggests that school moves can disrupt learning and are associated with a weaker educational performance within secondary school, particularly for children from disadvantaged backgrounds.¹⁴ Only 27 per cent of students who move secondary schools three times or more achieve five A* to C grade GCSEs, compared to the national average of 60 per cent.¹⁵ Research from the Centre for Social Justice also found that two or more school moves before the age of twelve can lead to behavioural problems later in childhood.¹⁶

¹³ Sandstrom, H and Huerta, S (2013) 'The Negative Effects of Instability on Child Development' Available at: <https://www.urban.org/sites/default/files/publication/32706/412899-The-Negative-Effects-of-Instability-on-Child-Development-A-Research-Synthesis.PDF>

¹⁴ The Centre for Social Justice (2016) 'Home Improvements, a social justice approach to housing policy'. Available at: <https://www.centreforsocialjustice.org.uk/core/wp-content/uploads/2016/08/Home-Improvements-full-report.pdf>

¹⁵ The Centre for Social Justice (2016) 'Home Improvements, a social justice approach to housing policy'.

¹⁶ The Centre for Social Justice (2016) 'Home Improvements, a social justice approach to housing policy'. Available at: <https://www.centreforsocialjustice.org.uk/core/wp-content/uploads/2016/08/Home-Improvements-full-report.pdf>

¹⁷ University of Manchester (undated) 'The impact of primary-secondary school transition for children with autism spectrum conditions: a longitudinal, mixed-methods study'. Available at: <http://documents.manchester.ac.uk/display.aspx?DocID=20008%20>

¹⁸ Yeung, J., Wearing, S., & Hills, A. P. (2008). *Child transport practices and perceived barriers in active commuting to school. Transportation Research Part A: Policy and Practice*, 42(6), 895-900.

¹⁹ Joseph Rowntree Foundation (2016) 'Falling short: the experience of families living below the minimum income standard'. Available at: <https://www.jrf.org.uk/report/falling-short-experiences-families-below-minimum-income-standard>

Children with autism spectrum conditions may also find new routines, expectations, and social relationships of a new school environment to be especially challenging, which can have further negative effects on educational attainment and wellbeing.¹⁷

Relocation can often mean a longer journey travelling to school, which can result in negative effects on health and well-being due to increased time spent inactive. Research has found that the travel distance to school influences the transportation mode choice of children, and longer distances can result in a change from active transportation such as cycling or walking, to sedentary transportation, such as vehicular transport.¹⁸

Children from low-income families may be particularly impacted by relocation due to loss of local informal child care support. A study from the Joseph Rowntree Foundation showed that informal childcare support from grandparents was one important factor in enabling parents to work, generating income and preventing families from going without daily necessities.¹⁹

Relocation can also have negative mental health effects on children and adolescents for a number of reasons, including: weakened social ties, disturbed social networks, household disruption, social isolation and a reduction in parent-child interactions.²⁰

Loss of relationships with peers and adults can cause anxiety and hinder both social development and educational attainment.²¹ Children at key stage two experience an average of a twelve per cent drop in Maths and English attainment within a year of a changing schools.²²

The loss of facilities where children can socialise, and play could be particularly detrimental to children living in the local area. Demolition and resource relocation could adversely affect access to child social networks. Evidence suggests that early years provision plays an important role in a child's development and that free play in early childhood is a vital experience through which child learn social, conceptual and creative skills, as well as increasing their knowledge and understanding of the world.²³

Older people

The loss of long-standing community links risks creating feelings of isolation, particularly amongst older people. Age UK research indicates that physical isolation, a lack of social resources and a removal of familiarity can all contribute to feelings of isolation and loneliness amongst older people.²⁴ Age UK research indicates that physical isolation, a lack of social resources and a removal of familiarity can all contribute to feelings of isolation and loneliness amongst older people.²⁵ This in turn can lead to negative health outcomes such as poorer mental health, a higher likelihood of developing certain health conditions (e.g. obesity and alcoholism) and a greater risk of hospitalisation.²⁶ Loneliness increases the likelihood of mortality by 26 per cent

²⁰ Morris, T, Manley D, Northstone, K, Sabel, C, (2017): 'How do moving and other major life events impact mental health? A longitudinal analysis of UK children'

²¹ Adam, Emma K., and P. Lindsay Chase-Lansdale. (2002): 'Home Sweet Home(s): Parental Separations, Residential Moves, and Adjustment in Low-Income Adolescent Girls.' *Developmental Psychology* 8(1) :792-80

²² RSA. (2013): 'Falling between the cracks; Exploring in-year admissions in schools in England'

²³ Nation Children's Bureau (2007): 'Free Play in Early Childhood'

²⁴ Age UK (2015) 'Evidence Review: Loneliness in Later Life'. Available at: https://www.ageuk.org.uk/globalassets/age-scotland/documents/reports-and-publications/reports-and-briefings/health-wellbeing/rb_june15_loneliness_in_later_life_evidence_review.pdf

²⁵ Age UK (2015) 'Evidence Review: Loneliness in Later Life'. Available at: https://www.ageuk.org.uk/globalassets/age-scotland/documents/reports-and-publications/reports-and-briefings/health-wellbeing/rb_june15_loneliness_in_later_life_evidence_review.pdf

²⁶ IoTUK (2017): 'Social Isolation and Loneliness in the UK' Available at: <https://iotuk.org.uk/social-isolation-and-loneliness-report/>

among those over the age of 65 and raises the risk of developing conditions, such as high blood pressure, heart disease and stroke.²⁷ The link between older people and the likelihood of experiencing feelings of isolation and loneliness indicates that this group may be disproportionately negatively impacted by relocation. This can equally be the case for older people remaining in or very close to an area being redeveloped.²⁸

As demolition proceeds, local amenities and services (such as shops, community centres and health facilities) may decide to close. Some community resources may be included in the demolition process. The loss of these resources can have a disproportionately negative effect on older people remaining in the neighbouring areas, who may find it more challenging to travel to new services outside of their neighbourhood.²⁹ Furthermore, for local businesses, the loss of their traditional customer base following the relocation of residents can force closures, further reducing the choice of services available to people in the community, with older people among the most likely to be affected. Research from Age UK found that reduced access to community facilities can, have serious negative effects on mental health and wellbeing, and increase rates of cardiovascular disease in older people.³⁰

The impact of the COVID- 19 pandemic has already had an impact on feelings of social isolation amongst older people. In the UK, from March 2020, almost nine million people over the age of 70 were advised by the Government to 'strictly adhere' to social distancing rules, only leaving their home for essential purposes. Restrictions have increased social isolation and feelings of loneliness for older people.³¹

Disabled people

Relocation has the potential to cause stress, anxiety and uncertainty for disabled people. Changes, both minor and major, to some disabled people's routines and surroundings may adversely affect feelings of security and comfort. For example, research shows that people on the autism spectrum, tend to prefer set routines (such as traveling via the same routes) and rigid structures (such as preferences to room layouts or objects) as they can help to bring order to their daily life so that they know what is going to happen and when.³² Similarly, for those suffering from dementia or Alzheimer's learning about and interpreting new environments can be difficult, and relocation can create feelings of dissonance, confusion and discomfort.³³

The loss of community links may also have a disproportionate impact on disabled people. Findings from the Jo Cox Commission on loneliness found that over half of disabled people say they are lonely, with around one in four feeling lonely every day.³⁴ The report also states that forming and maintaining social connections can be a

challenge for people with a range of disabilities, including those with sensory impairments, learning disabilities, autism, physical and mobility impairments, mental health conditions, dementia, head and brain injury, neurological conditions, cancer and HIV. As disabled people can experience more barriers to forming social connections the loss of existing local social connections through residential displacement or loss of social resources could lead to disabled people experiencing further loneliness and isolation.

Relocation can also create stress, anxiety and uncertainty for people with disabilities regarding the accessibility of their new home. A report published by the EHRC identifies that across all housing tenures, there is a severe shortage of accessible housing. For example, one in three disabled people living in private rented properties live in unsuitable accommodation. This figure is one in five for disabled people living in social housing, and one in seven for disabled people who own their own home. Overall, in England, only 7% of homes offer the basic four accessibility features to make a home fully accessible (level access to the entrance, a flush threshold, sufficiently wide doorways and circulation space, and a toilet at entrance level).³⁵ This suggests that disabled people are more likely to be concerned about the accessibility of their new home compared to other residents. Additionally, a report by Leonard Cheshire Disability highlights that only 4% of those with mobility impairments who have looked for accessible homes said they were easy to find. In addition, they also found that some disabled people have also experienced difficulties in terms of local authorities being reluctant to fund adaptations that would allow them to live independently.³⁶

The disruption of social networks caused by relocation may also cause negative health outcomes for people with mental health problems and autism, many of whom depend on social networks to maintain their standard of living³⁷. People with mental health problems may be disproportionately impacted by stress and anxiety, especially if relocation is unexpected or accompanied by financial stress³⁸. Research from Wilding (2017) found that increased rates of mental ill health are associated with involuntary residential relocation.³⁹

The impact of the COVID- 19 pandemic and restrictions throughout 2020 have also had a negative impact on feelings of social isolation amongst disabled people. In May 2020 the Office for National Statistics found that nearly two thirds of disabled people said that COVID-19 concerns were affecting their wellbeing, compared with half of non-disabled people. One of the main reasons cited was feelings of loneliness or isolation.⁴⁰

Ethnic minority and/or minority faith groups

Ethnic minority and minority faith communities are also likely to experience adverse effects as a result of relocation. It has been identified that these groups may be more reliant on social networks, faith and cultural facilities. They are likely to have concerns over loss of social

²⁷ Age UK (2015): 'Campaign to end loneliness: threat to health'.

²⁸ Age UK (2015): 'Loneliness and Isolation evidence review'

²⁹ A. Power (2008) 'Does demolition or refurbishment of old and inefficient homes help to increase our environmental, social and economic viability'. Available at: <https://www.sciencedirect.com/science/article/pii/S0301421508004709>

³⁰ Age UK (2015): 'Campaign to end loneliness): 'Threat to health'

³¹ Wu, Bei (2020): 'Social isolation and loneliness among older adults in the context of COVID-19: a global challenge'. Available at: <https://ghrp.biomedcentral.com/articles/10.1186/s41256-020-00154-3>

³² National Autistic Society (2016) 'Obsessions, repetitive behaviour and routines'. Factsheet. Available at: <https://www.autism.org.uk/about/behaviour/obsessions-repetitive-routines.aspx>

³³ Son, G. R., Therrien, B., & Whall, A. (2002). 'Implicit memory and familiarity among elders with dementia'. *Journal of Nursing Scholarship*, 34(3), 263-267. Available at: <https://lemosandcrane.co.uk/resources/Journal%20of%20Nursing%20Scholarship%20-%20Implicit%20Memory%20and%20Familiarity%20Among%20Elders%20with%20Dementia.pdf>

³⁴ Sense for the Jo Cox Commission on Loneliness (2017) 'Someone cares if I'm not there'. Available at: <https://www.sense.org.uk/support-us/campaign/loneliness/>

³⁵ DCLG (2015). 'English Housing Survey: Adaptations and Accessibility Report' Available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/539541/Adaptations_and_Accessibility_Report.pdf

³⁶ Leonard Cheshire Disability (2014): 'The hidden housing crisis' Available at: <https://www.leonardcheshire.org/sites/default/files/Hidden%20Housing%20Crisis%20July%202014.pdf>

³⁷ National Autism Society. (2017): 'Moving house' URL: <https://www.autism.org.uk/movinghouse> 56

³⁸ Wilding et al., (2018): 'Place and preference effects on the association between mental health and internal migration within Great Britain' *Health and Place*. 52(1), pp 180-187

³⁹ Wilding et al., (2018): 'Place and preference effects on the association between mental health and internal migration within Great Britain' *Health and Place*. 52(1), pp 180-187

⁴⁰ ONS (2020): 'Coronavirus and the social impacts on disabled people in Great Britain: May 2020'. Available at: <https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/disability/articles/coronavirusandthesocialimpactsdisabledpeopleingreatbritain/may2020>

networks and facilities, as well as fears of isolation, harassment or language barriers in new locations.⁴¹ ethnic minority communities also tend to experience greater difficulty in accessing health care when compared to other sections of the population, and rehousing may exacerbate the issue.⁴²

Pregnancy and maternity

Evidence has suggested that women who move home while pregnant tend to experience an increase in stress and depression levels above and beyond that of women who move home when not pregnant.⁴³ Evidence also suggests that the stress and physical exercise involved with relocation can slightly increase the risk of miscarriage, preterm delivery, small for gestational age new-borns, low birthweight, preeclampsia / gestational hypertension and can exacerbate deep vein thrombosis which pregnant women are more at risk of.⁴⁴

Relocation can result in adverse health effects on those who are pregnant.. A 2015 survey carried out by the Care Quality Commission assessed the impact that having the same midwife had on pregnant women. The results showed that women who had the same midwife throughout pregnancy had more positive midwifery experiences than those who did not. The most negative experiences occurred with those who wanted to see the same midwife but were unable to.⁴⁵ Should relocation result in the need to make changes to preestablished antenatal services and relationships, this could negatively impact pregnant individuals.

A.1.2 Difficulty accessing finance (e.g. costs associated with moving home)

The need for residents to resettle can lead to an increase in their financial outgoings due to costs associated with moving and obtaining new housing. Rehousing costs could include removal services, the need to adapt a new home or buy new furniture. Access to the required finance to obtain new housing may be most limited for those at risk of financial exclusion, who experience difficulty trying to access appropriate and mainstream financial services, such as bank accounts, loans and mortgages.

Financial exclusion arises when an individual faces difficulty when trying to access appropriate and mainstream financial services. In the UK, certain groups are particularly vulnerable to financial exclusion. These include, **young people** not in employment, **lone parents**, **ethnic minority** groups and **older people**.⁴⁶ For example, young people may be unable to purchase a property due to cutbacks in social housing and increased house pricing.⁴⁷ For older people, research suggests that they (particularly those who have paid off a previous mortgage or those with no recent experience of moving home) are more reluctant to move.⁴⁸ Older people often lack the same financial means and income flexibility that afford people from younger age groups and those in full time employment the widest range of home ownership options. Relocation may

⁴¹ Joseph Rowntree Foundation (2007) 'Demolition, Relocation and affordable rehousing: Lessons from the housing market renewal pathfinders'. Available at: <https://www.jrf.org.uk/report/addressing-housing-affordability-clearance-and-relocation-issues-housing-market-renewal>

⁴² BME Health Forum (2010) 'Good Access in Practice: Promoting community development in the delivery of healthcare'. Available at: http://bmehf.org.uk/files/9013/6536/5135/Good_Access_in_Practice_final.pdf

⁴³ Tunstall, H., Pickett, K. and Johnsen, S. (2010): 'Residential mobility in the UK during pregnancy and infancy: Are pregnant women, new mothers and infants 'unhealthy migrants'?'

⁴⁴ NHS (2016): 'Deep vein thrombosis'; Royal College of Physicians and Faculty of Occupational Medicine (date unknown): 'Advising women with a healthy, uncomplicated, singleton pregnancy on: heavy lifting and the risk of miscarriage, preterm delivery and small for gestational age'

⁴⁵ Care Quality Commission (2015): '2015 survey of women's experiences of maternity care'. Available at: https://www.cqc.org.uk/sites/default/files/20151215b_mat15_statistical_release.pdf

⁴⁶ Joseph Rowntree Foundation (2008): 'Financial inclusion in the UK: Review of policy and practice'. Available at: <https://www.jrf.org.uk/sites/default/files/jrf/migrated/files/2234.pdf>

⁴⁷ Financial Conduct Authority (2016) 'Access to Financial Services in the UK' Available here: <https://www.fca.org.uk/publication/occasional-papers/occasional-paper-17.pdf>

also require older people who have savings and investments to use them in order to secure a new home, affecting their financial independence and stability.

Further, according to evidence presented to the House of Commons Communities and Local Government Committee, low income ethnic minority households often have limited experience of institutional loan finance.⁴⁹ They may also be less able to access commercial loans due to poor credit-ratings or their location in 'high risk' postcodes.

Those people from an ethnic minority background are more likely to live in low income households compared to those who are White British or from Other White Ethnic groups.⁵⁰

Financial exclusion is also geographically focussed. It is often the case that large numbers of financially excluded individuals live in areas where there are high levels of **deprivation**. Research suggests that approximately 35% of people living in deprived do not have a bank account, and that 68% of financially disengaged people living in the top 10% most financially exclude postcodes.⁵¹

According to evidence presented to the House of Commons Communities and Local Government Committee, relocation may also impact people who have savings and investments to use them in order to secure a new home, affecting their financial independence and stability.⁵²

A.1.3 Issues accessing appropriate, accessible and affordable housing

As renewal processes often involve the rehousing of many residents, issues may arise regarding sourcing suitable housing that meets the needs of the following groups:

Children

Families with children may also find it difficult to find housing that can accommodate their needs. A 2016 report highlighted that 3.6 million children in England are thought to be affected by poor housing, and a higher proportion of children live in overcrowded conditions than any other age group.⁵³ Children who live in overcrowded accommodation have an increased risk of developing respiratory conditions, infections and psychological problems.⁵⁴ It can also increase their risk of injury, for example, bed sharing, which is more likely to occur in overcrowded houses, has been identified as a factor contributing to Sudden Infant Death Syndrome (SIDS). Sleep disturbance is also more common amongst children in overcrowded households. Overall, overcrowded conditions present a potential source of stress and can negatively impact a child's emotional and physical health in the long term.⁵⁵

⁴⁸ Joseph Rowntree Foundation (2007) 'Demolition, Relocation and affordable rehousing: Lessons from the housing market renewal pathfinders'. Available at: <https://www.jrf.org.uk/report/addressing-housing-affordability-clearance-and-relocation-issues-housing-market-renewal>

⁴⁹ House of Commons Communities and Local Government Committee (2011) 'Regeneration Sixth Report of Session 2010–12'. Available at: <https://publications.parliament.uk/pa/cm201012/cmselect/cmcomloc/1014/1014.pdf>

⁵⁰ Department for Work and Pensions (2015) 'Low income'

⁵¹ Resolution Foundation (2007): 'In brief: Financial exclusion'.

⁵² House of Commons Communities and Local Government Committee (2011) 'Regeneration Sixth Report of Session 2010–12'. Available at: <https://publications.parliament.uk/pa/cm201012/cmselect/cmcomloc/1014/1014.pdf>

⁵³ National Children's Bureau (2016): 'Housing and the health of young children: Policy and evidence briefing for the VCSE sector'. Available at: <https://www.ncb.org.uk/sites/default/files/field/attachment/Housing%20and%20the%20Health%20of%20Young%20Children.pdf>

⁵⁴ House of Commons Communities and Local Government Committee (2011) 'Regeneration Sixth Report of Session 2010–12'. Available at: <https://publications.parliament.uk/pa/cm201012/cmselect/cmcomloc/1014/1014.pdf>

⁵⁵ National Children's Bureau (2016): 'Housing and the health of young children: Policy and evidence briefing for the VCSE sector'. Available at: <https://www.ncb.org.uk/sites/default/files/field/attachment/Housing%20and%20the%20Health%20of%20Young%20Children.pdf>

Disabled people

Disabled people (particularly those with mobility impairments) often experience difficulties trying to find a suitable, accessible home. A report by Leonard Cheshire Disability highlights that only 4% of those with mobility impairments who have looked for accessible homes said they were easy to find. In addition, they also found that some disabled people have also experienced difficulties in terms of local authorities being reluctant to fund adaptations that would allow them to live independently.⁵⁶

A report published by the Equality and Human Rights Commission has further highlighted some of the existing issues in terms of housing for disabled people. The report states that across all housing tenures, there is a severe shortage of accessible housing. For example, one in three disabled people living in private rented properties live in unsuitable accommodation. This figure is one in five for disabled people living in social housing, and one in seven for disabled people who own their own home. Overall, in England, only 7% of homes offer the basic four accessibility features to make a home fully accessible (level access to the entrance, a flush threshold, sufficiently wide doorways and circulation space, and a toilet at entrance level).⁵⁷ One conclusion of the report was that there are too many gaps in data held by local authorities. For example, 65% of local authorities do not know whether its social or affordable rented housing stock is accessible.⁵⁸

People with a disability who live in social housing could experience particularly acute effects. The introduction of the 'removal of the spare room subsidy' or 'bedroom tax' in 2013 has had a disproportionate impact on disabled people in social housing; two thirds of those affected have a disability. Research shows that disabled people have found it difficult to take up proposed mitigation measures, such as taking up work, working longer hours or downsizing, and thus have had their income reduced by £12 to £22 per week, depending on the number of spare bedrooms. These changes have resulted in increased poverty and adverse effects on health, well-being and social relationships of disabled residents in social housing.⁵⁹

Ethnic minority

Research by the Runnymede Trust highlighted that people from all ethnic minority groups are more likely to live in overcrowded housing when compared to the White British population. For example, around 40% of Black African and 36% of Bangladeshi people in the UK live in overcrowded housing.⁶⁰

Ethnic minority households may also be impacted by the availability of affordable housing when relocating to new areas. It was reported in 2017 that rents are less affordable for most ethnic

minority groups when compared to White British households.⁶¹ Two-fifths of people from an ethnic minority background live in low-income households.⁶² Additionally, evidence from the Runnymede Trust suggests that ethnic minority communities are more likely to experience homelessness than their white counterparts.⁶³ Therefore, it is possible that ethnic minority households could experience difficulties in finding suitable housing that accommodates their needs.

Older people

When relocating, a lack of affordable and/or quality housing is more likely to adversely affect older people (and particularly pensioners) who have lower average incomes than working-age people and are therefore less likely to be able to secure additional sources of income to buy a new property.⁶⁴ Research by the Joseph Rowntree Foundation found that older people often lack the same financial means and income flexibility compared to other age groups, especially younger people and those in employment.⁶⁵ A lack of financial means can limit the range of ownership options available to older people and relocation may cause older people to use savings and investments in order to secure a new home. This can potentially affect their long-term financial independence and stability.⁶⁶ Research from the Council of Mortgage Lending shows that older people only account for one per cent of all mortgage lending, which further indicates that they may experience difficulties in accessing finance to facilitate relocation.⁶⁷

Older people are also more likely to need specialist housing which meets their needs. Evidence estimates that the potential national demand for specialist retirement housing, which cannot be met from existing stock.⁶⁸ As such, it is likely to be more difficult for older people to relocate to appropriate housing. Health effects, such as increases in respiratory disease, have been associated with poor housing and could arise as a consequence of the need to relocate to a less well-suited property. Older people have a higher rate of health conditions such as respiratory disease, compared to the general population. This makes such effects more likely to arise amongst this group.⁶⁹

A.1.4 Health effects

Relocation can have a negative impact on an individual's mental health and well-being, as measured by the SF-12 Mental Health Composite Score⁷⁰ and Warwick-Edinburgh Mental Wellbeing Scale test.⁷¹ These tests have shown that relocation can create increased levels of depression and anxiety.⁷² The associated impacts have been found to be more severe when there is a lack or perceived lack of control over the decision.⁷³ This stress has been attributed to

⁵⁶ Leonard Cheshire Disability (2014): 'The hidden housing crisis' Available at:

<https://www.leonardcheshire.org/sites/default/files/Hidden%20Housing%20Crisis%20July%202014.pdf>

⁵⁷ DCLG (2015). 'English Housing Survey: Adaptations and Accessibility Report' Available at:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/539541/Adaptations_and_Accessibility_Report.pdf

⁵⁸ Equality and Human Rights Commission (2018): 'Housing and disabled people: Britain's hidden crisis'. Available at:

<https://www.equalityhumanrights.com/sites/default/files/housing-and-disabled-people-britains-hidden-crisis-main-report.pdf>

⁵⁹ Moffatt, S., Lawson, S., Patterson, R., Holding, E., Dennison, A., Sowden, S., & Brown, J. (2015). A qualitative study of the impact of the UK 'bedroom tax'. *Journal of Public Health*, 38(2), 197-205.

⁶⁰ Runnymede Trust (2016) 'Ethnic Inequalities in London: Capital For All'. Available at:

<https://www.runnymedetrust.org/uploads/images/London%20Inequality%20report%20v3.pdf>

⁶¹ Shelter (2017) 'BAME homelessness matters and is disproportionately rising – time for the government to act'. Available at:

<http://blog.shelter.org.uk/2017/10/bame-homelessness-matters-and-is-disproportionately-rising-time-for-the-government-to-act/>

⁶² The Poverty Site (2017). See: <http://www.poverty.org.uk/06/index.html>

⁶³ Runnymede Trust (2014) 'Black and Asian Britons more likely to be homeless or live in overcrowded houses'.

<https://www.runnymedetrust.org/news/558/272/Black-and-Asian-Britons-more-likely-to-be-homeless-or-live-in-overcrowded-homes.html>

⁶⁴ Council of Mortgage Lending. (2015): 'Pension tension: the challenges for older borrowers'

⁶⁵ Joseph Rowntree Foundation. (2007): 'Demolition, Relocation and affordable rehousing: Lessons from the housing market renewal pathfinders.'

⁶⁶ Joseph Rowntree Foundation. (2007): 'Demolition, Relocation and affordable rehousing: Lessons from the housing market renewal pathfinders'

⁶⁷ Council of Mortgage Lending. (2015): 'Pension tension: the challenges for older borrowers'

⁶⁸ Housing Age UK (2014): 'Housing in later life'

⁶⁹ Housing Age UK (2014): 'Housing in later life'

⁷⁰ The SF-12 is a multipurpose short form survey with 12 questions, all selected from the SF-36 Health Survey (Ware, Kosinski, and Keller, 1996). The questions are combined, scored, and weighted to create two scales that provide glimpses into mental and physical functioning and overall health-related-quality of life.

⁷¹ The Warwick-Edinburgh Mental Well-being scale was developed to enable the monitoring of mental wellbeing in the general population and the evaluation of projects, programmes and policies which aim to improve mental wellbeing. WEMWBS is a 14 item scale with 5 response categories, summed to provide a single score ranging from 14-70. The items are all worded positively and cover both feeling and functioning aspects of mental wellbeing.

⁷² Cleland, C., Kearns, A., Tannahill, C. and Ellaway, A. (2016). The impact of life events on adult physical and mental health and well-being: longitudinal analysis using the GoWell health and well-being survey. Available at: <https://bmresnotes.biomedcentral.com/articles/10.1186/s13104-016-2278-x>

⁷³ Thomson H, Petticrew M, Douglas M. (2003): 'Health impact assessment of housing improvements: Incorporating research evidence'. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1732281/pdf/v057p00011.pdf>

the anticipation of disruption, extra costs for residents and undermining of community stability and support networks.

Children, young people, older people and disabled people

Relocation can create a great deal of stress and anxiety amongst **children** and **young people** due to the need to adapt to new routines, facilities and surroundings.⁷⁴

There is also evidence that involuntary relocation can have a significant impact on **older people**. For example, it has been shown that mortality rates for those moved involuntarily due to urban renewal (either temporarily or permanently) can be higher than non-movers and those who move voluntarily.⁷⁵

As noted above, for older people and disabled people, the loss of community connections due to relocation may lead to feelings of isolation and loneliness, which are in turn linked to negative health outcomes such as poorer mental health, a higher likelihood of developing certain health conditions (e.g. obesity and alcoholism) and a greater risk of hospitalisation.⁷⁶

Older people and disabled people are also likely to be disproportionately affected by changes in air quality that may occur throughout the demolition and construction stages of a scheme. Older people with respiratory conditions such as asthma are likely to be more susceptible to the effects of air pollution when compared to other groups. This is particularly the case if they have underlying COPD (Chronic Obstructive Pulmonary Disease).⁷⁷ Disabled people with heart or lung conditions are also at an increased risk of becoming ill and needing treatment as a result of air pollution.⁷⁸

Noise pollution may arise as a result of demolition and construction. Research has linked noise pollution to several adverse outcomes for older people, including cardiovascular diseases, sleep disturbance, tinnitus, and stress.⁷⁹

Expectant mothers and children

There are associated health effects related to the demolition of housing and the displacement from housing. For example, it has been found that the birth weight of babies can be affected by demolition and displacement. This is due to the potential for expectant mothers to experience an increase in stress and loss of social support when displacement occurs.⁸⁰ As the redevelopment involves both demolition and relocation, it is possible that this adverse impact may arise.

Children are likely to be disproportionately affected by changes in noise pollution and air quality that may occur throughout the demolition and construction stages of a scheme. Noise

associated with demolition and construction can also impact the health of vulnerable people remaining in the nearby community. Research shows that noise can negatively affect children's cognitive learning and memory.⁸¹

Exposure to air pollution during infancy can result in neurodevelopment and long-term cognitive health problems.⁸² In addition, research from Asthma UK highlights that air pollution is more detrimental to children when compared to other age groups with the condition. This is due to children have faster breathing rates and lungs that are still developing.⁸³

Lastly, antenatal exposure to air pollution may alter the lung development of a baby whilst in the womb. If a baby is exposed to significant levels of air pollution, this can increase the risk of premature birth and low birth weight.⁸⁴

A.1.5 Safety and security

In the lead up to the renewal process and during the decanting and demolition of properties in the area, properties will be vacated and can fall into disrepair. This can attract unwanted activity including anti-social behaviour and crime such as increased vandalism, arson, break-ins and other damage to neighboring homes.⁸⁵

Children, young people, older people, disabled people, ethnic minority groups, LGBT people, men and women

This potential increase in crime can impact a number of vulnerable groups remaining in the community during demolition who are more likely to be a victim or witness of crime. An Ipsos MORI survey on public views of policing in England and Wales in 2016 determined that groups who were more likely to have had contact with their local police as a victim or witness include: young people aged 16-34, disabled people, those from ethnic minority backgrounds, and lesbian, gay, bisexual and transgender (LGBT) people.⁸⁶

The Crime Survey for England and Wales (CSEW), has also identified that a number of protected characteristic groups are more likely to be victims to crime:

- Men are more likely to be victims of violent crime than women.⁸⁷
- Mixed and Asian ethnic groups are more likely to have said they were victim of crime compared to white people.⁸⁸
- Younger people aged 16 to 24 are more likely to be victims of violence than those in older age groups.⁸⁹

⁷⁴ Sandstrom, H and Huerta, S (2013): 'The Negative Effects of Instability on Child Development'. Available at: <https://www.urban.org/sites/default/files/publication/32706/412899-The-Negative-Effects-of-Instability-on-Child-Development-A-Research-Synthesis.PDF>

⁷⁵ Danermark BD, Ekstrom ME and Bodin LL (1996): 'Effects of residential relocation on mortality and morbidity among elderly people'. Available at: https://www.academia.edu/19474641/Effects_of_residential_relocation_on_mortality_and_morbidity_among_elderly_people

⁷⁶ IoTUK (2017) 'Social Isolation and Loneliness in the UK'. Available at: <https://iotuk.org.uk/social-isolation-and-loneliness-report/>

⁷⁷ Asthma UK (2017): 'Pollution'. Available at <https://www.asthma.org.uk/advice/triggers/pollution/>

⁷⁸ Department for Environmental Food and Rural Affairs (2013): 'Guide to UK Air Pollution Information Resources'. Available at:

⁷⁹ World Health Organisation (2011): 'Burden of disease from environmental noise Quantification of healthy life years lost in Europe'. Available at: http://www.who.int/quantifying_ehimpacts/publications/e94888.pdf?ua=1

⁸⁰ Kramer, M., et al. (2012): 'Housing Transitions and Low Birth Weight Among Low-Income Women: Longitudinal Study of the Perinatal Consequences of Changing Public Housing Policy'. Available at: <https://www.ncbi.nlm.nih.gov/pubmed/23078464>

⁸¹ Gupta, A. et al (2018): 'Noise Pollution and Impact on Children Health'. Available at: <https://link.springer.com/article/10.1007/s12098-017-2579-7>

⁸² Royal College of Physicians (2016) 'Every breath we take: the lifelong impact of air pollution'. Available at: <https://www.rcplondon.ac.uk/projects/outputs/every-breath-we-take-lifelong-impact-air-pollution>

⁸³ Asthma UK (2017): 'Pollution'. Available at <https://www.asthma.org.uk/advice/triggers/pollution/>

⁸⁴ British Lung Foundation (2016): 'How air pollution affects your children's lungs'. Available at: <https://www.blf.org.uk/support-for-you/signs-of-breathing-problems-in-children/air-pollution>

⁸⁵ Power, A. (2010): 'Housing and sustainability: demolition or refurbishment?'. Available at https://uk-air.defra.gov.uk/assets/documents/reports/cat14/1406191156_060618_Guide_to_UK_Air_Pollution_Information_Resources-issue_2-FINAL.pdf <https://www.icevirtuallibrary.com/doi/abs/10.1680/udap.2010.163.4.205>

⁸⁶ Ipsos MORI (2016): 'Public views of policing in England and Wales'. Available at: <https://www.ipsos.com/sites/default/files/migrations/en-uk/files/Assets/Docs/Publications/sri-public-views-of-policing-in-england-and-wales.pdf>

⁸⁷ Office for National Statistics (2018) 'The nature of violent crime in England and Wales: year ending March 2018' Available at: <https://www.ons.gov.uk/peoplepopulationandcommunity/crimeandjustice/articles/thenatureofviolentcrimeinenglandandwales/yearendi-ngmarch2018>

⁸⁸ Gov.uk (2019) 'Victims of crime'. Available at: <https://www.ethnicity-facts-figures.service.gov.uk/crime-justice-and-the-law/crime-and-reoffending/victims-of-crime/latest>

⁸⁹ Gov.uk (2019) 'Victims of crime'. Available at: <https://www.ethnicity-facts-figures.service.gov.uk/crime-justice-and-the-law/crime-and-reoffending/victims-of-crime/latest>

In addition, the fear of crime is also more prevalent amongst the following groups, and consequently this can have an effect on individual mental health and wellbeing.⁹⁰

- Evidence from Age UK suggests that although older people are generally at a lower risk of crime compared to other ages, they are often more fearful of crime.⁹¹
- Fear of crime can be an issue for women when they are travelling. Data from the ONS Crime Survey for England and Wales suggests that women fear more for their safety than men when walking alone at night – two fifths of women reported feeling 'somewhat unsafe' and one in eight reported feeling 'very unsafe'.⁹²
- A study by Transport for London highlights that ethnic minority individuals are more likely to express concerns over safety and security when travelling (particularly after dark) than white people and are more likely to say that their frequency of travel is affected 'a lot' or 'a little' due to these concerns.⁹³
- Research from Stonewall demonstrates that LGBT people often fear for their safety and well-being in public spaces and on pedestrian journeys.⁹⁴

It has been suggested that fear of crime can contribute to social isolation, particularly for vulnerable groups such as children, older people, ethnic minority groups and women.⁹⁵

A.1.6 Accessibility and mobility in the surrounding area

Evidence suggests that during construction the accessibility and mobility of the local area can be affected. In particular, construction can cause difficulties in relation to increased traffic in the local area, reducing parking (construction vehicles and subcontractors in parking), the construction activities blocking access to homes, shops, bus stops and pavements and safe routes, as well as effects on wayfinding.

Children

Changes in road traffic levels may reduce children's access to community and recreational facilities due to road severance and traffic delays.⁹⁶ Increased traffic in proximity to schools, or community facilities that are frequently used by children can also impact their concentration and long-term cognitive development.⁹⁷

Disabled people

Research shows that the presence of vehicular traffic can present a barrier for disabled people accessing community resources. National Travel Survey data shows disabled people are generally more likely to experience travel difficulties in the daily trips that they make.⁹⁸ Disabled people who travel by car are more likely to report difficulties due to congestion and roadworks, especially where the severity of the disability increases.⁹⁹ Short-term change to

transport networks and road alignment can act as a barrier for disabled people wanting to access community facilities, exacerbating issues such as loneliness and social isolation.¹⁰⁰

Older people

Changes to surface transport resulting from renewal of a housing estate may affect how older people interact with community facilities.¹⁰¹ Older people may find it difficult to access public spaces further away from their home or integrate into new social networks, due to severance caused by increases in road traffic.¹⁰²

A.1.7 Information and communication

Complex material and information on the regeneration may present a challenge to those who have different information and communication needs, this includes but is not limited to people with learning disabilities, people with low literacy levels, older people, people with visual or hearing impairments and people who use English as a second language.

Best practice guidance¹⁰³ and evidence suggests that the following processes can ensure that information documents are fully accessible to everyone and reduce concerns regarding access to information:

- information should be in short, concise sentences without jargon;
- pictures should be included where possible to support the text;
- the format, layout and length of document should be carefully considered;
- easy read, braille, audio and large print should be provided upon request; and
- information should be translated into people's first language upon request.

A.2 Impacts on businesses during renewal

A.2.1 Barriers to reemployment

The renewal programme may result in the closure and relocation of businesses. These changes may create redundancies or result in current staff being unable to access future employment at a different location. The following protected characteristic groups face barriers to employment and are therefore more likely to be affected by loss of existing employment due to business closure or relocation.

Older people

Research suggests that those who are older when they are made redundant experience additional barriers to returning to employment, one of these is the potential challenge of

⁹⁰ Stafford, M et al. (2006) 'Association between fear of crime and mental health and physical functioning'. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2040373/>

⁹¹ Age UK (2006) 'Crime and fear of crime: help the aged policy statement 2006'. Available at: https://www.ageuk.org.uk/documents/en-gb/for-professionals/communities-and-inclusion/crime_and_fear_of_crime_2006_pro.pdf?dtrk=true

⁹² ONS (2015) Crime Survey for England and Wales. Available at: <https://www.ons.gov.uk/peoplepopulationandcommunity/crimeandjustice/bulletins/crimeinenglandandwales/2015-07-16>

⁹³ Transport for London (2013) 'Attitudes to Safety and Security – Annual Report'. Available at: <https://tfl.gov.uk/corporate/publications-and-reports/safety-and-security>

⁹⁴ Stonewall (2017) LGBT in Britain: Hate Crime. Available at: <https://www.stonewall.org.uk/comeoutforLGBT/qbt-in-britain/hate-crime>

⁹⁵ Lorenc, T et al (2013) 'Fear of crime and the environment: systematic review of UK qualitative evidence'. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3666893/>

⁹⁶ Hiscock, R. and Mitchell, R (2011) 'What is needed to deliver places that provide good health to children?' Available at: http://www.edphis.org.uk/Report_on_Place_and_Children.pdf

⁹⁷ Institute of Education (2001): 'The effect of travel modes on children's mental health, cognitive and social development: a systematic review'

⁹⁸ Department for Transport (2019): 'National Travel Survey: 2018'

⁹⁹ Department for Transport (2017) 'Disabled people's travel behaviour and attitudes to travel' Available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/647703/disabled-peoples-travel-behaviour-and-attitudes-to-travel.pdf

¹⁰⁰ Equality and Human Rights Commission (2017): 'Being disabled in Britain: a journey less equal'

¹⁰¹ DfT (2017): Health impact analysis for the draft Airports National Policy Statement'

¹⁰² NatCen (2019): 'Transport, health and wellbeing: an evidence review for the Department for Transport'

¹⁰³ Change (2015): 'how to make information accessible: a guide to producing easy read documents' Available at: [How-to-make-info-accessible-guide-2016-Final \(changepeople.org\)](http://www.changepeople.org) Department for Health and Social Care (2010): 'Making written information easier to understand for people with learning disabilities' Available at: [Making written information easier to understand for people with learning disabilities - GOV.UK \(www.gov.uk\)](http://www.gov.uk) MENCAP (date unknown): 'Making myself clear' Available at: [Making-Myself-Clear.pdf \(accessibleinfo.co.uk\)](http://www.accessibleinfo.co.uk)

securing interviews for new positions.¹⁰⁴ According to research by Age UK, once unemployed, only 23% of people aged 50 years or above secure a new job within three months (compared to 35% of 35-49-year olds).¹⁰⁵ Research by Anglia Ruskin University found that older white British men were 22% less likely to be invited for interview when compared to their 28-year-old counterparts, and that that ageism increases for older male ethnic minority applicants and female applicants.¹⁰⁶ These groups may therefore experience disproportionate negative effects as a result of the loss of existing businesses and associated employment.

As **older people** may be more likely to own their own business, they may find relocation much more difficult than other groups. According to ONS data there were 4.6 million self-employed people in the UK at the end of 2015, which was an increase from 3.8 million in 2008; 43% of those were over 50.¹⁰⁷ After the 2008 recession, many older people were made redundant and there was a widely-reported lack of jobs suitable for people over the age of 50,¹⁰⁸ with many finding it difficult to find a new employer. Many took this as an opportunity to start their own businesses. Therefore, older business owners may be more likely to be disproportionately affected by relocation, particularly due to the time it takes to establish and build a customer base in a new location.

Older people, and people from ethnic minority backgrounds may be disproportionately impacted by the potential closure of small businesses, where self-employment is common. Research shows that part-time self-employment is highest among those over the age of 55, and that older people are the fastest growing age group of self-employed people, with those aged over 70 showing the greatest increase of those becoming self-employed out of the total UK workforce between 2001 and 2015.¹⁰⁹

Disabled people

According to research from the Equality and Human Rights Commission, disabled people are more likely to experience barriers to employment than non-disabled people. More than a third of disabled people in employment (36 per cent) say that they are limited in the amount or type of work that they do compared with less than a fifth (19 per cent) of non-disabled people. This increases to (66 per cent) for unemployed disabled people who say they are limited in the amount or type of work they could do, compared to 31 per cent of unemployed non-disabled people.¹¹⁰ This means that disabled people could be disproportionately impacted by loss of employment, particularly if their current working conditions would be difficult to find or replicate elsewhere, or if they have to travel further to work.

Ethnic minority groups

People from an ethnic minority background may be disproportionately impacted by loss of employment, as they are more likely to experience unemployment and face barriers to employment and social mobility. Research has shown that while educational attainment among people of minority ethnic backgrounds has improved, this has not been reflected in social mobility and job opportunities.¹¹¹ People from an ethnic minority background are also more likely to be unemployed. In 2017, just under 4% of White people were unemployed, compared with 8% from all non-White ethnic groups combined. Pakistani and Bangladeshi ethnic groups had the highest rate of unemployment, at 10%.¹¹²

A.1.1 Potential redundancy of employees associated with business loss or relocation

The redevelopment programme may lead to the closure or relocation of some businesses. These changes may create direct redundancies or indirect redundancies as a result in staff being unable to access employment once it has relocated to a new location. Such changes are likely to particularly impact some protected characteristic groups including older people, disabled people and minority ethnic groups.

Research suggests that **older people** who are made redundant face additional barriers to finding new employment compared to the other age groups, especially when attempting to secure interviews for potential new positions.¹¹³ Once unemployed, only 23% of those over the age of 50 gain employment within three months, compared to 35% of 35-49 year olds. Research by Anglia Ruskin University found that older white British men were also 22% less likely to be invited for interview when compared to their 28-year-old counterparts.¹¹⁴ This suggests that older people who lose their job as a result of the redevelopment may be significantly adversely impacted compared to the general population.

The proportion of **minority ethnic** workforce in the UK is expected to rise to almost 21% by 2051 and this is currently not reflected in the majority of workplaces, with many ethnic minorities concentrated in lower paying jobs.¹¹⁵ According to the Chartered Institute of Personnel and Development (CIPD) research, people from minority ethnic communities are significantly more likely to say that people's identity or background can have an effect on the opportunities they are given than white British employees.¹¹⁶ Minority ethnic people are also more likely to say that experiencing discrimination is a problem in their workplace.¹¹⁷ Research by the Centre of Social Investigation (CSI) also highlights that British employers are more likely to discriminate against job applicants with an ethnic minority background when making hiring decisions.¹¹⁸ The same CSI study also shows that Black Africans and applicants from the Middle East and North Africa (MENA) countries are more likely to be disproportionately discriminated against, when compared to the applicants of other minority ethnic groups.

¹⁰⁴ Leeds University Business School (2004): 'The Economic and Social Impact of Redundancies from Corus and Allied Steel and Wire in Wales'

¹⁰⁵ Age UK (2013): 'Older Workers at High Redundancy Risk' available at: <https://www.ageuk.org.uk/latest-press/archive/older-workers-at-high-redundancy-risk/>

¹⁰⁶ The Prince's Responsible Business Network (2017). 'Factsheet: Why employers need to tackle ageism in redundancy and recruitment processes.' Available at: https://age.bitc.org.uk/sites/default/files/business_in_the_community_factsheet_-_tackling_age_bias_in_processes.pdf

¹⁰⁷ Chartered Institute of Personnel and Development (2018): Megatrends

¹⁰⁸ Chartered Institute of Personnel and Development (2018): Megatrends

¹⁰⁹ Institute of Directors (2017) 'The Age of the Older Entrepreneur'. Available at:

<https://www.iod.com/Portals/0/PDFs/Campaigns%20and%20Reports/Start%20ups/Older-Entrepreneur-Report-loD.pdf>

¹¹⁰ Equality and Human Rights Commission (2013). *Barriers to unemployment and unfair treatment at work: a quantitative analysis of disabled people's experiences*. Available at: <https://www.equalityhumanrights.com/sites/default/files/research-report-88-barriers-to-employment-and-unfair-treatment-at-work-disabled-peoples-experiences.pdf>

¹¹¹ Brown, L., Heath, A., Li, Y., & Nazroo, J. (2013). *Addressing ethnic inequalities in social mobility: research findings from the CoDE and Cumberland Lodge policy workshop*. Available at: <http://hummedia.manchester.ac.uk/institutes/code/briefings/policy/code-social-mobility-briefing-Jun2014.pdf>

¹¹² Annual population survey (2018). 'Ethnicity facts and figures: Unemployment'

¹¹³ Centre for Aging Better (2020): 'Supporting Over 50s back to work' Available at: supporting-over-50s-back-to-work.pdf (ageing-better.org.uk)

¹¹⁴ Age UK (2013): 'Older Workers at High Redundancy Risk'

¹¹⁵ The McGregor-Smith Review (2017): 'Race in the workplace' Available at: [Race in the workplace: The McGregor-Smith review \(publishing.service.gov.uk\)](https://www.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/641111/race-in-the-workplace-the-mcgregor-smith-review.pdf)

¹¹⁶ CIPD (2017): 'Addressing the barriers to BAME employee career progression to the top' Available at: [*addressing-the-barriers-to-BAME-employee-career-progression-to-the-top_tcm18-333336.pdf \(cipd.co.uk\)](https://www.cipd.co.uk/media/118/333336.pdf)

¹¹⁷ CIPD (2017): 'Addressing the barriers to BAME employee career progression to the top' Available at: [*addressing-the-barriers-to-BAME-employee-career-progression-to-the-top_tcm18-333336.pdf \(cipd.co.uk\)](https://www.cipd.co.uk/media/118/333336.pdf)

¹¹⁸ CSI (2019): 'Are employers in Britain discriminating against ethnic minorities?' Available at: [Are employers in Britain discriminating against ethnic minorities? final.pdf \(ox.ac.uk\)](https://www.ox.ac.uk/sites/default/files/2019-06/are-employers-in-britain-discriminating-against-ethnic-minorities-final.pdf)

A.2.2 Impact of redundancy on health and well-being

Older people

Involuntary job loss due to redevelopment may have disproportionate health effects for older workers. Older workers are at an increased risk of cardiovascular disease due to increased stress resulting from contributing factors such as a lower likelihood of re-employment, a substantial loss of income and the severance of work-based social interactions.¹¹⁹

Children

Involuntary redundancy may also disproportionately impact the wellbeing of children. Research has shown that redundancy can create an increased risk of family tension and disruption, and that job loss can have detrimental effects on children including lowered self-esteem and socio-psychological well-being.¹²⁰ This is, in turn, is connected to effects on children's education attainment. Studies have shown that effects of parental redundancy on children including higher likelihood of grade repetition, dropout, suspension or expulsion from school, lower educational attainment and lower income of children in adulthood.¹²¹

A.2.3 Access to commercial finance

Renewal may result in effects on trade, relocation or closure. This may result in a need to access finance, which can be more difficult for particular groups

For businesses, redevelopment and renewal may result in relocation or closure. This may result in a need to access finance to secure new premises.

Ethnic minority groups

Research indicates that businesses owned by members of some ethnic groups are more likely to be denied a loan outright in comparison to White-owned businesses. Black African owned businesses are four times more likely to be denied a loan outright, Black Caribbean-owned businesses are three and a half times more likely, Bangladeshi-owned businesses are two and a half times more likely, and Pakistani-owned businesses are one and a half times more likely. This suggests that ethnic minority-owned businesses tend to experience greater difficulties in securing financial support, which could be detrimental where redevelopment results in a reduction in affordable commercial premises.¹²²

A.2.4 Impacts on customer base

With the announcement of demolition, local businesses and community facilities may relocate. Such relocation may impact the customer base that businesses have accumulated from the local area should the new business premises be further afield from existing customers.

Research suggests that **older people** may find it harder to access services and amenities that are located further away. For **disabled people**, especially those who have mobility impairments, the relocation or closure of businesses can reduce accessibility to services and amenities which they rely on, potentially increasing social isolation and the likelihood of negative mental health outcomes. People belonging to **minority ethnic groups** may also be more reliant on existing networks and links with local infrastructure when compared to other ethnic groups.

A.3 Impact on community following renewal process

A.3.1 Tackling crime and disorder

Levels of crime have in part be attributed to the urban environment. Using theoretical approaches such as Rational Choice Theory¹²³ and Broken Windows Theory,¹²⁴ a strong argument has developed which links the design of neighbourhoods and towns to levels of crime and disorder.¹²⁵ It has been argued that the opportunity for some forms of crime can be reduced through better thought-out approaches to planning and design of neighbourhoods and towns. For example, concepts such as Crime Prevention Through Environmental Design (CPTED)¹²⁶ are more frequently used today to ensure buildings and public spaces are designed in a way that aims to reduce the occurrence of crime and alter the environmental factors that might encourage criminal behaviour. Indeed, evidence suggests that homes built to 'Secured by Design' principles can reduce burglary and crime rates by up to 75%.¹²⁷

Children, young people, older people, disabled people, ethnic minority groups, men, women and LGBT people

Changes to the urban environment that affect crime and disorder can impact on those who are more likely to be a victim or witness of crime, including young people, disabled people, people from ethnic minority backgrounds, men and LGBT people. Changes may also affect those who are likely to be adversely impacted by fear of crime, including children, older people, ethnic minority groups, women and LGBT people.

A.3.2 Improved access, mobility and navigation

Aging and being disabled can lead to a decline in physical or cognitive functions, resulting in decreased social activity and narrowing of social networks.¹²⁸ Leisure activities are considered to be effective mediators between social relationships and wellbeing of **older people** and **disabled people**. This is because leisure is scientifically proven to help people overcome their stress resulting from a chronic condition or negative life event. Leisure activities provide disabled and old people with social support, and further mediate their stress-health relationship. Availability of leisure services and facilities could therefore benefit older and disabled people, who are in a greater need for social interaction than the general population.¹²⁹

¹¹⁹ Gallo, W. T., Bradley, E. H., Falba, T. A., Dubin, J. A., Cramer, L. D., Bogardus Jr, S. T., & Kasl, S. V. (2004). 'Involuntary job loss as a risk factor for subsequent myocardial infarction and stroke: findings from the Health and Retirement Survey'. American journal of industrial medicine, 45(5), 408-416. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1351254/pdf/nihms-6175.pdf>

¹²⁰ Brand, J. E. (2015). 'The far-reaching impact of job loss and unemployment'. Annual review of sociology, 41, 359-375. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4553243/>

¹²¹ Brand, J. E. (2015). 'The far-reaching impact of job loss and unemployment'. Annual review of sociology, 41, 359-375. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4553243/>

¹²² Enterprise Research Centre (2013): 'Diversity and SMEs'. Available at: <https://www.enterpriseresearch.ac.uk/wp-content/uploads/2013/12/ERC-White-Paper-No-3-Diversity-final.pdf>

¹²³ Felson and Clarke (1998) 'Opportunity Makes the Thief, Practical Theory of Crime Prevention'. Available at: <https://pdfs.semanticscholar.org/09db/dbce90b22357d58671c41a50c8c2f5dc1cf0.pdf>

¹²⁴ Wilson and Kelling (1982) 'Broken Windows: The police and neighbourhood safety'. Available at: <https://www.theatlantic.com/magazine/archive/1982/03/broken-windows/304465/>

¹²⁵ See for example, Monahan and Gemmell (2015) 'Reducing Crime Hotspots in City Centres'. Available at: <http://www.bre.co.uk/filelibrary/Briefing%20papers/102417-Crime-Hotspots-Briefing-Paper-v4.pdf>

¹²⁶ Jeffery (1971) 'Crime Prevention Through Environmental Design'. Sage publications

¹²⁷ Secured by Design (2014) 'Secured by Design: Reducing crime by good design'. Available at: <https://mbp.co.uk/wp-content/uploads/2017/06/Secured-by-Design-Reducing-Crime-by-Good-Design-reduced.pdf>

¹²⁸ Wray et al. (2014): 'Social relationships, leisure activity and health in older adults' Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4467537/>

¹²⁹ Liu et al. (2018): 'Social interaction patterns of the disabled people in asymmetric social dilemmas' Available at: <https://www.frontiersin.org/articles/10.3389/fpsyg.2018.01683/full>

A.3.3 Improve public realm and green space

The ability to access and use the public realm is vitally important to ensuring people feel that they are active members of their society. This includes basic activities such as using local shops or meeting up with people in a shared space outside close to home.¹³⁰

However, it has been acknowledged that **disabled people** and **ethnic minority** communities are less likely to take part in public life than other sections of the population.¹³¹ For disabled people, public spaces can often be inaccessible. The presence of vehicular traffic and lack of accessible design (such as the use of appropriate paving and lighting) can present a barrier to using outdoor, shared public spaces.¹³² And, evidence suggests that in areas where over 40% of residents are ethnic minority, there is 11 times less green space when compared to areas where residents are largely White.¹³³

The inclusion of community gardens and other public green spaces through redevelopment can also benefit **older people, children, and disabled people**. Research reports that interaction with nature or gardening can improve attentional functioning for children who have Attention Deficit Hyperactivity Disorder (ADD) and can also reduce stress levels and improve self-esteem for children. Such inclusion can also improve self-identity and a sense of purpose for those with dementia, and can generally improve social interaction, social mixing, and community building.¹³⁴

Better access to, and management of, the public realm is also important to the provision of play space for children. When children are able to play in an outdoor environment, they tend to be more active which supports positive mental health and wellbeing.

Disabled people

Research into the health benefits of urban green space has found that it can positively impact both physical and mental health. With physical health, a UK study found that those who live within 500 meters of accessible green space are 24% more likely to take part in 30 minutes of physical activity daily. In terms of mental health, green space can provide areas that encourage social interaction and integration and can indirectly benefit the wellbeing of users.¹³⁵

Ethnic minority

Research has found that in urban areas ethnic minority groups tend to have less access to local green space, and the space they can access is often of poor quality. For example, in the UK, wards that have an ethnic minority population of less than 2% have six times as much green space as wards where the ethnic minority population is over 40%.¹³⁶ The provision of green space is therefore likely to benefit this group.

Children

Children are likely to benefit from urban green space. Research carried out by UCL highlighted that urban green space can have a positive role in a child's cognitive functioning. The study

found that children who lived in areas with more green space outperformed those from areas with less green space.¹³⁷ Exposure to green space is also important for a child's wellbeing and healthy development. However, children living in London can experience barriers in access to green space compared to the rest of the UK. This is due to the high population densities, deficiencies in green space and poor access to private gardens that are characteristic of London.¹³⁸

The presence of urban green space also presents an opportunity to incorporate play space into regeneration schemes. Research by Play England has highlighted the benefits of play to children, and how play is central to a child's physical, psychological and social wellbeing. Play space can enable children to form friendships, interact with others and feel part of a group, something that is important to levels of self-esteem. Play space can also encourage children to have familiarity with an area and identify as part of a community. Lastly, ensuring that outdoor play space is fun and enjoyable for children is a key motivator for physical activity and exercise.¹³⁹

Older people

Urban green space may also benefit older people. Evidence suggests that inner-city green space can promote social cohesion and instil a sense of community. Social contact is especially important for the health and wellbeing of older people as social isolation has been linked to poor health and increased mortality rates.¹⁴⁰

However, in order to ensure the best outcomes, the design and maintenance of green space is important. Well designed and maintained spaces that have attractive green areas and planted vegetation are perceived as safer and more 'walkable'. If green space is not maintained and becomes littered and derelict, the appeal of the green space decreases and anti-social behaviour can occur.¹⁴¹ Evidence shows that safety of urban green space is particularly important to women and ethnic minority individuals. These groups may perceive themselves as vulnerable when visiting urban green spaces due to previous experiences of victimisation or harassment. Such experiences can result in these groups feeling fearful of urban green space.¹⁴²

Overall, the provision and maintenance of green spaces in urban areas can make an important contribution to the health and wellbeing of several groups, specifically ethnic minority, children and older people. However, such space must be appropriately managed and maintained to ensure positive outcomes, and so that users (particularly women and ethnic minority individuals) feel safe.

A.3.4 Provision of community resource and improved social cohesion

community resources provide important places of social connection and promote wellbeing for **children, older people, disabled people, people from an ethnic minority background and pregnant women**. Regeneration of areas can include both continued access to and the creation

¹³⁰ House of Commons Women and Equalities Committee (2017): 'Building for Equality: Disability and the Built Environment'.

¹³¹ Greater London Authority (2017): 'The Mayor's vision for a diverse and inclusive city: Draft for consultation'.

¹³² House of Commons Women and Equalities Committee (2017): 'Building for Equality: Disability and the Built Environment'.

¹³³ CABE (2016): 'Community green: using local spaces to tackle inequality and improve health'.

¹³⁴ Maheshwari, S. (2017). 'Food in the City: Review of Psychological Impact of Growing Food in Urban Spaces'. *Journal of Innovation for Inclusive Development*, 2(1), 36-43.

¹³⁵ Houses of Parliament, Parliamentary Office of Science & Technology (2016): 'Green Space and Health'. Available at: <https://www.ethnicity-facts-figures.service.gov.uk/housing/housing-conditions/fuel-poverty/latest>

<http://researchbriefings.files.parliament.uk/documents/POST-PN-0538/POST-PN-0538.pdf>

¹³⁶ Commission for Architecture and the Built Environment (2010): 'Community green: Using local spaces to tackle inequality and improve health'. Available at: <https://www.designcouncil.org.uk/sites/default/files/asset/document/community-green-full-report.pdf>

¹³⁷ UCL (2018): 'Greener neighbourhoods may be good for children's brains'. Available at:

<https://www.ucl.ac.uk/oe/news/2018/sep/greener-neighbourhoods-may-be-good-childrens-brains>

¹³⁸ London Sustainable Development Commission (2011): 'Sowing the seeds: Reconnecting London's children with nature'. Available at:

https://www.london.gov.uk/sites/default/files/lscdc_-_sowing_the_seeds_-_full_report_2011.pdf

¹³⁹ Play England (2012): 'A literature review on the effects of a lack of play on children's lives'. Available at:

<http://www.playengland.net/wp-content/uploads/2015/09/a-world-without-play-literature-review-2012.pdf>

¹⁴⁰ World Health Organisation (2016): 'Urban green spaces and health, a review of evidence'. Available at:

http://www.euro.who.int/_data/assets/pdf_file/0005/321971/Urban-green-spaces-and-health-review-evidence.pdf?ua=1

¹⁴¹ Houses of Parliament, Parliamentary Office of Science & Technology (2016): 'Green Space and Health'. Available at:

<http://researchbriefings.files.parliament.uk/documents/POST-PN-0538/POST-PN-0538.pdf>

¹⁴² World Health Organisation (2016): 'Urban green spaces and health, a review of evidence'. Available at:

http://www.euro.who.int/_data/assets/pdf_file/0005/321971/Urban-green-spaces-and-health-review-evidence.pdf?ua=1

of community resources, improving social cohesion and community relations. This can impact on all parts of the community, but can have a disproportionate effect on the above groups

Improved provision of affordable and accessible facilities for sports and physical activity would positively impact groups that often face barriers to participation, including older people, disabled people, ethnic minority communities, and those who identify as LGBT.¹⁴³

A.3.5 New employment opportunities

Renewal and regeneration where done effectively can act as a means of promoting economic growth and supporting job creation.¹⁴⁴ For example, property development can contribute to urban economic regeneration through the enabling of local stores to grow and expand, and through attracting investment to the area and revitalising neighbourhoods. It can also facilitate improved connectivity between communities and places of employment and education. Improved opportunities to access employment and education can serve to help address issues of inequality and improve social mobility, this may particularly benefit the protected characteristic groups who are more likely to face barriers to employment. These groups include older people, disabled people, and those from an ethnic minority background.

New opportunities may also positively affect other protected characteristics groups who are more likely to face unemployment, including young people and women. Statistics released in 2018 have shown that for the first time since the 1980s, British women are more likely to be unemployed than men. For young people, amongst those aged 16-24, 11.2% are Not in Education, Employment or Training (NEET). Recent unemployment statistics for the UK show that young people are around four times more likely to be unemployed than their adult counterparts aged 25-64.¹⁴⁵

A.3.6 Improved housing provision

Regeneration can lead to the relocation of residents. Whilst negative effects can arise as a result of relocation, positive effects may also arise. This is particularly likely to be the case should residents move to an area with more green space, and better air quality. Groups that are susceptible to air pollution (see section A.1.4), and may therefore benefit from relocation, include children, older people, disabled people and those who are pregnant.

Section 3.3.3 outlines the importance of appropriate, accessible and affordable housing for particular protected characteristic groups, including children, disabled people, and people from an ethnic minority background. The regeneration of the area will improve the housing provision in the local areas increasing capacity and quality. This can affect all parts of the community but can have a disproportionate effect on the above groups.

Children and older people

Through redevelopment, homes can be re-provided to a high standard, including better sound proofing and lower energy costs and consumption levels.¹⁴⁶ With regard to noise, reduced levels due to redevelopment can disproportionately impact children and older people.

With regard to insulation, the Decent Homes Standard (DHS) requires local authorities to make sure all social housing provides a reasonable degree of thermal comfort to its residents. This includes ensuring efficient heating is provided with use of minimum insulation levels. However, the DHS does not require local authorities to ensure all social housing is heated affordably, and therefore does not always automatically serve to address issues such as fuel poverty.¹⁴⁷

Fuel poverty and cold housing can have several detrimental effects on individual's physical and mental health. Children living in cold homes are more than twice as likely to suffer from a variety of respiratory problems than children living in warm homes. Cold housing can negatively impact children's educational attainment, emotional wellbeing and resilience.¹⁴⁸

Effects of cold housing are also evident among older people in terms of higher mortality risk, physical health and mental health. Older people spend on average 80% of their time at home, making them more susceptible to cold or damp related health problems. Cold temperatures can increase the levels of minor illnesses such as colds and flu, contribute towards excess winter deaths, negatively affect mental health, and exacerbate existing conditions such as arthritis and rheumatism.¹⁴⁹

Disabled people

Research from disability charity Scope evidences that long term impairments or conditions have a significant impact on energy costs, with many disabled people consuming more energy because of their impairment or condition. In particular those with limited mobility report having to use more heating to stay warm.¹⁵⁰

People from an ethnic minority background

In England, fuel poverty is more common with ethnic minority households when compared to White households.¹⁵¹ Data shows that in 2015, 16% of ethnic minority households were living in fuel poverty compared to 10% of White households.¹⁵²

¹⁴³ Assembly, N. I. (2010). 'Barriers to Sports and Physical Activity Participation'.

¹⁴⁴ Communities and Local Government (2012) 'Regeneration to enable growth: A toolkit supporting community-led regeneration'. Available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/5983/2064899.pdf

¹⁴⁵ UK Government (2018) 'Unemployment'. Available at: <https://www.ethnicity-facts-figures.service.gov.uk/work-pay-and-benefits/unemployment-and-economic-inactivity/unemployment/latest>

¹⁴⁶ City of Westminster Council (2018): 'My Ebury: Shaping the preferred scenario'.

¹⁴⁷ Centre for Sustainable Energy (2006): 'Tackling fuel poverty at local and regional level: opportunities to deliver action and policies to stimulate success'. Available at: https://www.cse.org.uk/downloads/reports-and-publications/fuel-poverty/tackling_fuel_poverty_at_local_&_regional_level.pdf

¹⁴⁸ Marmot Review Team (2011) 'The Health Impacts of Cold Homes and Fuel Poverty'. London: Department of Epidemiology and Public Health, University College London.

¹⁴⁹ The Housing and Ageing Alliance (2013) 'Policy Paper: Health, Housing and Ageing', Available at www.housingalliance.org/HAA/

¹⁵⁰ Scope (2018) 'Out in the Cold', Available at <https://www.scope.org.uk/Scope/media/images/Out-in-the-cold.pdf>

¹⁵¹ This does not include White ethnic minority households.

¹⁵² Department for Business, Energy and Industrial Strategy (2017): 'Ethnicity facts and figures: Fuel poverty'. Available at: <https://www.ethnicity-facts-figures.service.gov.uk/housing/housing-conditions/fuel-poverty/latest>

B. Area profile and proportionality

This appendix is split into three sections. Section A.1 provides an overview of the socio-demographic profile of the Estate (the study area outlined in Chapter 2). An overview of community resources is provided in Section A.2. Section A.3 provides the results of socio-demographic monitoring for the area which has been collated through a review of the Starting the Conversation questionnaire administered by Southwark Council.

B.1 Socio-demographic profile of the area

The area profile below provides a wider contextual demographic characterisation of the area in which the Estate falls. The data includes the current social and economic context of the area and relevant comparators, namely the London Borough of Southwark, the Greater London region, and England. In comparing these regions, where the Estate deviates by more than 3%, the difference is considered to be significant and is reported as such.

The demographic data¹⁵³ has been sourced from publicly available data and only applies to the resident population.

Age

The tables and figures below show the population for key age groups within the Estate and the above comparator areas. The figures show both the proportion and density of each age group within the different areas.

Children (under 16 years)

The table below indicates that the proportion of people under the age of 16 on the Estate is broadly in line with Southwark, Greater London, and England (18% compared with 19%, 21% and 19% respectively).

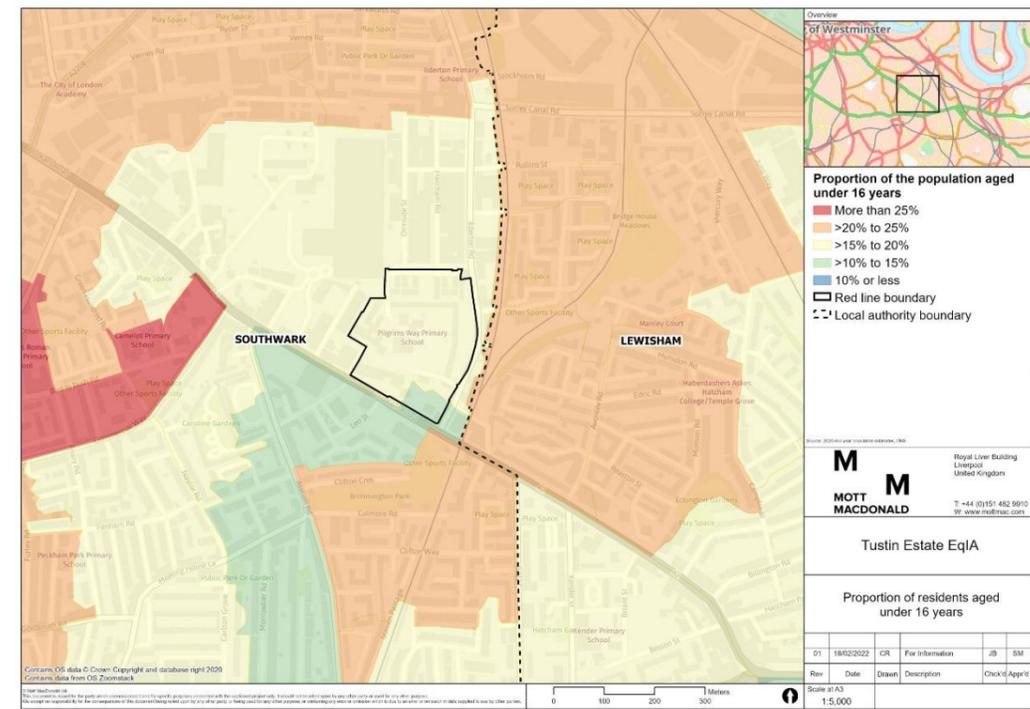
Table B.1: Children (under 16 years)

Location	Total population, 2020	Children (under 16 years)	%
Estate	1,190	211	18%
Southwark	320,017	60,065	19%
Greater London	9,002,488	1,853,207	21%
England	56,550,138	10,852,240	19%

Source: ONS 2020 mid-year population estimates

The following figure, Map A.1, illustrates that the proportion of children within the Estate ranges between 11% to 20% of the population; lower than most surrounding areas but higher than the area south of the Estate

Map B.1: Proportion of children under 16 within the Estate

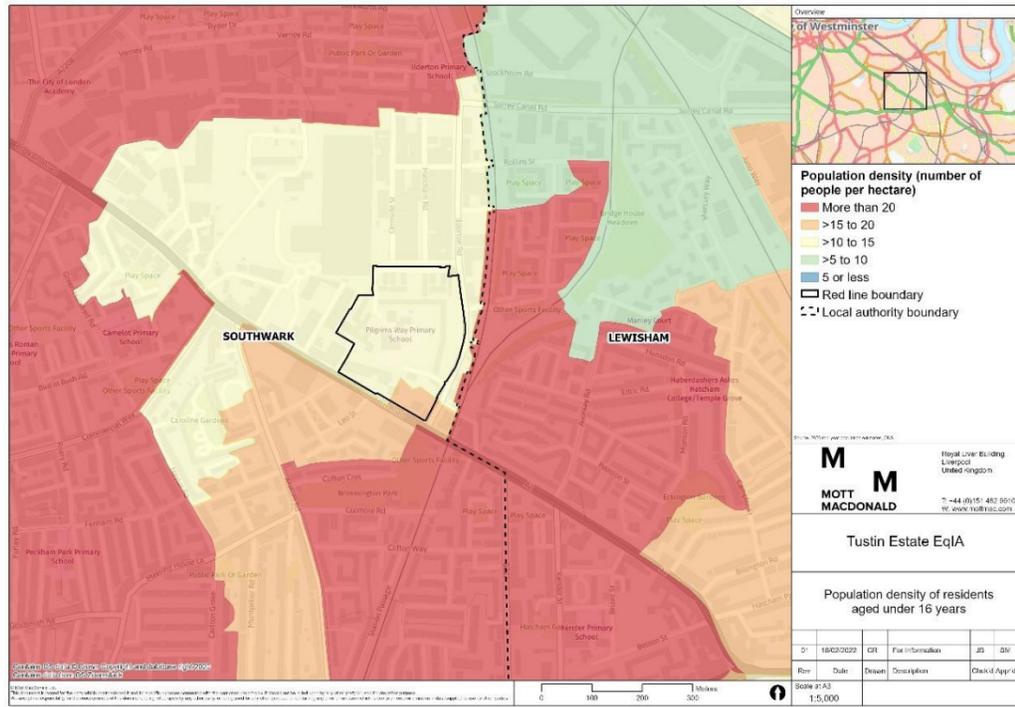


Source: Mott MacDonald

¹⁵³ In order to calculate statistics for the Estate, codepoint data was used, which includes a point representing each postcode area. Lower Super Output (LSOA) data is shared between the codepoints that fall within each LSOA, and is summed up for where the codepoints fall within the Estate.

Map A.2, below, illustrates that the density of children within the Estate is lower than most of the surrounding areas, with a density of 11 to 15 children per hectare through most of the Estate.

Map B.2: Population density of children under 16 within the Estate



Source: Mott MacDonald

Young people (16-24 years)

Table A.2 shows that the proportion of young people aged 16-24 within the Estate (10%) is broadly in line with Southwark, Greater London and England (11%, 10% and 11% respectively).

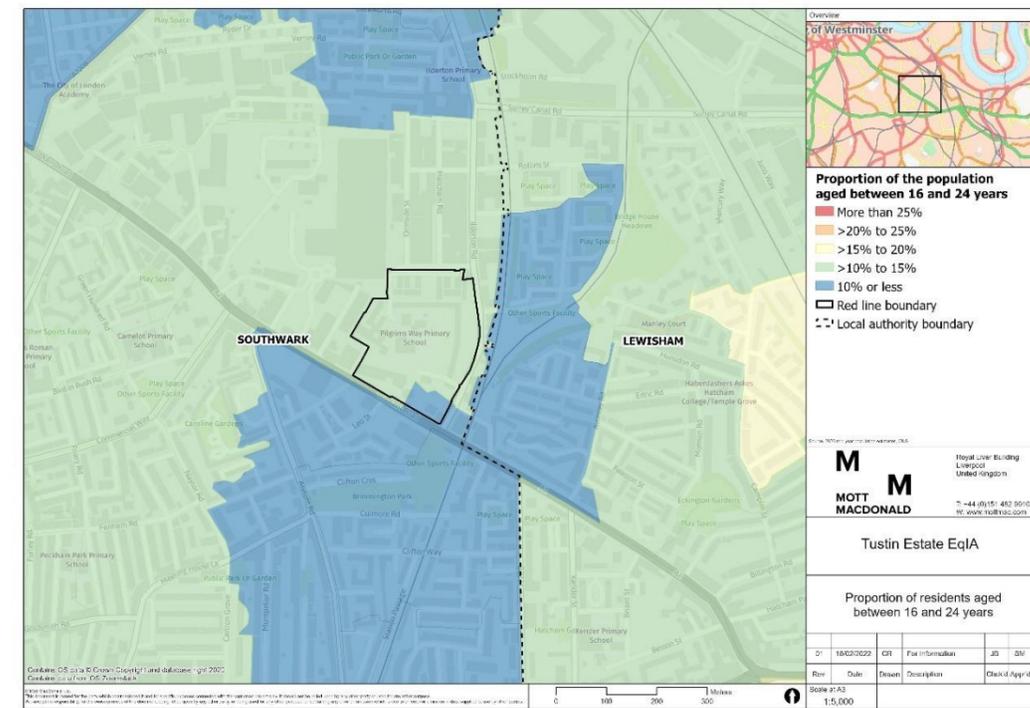
Table B.2: Young people (16-24 years)

Location	Total population, 2020	Young people (16-24 years)	%
Estate	1,190	118	10%
Southwark	320,017	33,947	11%
Greater London	9,002,488	930,728	10%
England	56,550,138	5,950,637	11%

Source: Office of National Statistics (2020) Mid- year population estimates

Map A.3, below, demonstrates that proportions of young people aged 16-24 within the Estate are less than 15% across the Estate. This is broadly in line with most of the surrounding areas, with slightly lower proportions to the north and south.

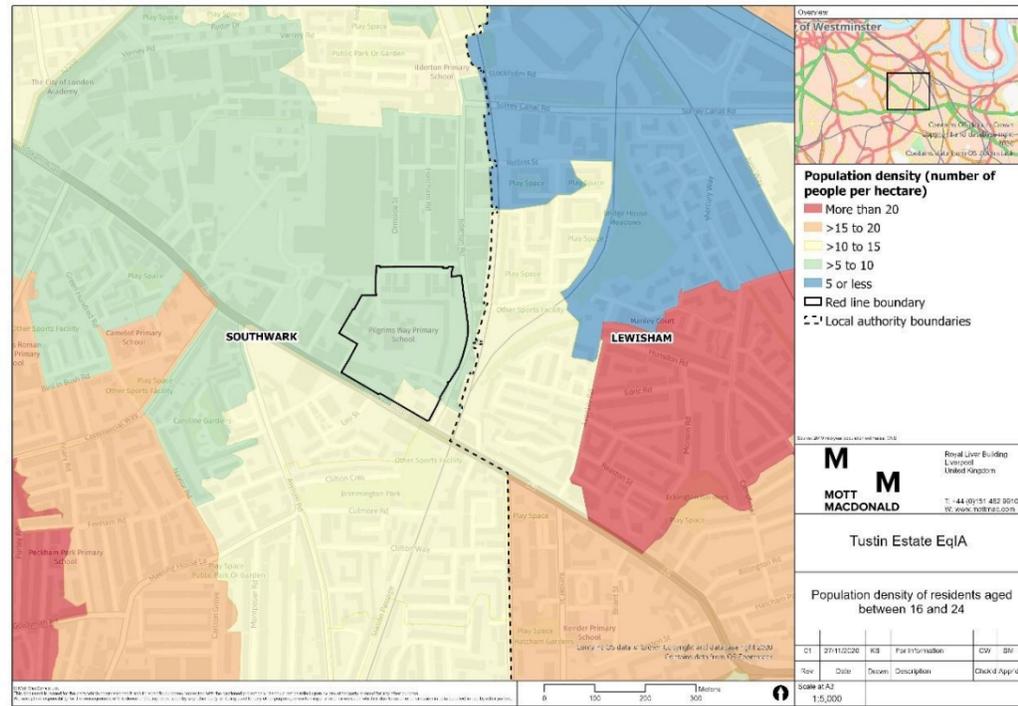
Map B.3: Proportion of young people aged 16-24 within the Estate



Source: Mott MacDonald

Map A.4 illustrates that there are lower population densities of young people aged 16-24 across the Estate when compared to surrounding areas, with approximately 6 to 10 young people per hectare across the estate.

Map B.4: Population density of young people aged 16-24 within the Estate



Source: Mott MacDonald

Working aged people (16- 64)

The percentage of working age people (aged between 16 and 64) on the Estate (71%) is broadly in line with that of Southwark (73%) but higher than Greater London and England (67% and 62% respectively).

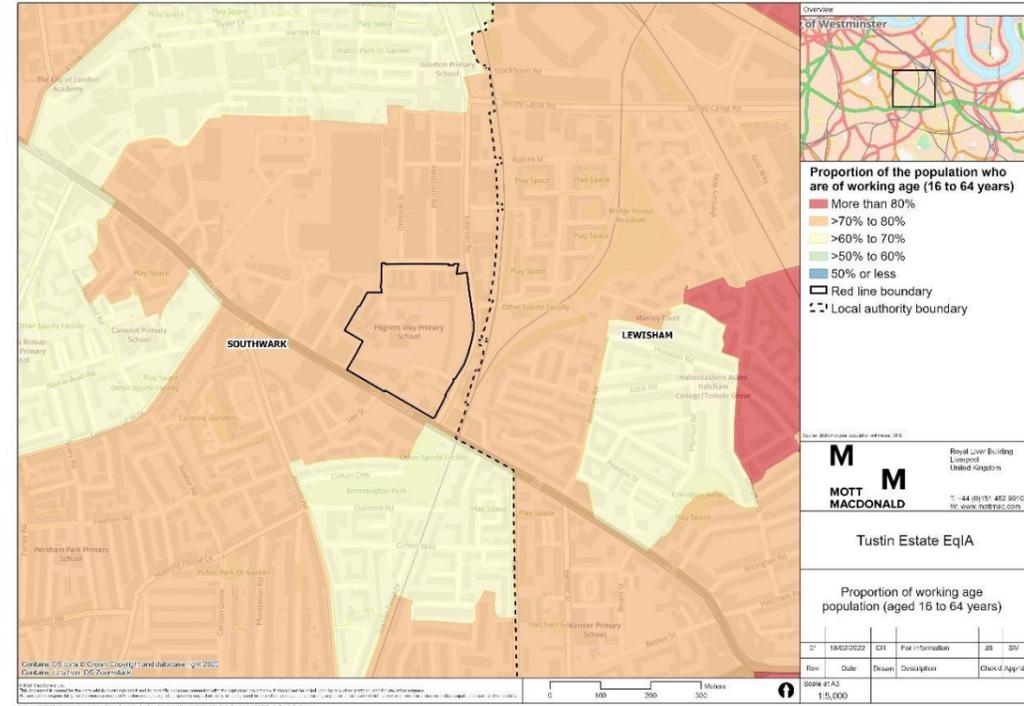
Table B.3: Working age population

Location	Total population, 2019	Working age population	%
Estate	1,190	844	71%
Southwark	320,017	232,014	73%
Greater London	9,002,488	6,050,828	67%
England	56,550,138	35,233,879	62%

Source: ONS 2020 mid-year population estimates and 2011 Census

Map B.5, below, demonstrates that the proportion of working age residents on the Estate is between 71% and 80%, in line with most surrounding areas.

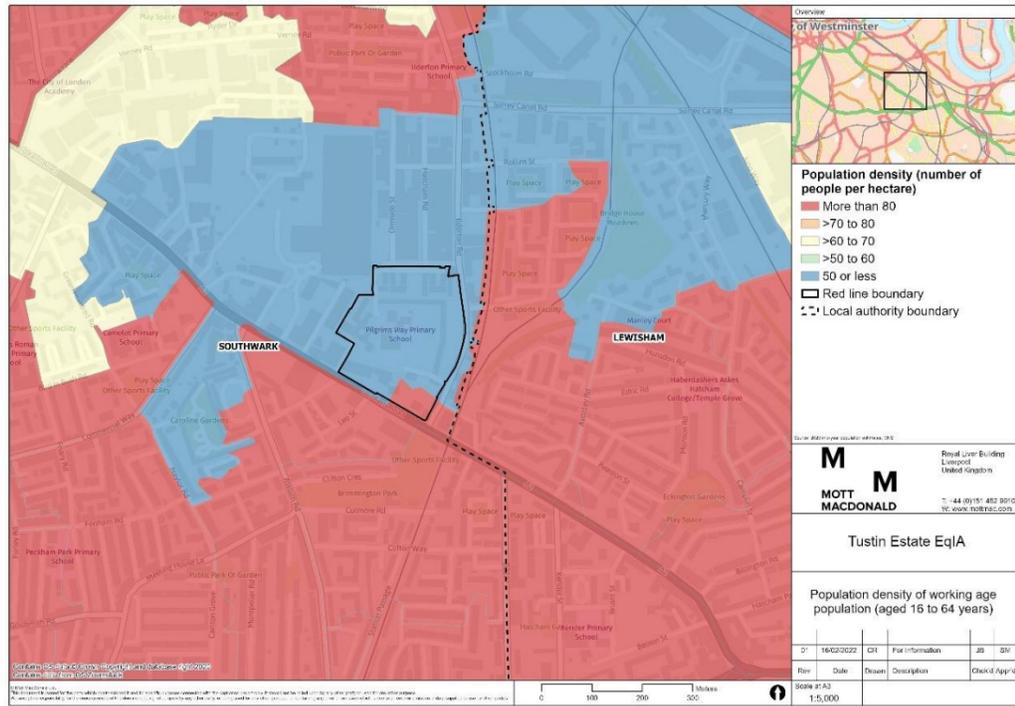
Map B.5: Proportion of residents aged between 16 and 64.



Source: Mott MacDonald

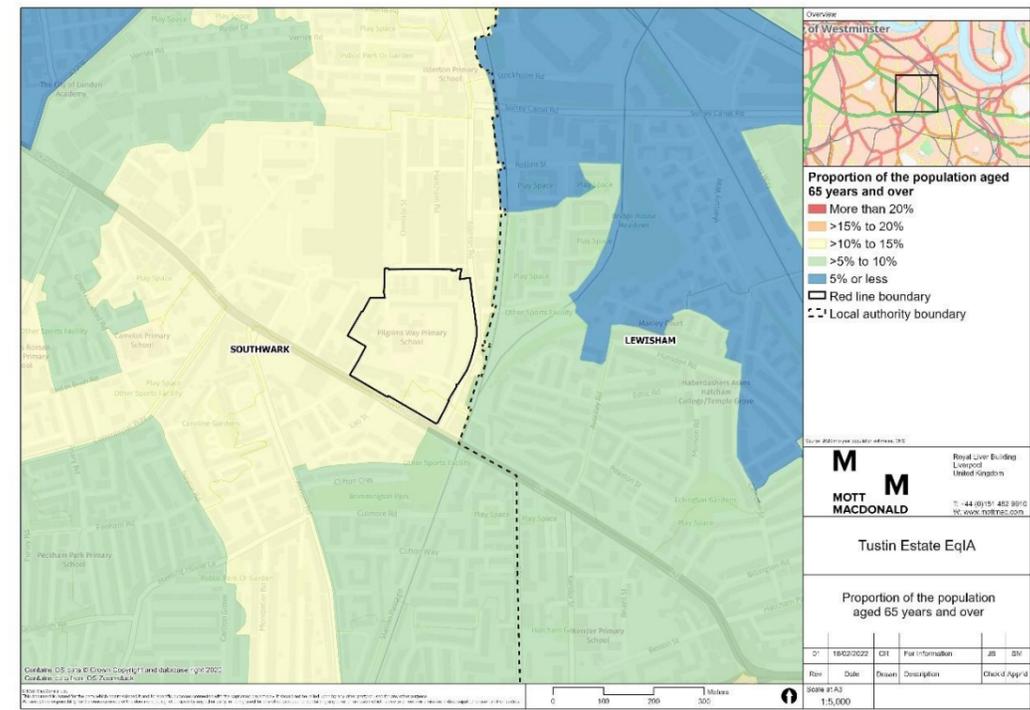
Map A.6, demonstrates that there is a lower density of working age people on the Estate when compared to surrounding areas. Most of the Estate has a density of less than 50 working age people per hectare. However, in a small area in the south east this density rises to more than 80 working age people per hectare.

Map B.6: Population density of working age people



Source: Mott MacDonald

Map B.7: Proportion of residents aged 65 and over



Source: Mott MacDonald

Older people (over 65 years)

The percentage of older people over 65 years within the Estate (11%) is broadly in line with Southwark and Greater London (9% and 12% respectively), but significantly lower than England as a whole (18%).

Table B.4: Older people (65+ years)

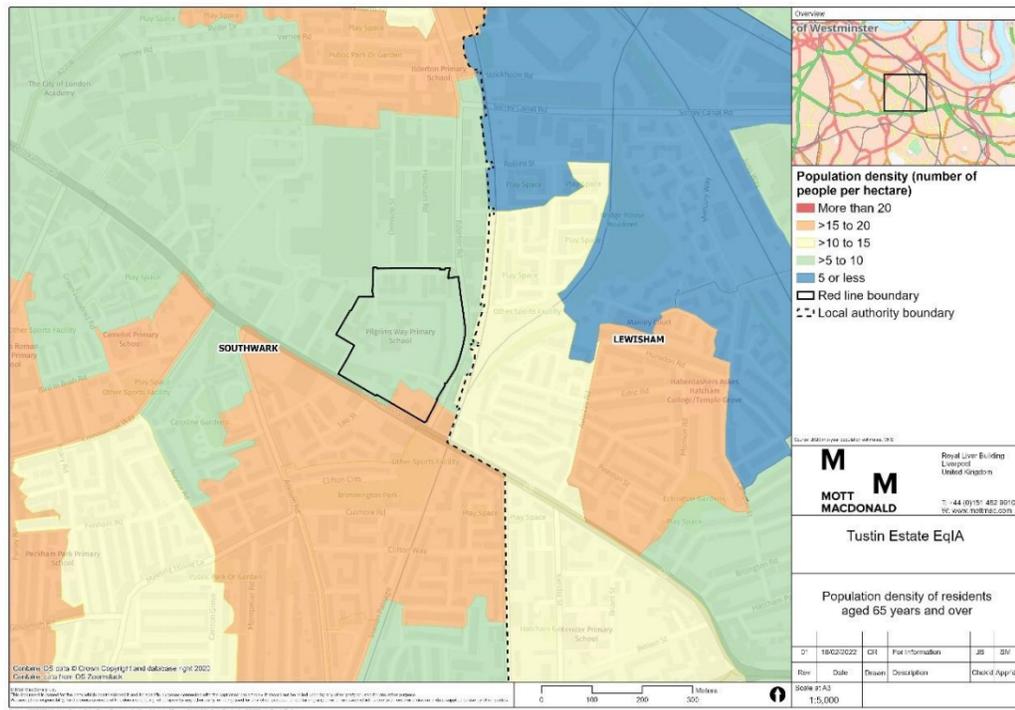
Location	Total population, 2020	Older people (65+ years)	%
Estate	1,190	135	11%
Southwark	320,017	27,938	9%
Greater London	9,002,488	1,098,453	12%
England	56,550,138	10,464,019	18%

Source: Office for National Statistics (2020) Mid- year population estimate

Map A.7, below, demonstrates that that proportions of older people over 65 years within the Estate, ranging between 11% and 15%, is in line with the proportion of older people living in the areas immediately surrounding the Estate.

Map A.8, below, indicates that the density of older people within the Estate, which ranges from 6 to 10 people per hectare for most of the Estate, is higher than some surrounding areas but lower than others. There are higher densities of older people to the east and south of the Estate, ranging between 11 to 20 people per hectare, but lower densities of older people to the west and north-west of the Estate (five or less).

Map B.8: Population density of people aged over 65 years



Source: Mott MacDonald

Disabled people

The table below shows the proportion of disabled people living in the Estate, Southwark, Greater London, and England.

There are higher proportions of disabled people (those whose day-to-day activities are limited a little or a lot) within the Estate (17%) when compared with Southwark and Greater London (both 14%), however this figure is in line with the proportion of disabled people in England (17%). People in existing poor health with long-term conditions that limit their day-to-day activities may be more sensitive to changes such as increased air pollutants from construction.

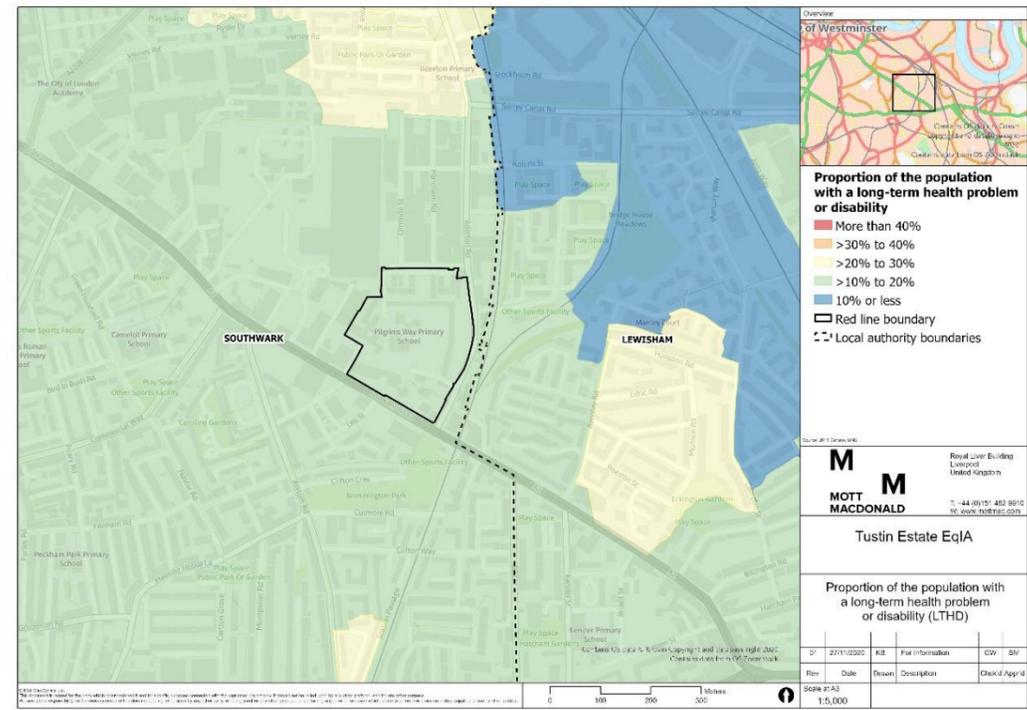
Table B.5: Population with a long-term health problem or disability limiting day-to-day activities

Disability	Estate	Southwark	Greater London	England
Limited a lot	8%	7%	7%	8%
Limited a little	9%	7%	7%	9%
Not limited	84%	86%	86%	82%

Source: Office of National Statistics (2011) Census data

Map A.9, below, shows that the proportion of people in the Estate living with a long-term health condition or disability ranges from 11% to 20%, broadly in line with most surrounding areas.

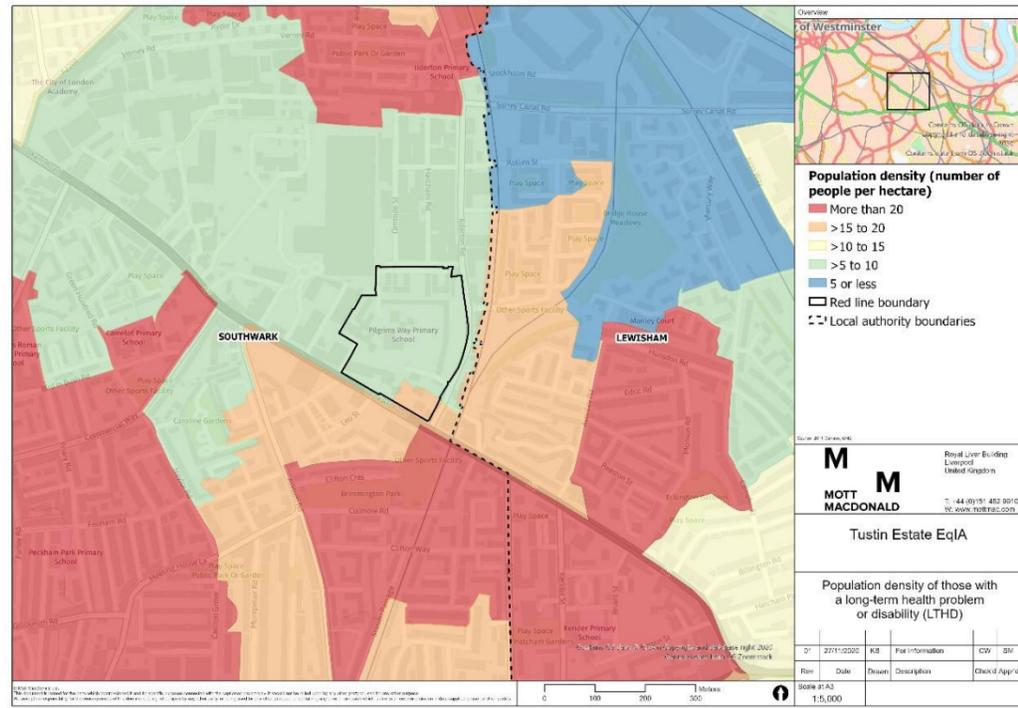
Map B.9: Proportion of residents with a long-term health condition or disability



Source: Mott MacDonald

Map A.11, below, illustrates that across the majority of the Estate, the density of people with a long-term health problem or disability is between 6 and 10 people per hectare. This is lower than most areas surrounding the Estate.

Map B.10: Population density of people within the Estate with a long-term health problem or disability



Source: Mott MacDonald

Gender reassignment

There are no Census or other data for the number of gender variant people with the Estate, Southwark, Greater London, or England. Data on gender identity is currently limited as there are still a number of methodological challenges obtaining this data such as privacy and acceptability; complexity; accuracy; terminology; small sample universe, and the scope of information required.¹⁵⁴ The ONS, though, has estimated that the size of the Trans community in the UK could range from 65,000 to 300,000.¹⁵⁵

Marriage and civil partnership

The total proportion of those who are married or in a civil partnership that live within the Estate (30%) is lower than Southwark, Greater London, and England (29%, 40%, and 47% respectively).

The table below shows that there is a lower percentage of married people within the Estate (25%), compared to Southwark (29%). However, both the Estate and Southwark’s percentage of married people are considerably lower than both Greater London, and England (40% and 47% respectively). The proportion of people in a civil partnership in the Estate (0.5%) is broadly in line with that in Southwark, Greater London and England (0.9%, 0.4% and 0.2% respectively). The proportion of people on the Estate who are separated, but still legally married, (6%) is broadly in line with figures in Southwark, Greater London and England (4%, 3% and 3% respectively).

Table B.6: Population married or in a civil partnership

Location	All usual residents aged 16+, 2011	Married	%	In a civil partnership	%	Separated (still legally married or in a civil partnership)	%
Estate	870	270	31%	4	0.5%	54	6%
Southwark	234,901	66,997	29%	2,159	0.9%	10,080	4%
Greater London	6,549,173	2,608,345	40%	27,425	0.4%	211,500	3%
England	42,989,620	20,029,369	47%	100,288	0.2%	1,141,196	3%

Source: Office for National Statistics 2011 Census

¹⁵⁴ Office for National Statistics (date unknown): ‘Gender identity update’

¹⁵⁵ Office for National Statistics (2009): ‘Trans Data Position Paper’.

Pregnancy and maternity

Table A.7, below, shows that live births in Southwark, as a proportion of the total population (1.3%), are broadly in line with Greater London and England figures (1.3% and 1.1% respectively). Estate level data is not available for pregnancy and maternity.

Table B.7: Live births by mothers' usual area of residence

Births	Southwark	Greater London	England
Female population aged between 16 and 44	80,405	1,978,845	10,581,832
Total population	320,017	9,002,488	56,550,138
Live births by mothers' usual area of residence	3,557	111,688	585,195
Live births by mothers' usual area of residence (%)	1.3%	1.3%	1.1%

Source: Office of National Statistics 2020 mid-year population estimates.

Table A.8 below shows that the General Fertility Rate (all live births per 1000 women aged 16 to 44) in Southwark (44.2) is lower than that of the general fertility rate in Greater London (56.4) and England (55.3). The Total Fertility Rate in Southwark (1.18) is lower than the total fertility rate in Greater London (1.54) and England (1.59).

Table B.8: General and total fertility rates

Fertility Rate	Southwark	Greater London	England
General fertility rate (all live births per 1000 women aged 16 to 44)	44.2	56.4	55.3
Total fertility rate (average number of children born per woman)	1.18	1.54	1.59

Source: ONS 2020 mid-year population estimates and Live births in England and Wales : birth rates down to local authority areas 2018

Race and ethnicity

The table below provides a breakdown of the race and ethnicities of residents on the Estate compared with Southwark, Greater London, and England. The proportion of those from an Ethnic Minority background (76%) is considerably higher than Southwark (60%), Greater London (55%) and England (20%). The largest ethnic minority group on the Estate are those from a Black African background (28%). This is higher than the proportion in Southwark (16%), Greater London (7%), and England (2%).

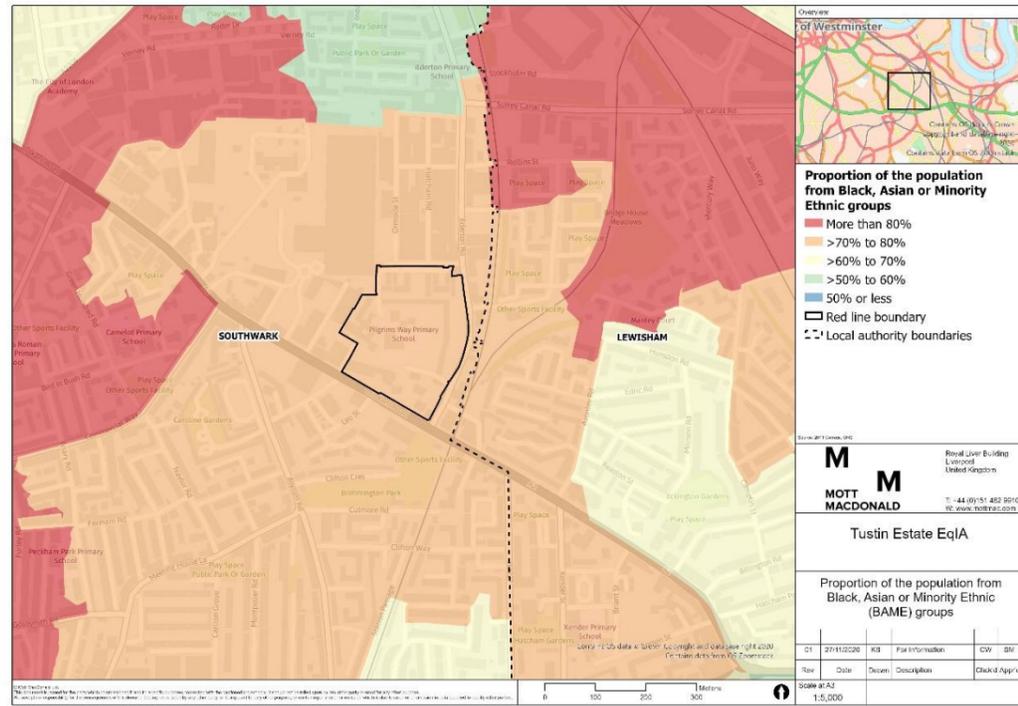
Table B.9: Population by race and ethnicity

Race and ethnicity	Estate	Southwark	Greater London	England
White British	24%	40%	45%	80%
Ethnic minority	76%	60%	55%	20%
Irish	2%	2%	2%	1%
Gypsy or Irish Traveller	0.1%	0.1%	0.1%	0.1%
Other White	12%	12%	13%	5%
White and Black Caribbean	3%	2%	1%	0.8%
White and Black African	2%	1%	0.8%	0.3%
White and Asian	0.5%	1%	1%	0.6%
Other mixed	2%	2%	1%	0.5%
Indian	1%	2%	7%	3%
Pakistani	0.3%	0.6%	3%	2%
Bangladeshi	0.6%	1%	3%	0.8%
Chinese	2%	3%	2%	0.7%
Other Asian	3%	3%	5%	2%
Black African	28%	16%	7%	2%
Black Caribbean	8%	6%	4%	1%
Other Black	6%	4%	2%	0.5%
Arab	1%	0.8%	1%	0.4%
Any other ethnic group	4.5%	2%	2%	0.6%

Source: Office for National Statistics 2011 Census

Map A.11 below illustrates that people from an ethnic minority background represent three quarters of the population within the Estate and in surrounding areas. There are similar proportions of people from an ethnic minority background within the Estate compared to surrounding area, with nearly all areas containing proportions between 71% and 80%.

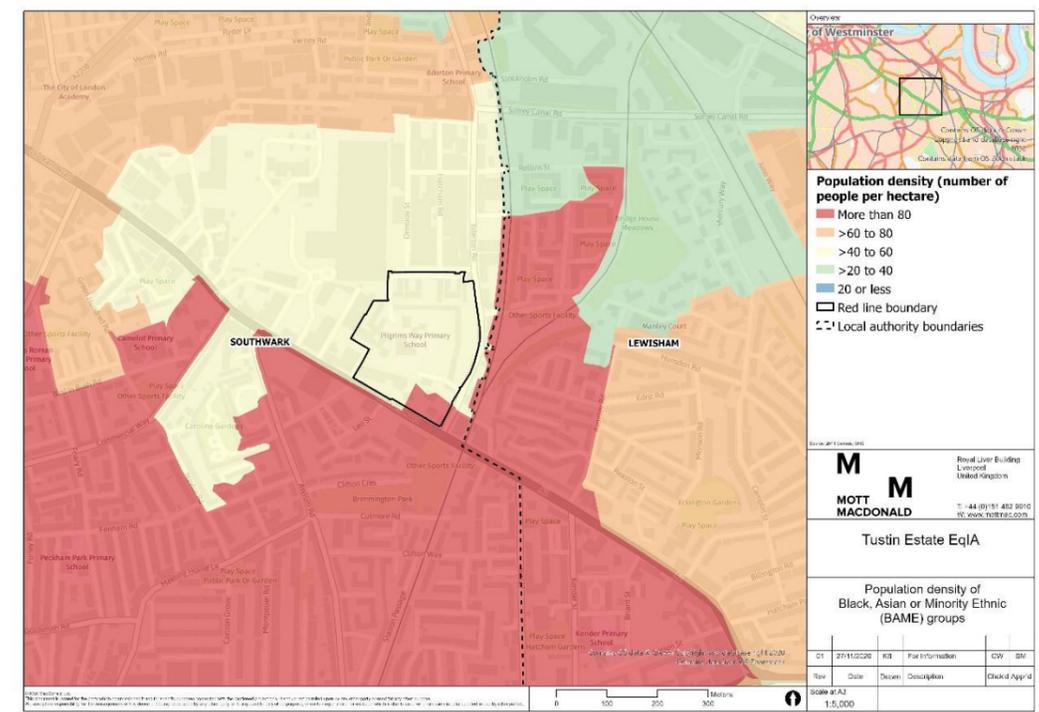
Map B.11: Proportion of people from an Ethnic Minority background within the Estate



Source: Mott MacDonald

Map A.12, below, indicates that there is a lower density of people from an ethnic minority background within the Estate when compared to surrounding areas. Most of the Estate has a density of between 41 to 60 people from an ethnic minority background per hectare. A small area of the Estate in the south has a higher density of people per hectare (80 people per hectare).

Map B.12: Population density of people from an ethnic minority background within the Estate



Source: Mott MacDonald

Religion and belief

The table below provides a religious profile of the Estate, compared with Southwark, Greater London, and England. The Estate has a higher Christian population (59%) compared to Southwark (53%) and Greater London (48%) but is in line with that of England (59%). Proportions of people from minority faith groups are broadly in line with those for Southwark, Greater London and England.

Table B.10: Population by religion or belief

Religion and belief	Estate	Southwark	Greater London	England
Christian	59%	53%	48%	59%
Minority Faith*				
Buddhist	1%	1%	1%	0.5%
Hindu	0.4%	1%	5%	2%
Jewish	0.1%	0.3%	2%	0.5%
Muslim	11%	9%	12%	5%
Sikh	0.4%	0.2%	2%	0.8%
Other Religion	0.7%	0.5%	0.6%	0.4%
No Religion	17%	27%	21%	25%
Religion Not Stated	9%	9%	8%	7%

Source: Office of National Statistics 2011 Census

Sex

The following table shows the proportion of the population who are male and female on the Estate, compared to Southwark, Greater London and England. Proportions of males (52%) and females (48%) that live within the Estate are broadly in line with other areas.

Table B.11: Population by Sex

Sex	Estate	Southwark	Greater London	England
Male	53%	50%	50%	49%
Female	47%	50%	50%	51%

Source: ONS 2020 mid-year population estimates

Sexual orientation

There is no data available on this protected characteristic for the study area. However, emerging experimental statistics relating to sexual identity are available nationally and at a regional level.

In 2017, estimates from the Annual Population Survey (APS)¹⁵⁶ showed that 93% of the UK population identified as heterosexual or straight and 2% of the population identified themselves as lesbian, gay or bisexual (LGB). This comprised of:

- 1.3% identifying as gay or lesbian
- 0.7% identifying as bisexual
- A further 0.6% of the population identified themselves as “other”, which means that they did not consider themselves to fit into the heterosexual or straight, bisexual, gay or lesbian categories.
- A further 4.1% refused or did not know how to identify themselves.

¹⁵⁶ Source: Office for National Statistics (2017): See: <https://www.ons.gov.uk/peoplepopulationandcommunity/culturalidentity/sexuality/bulletins/sexualidentityuk/2016>

B.2 Community resources

There are a number of community facilities and resources located both within, and in close proximity to, Tustin Estate. Within the estate, these include a primary school, two faith groups, a daycare/learning centre, and a community centre. Table A.13 lists the community facilities located within the Estate boundary.

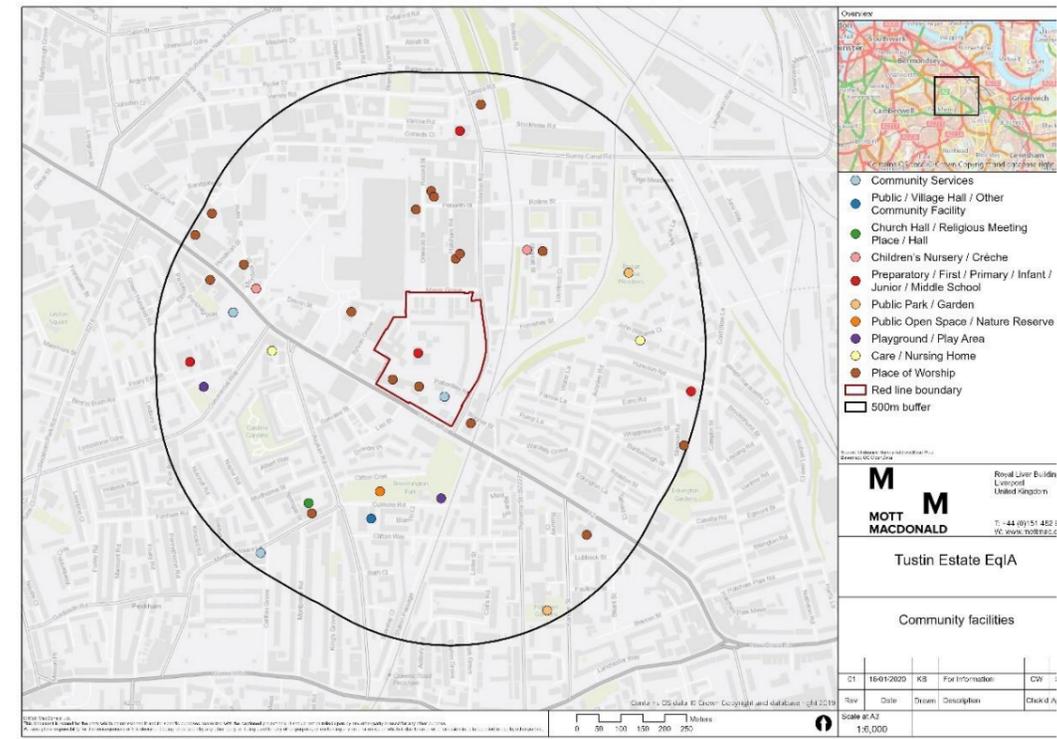
Table B.12: : List of community facilities within the Estate

Name	Category	Address
Day care / learning centre	Education	803 Old Kent Road
Pilgrims Way Primary School	Infant School	Manor Grove
Divine Prophetic Interdenominational Ministries	Church	
Redeemed Assemblies	Church	
Tustin Community Centre	Community Services	Windermere Point

Source: AddressBase

Map A.14 below maps the location of community resources and facilities within and surrounding the estate, which are likely to be accessed by protected characteristic groups, or if they were to be lost, would potentially adversely affect protected characteristic groups. Within the Estate boundary, there are two Christian churches which will predominately be used by members of that faith. Children are likely to be impacted by the relocation of the Pilgrims Way Primary School and the day care/learning centre. There is also the Tustin Estate Community Centre, which is available for use by all residents of the current estate.

Map B.13: Community resources within and around the Estate

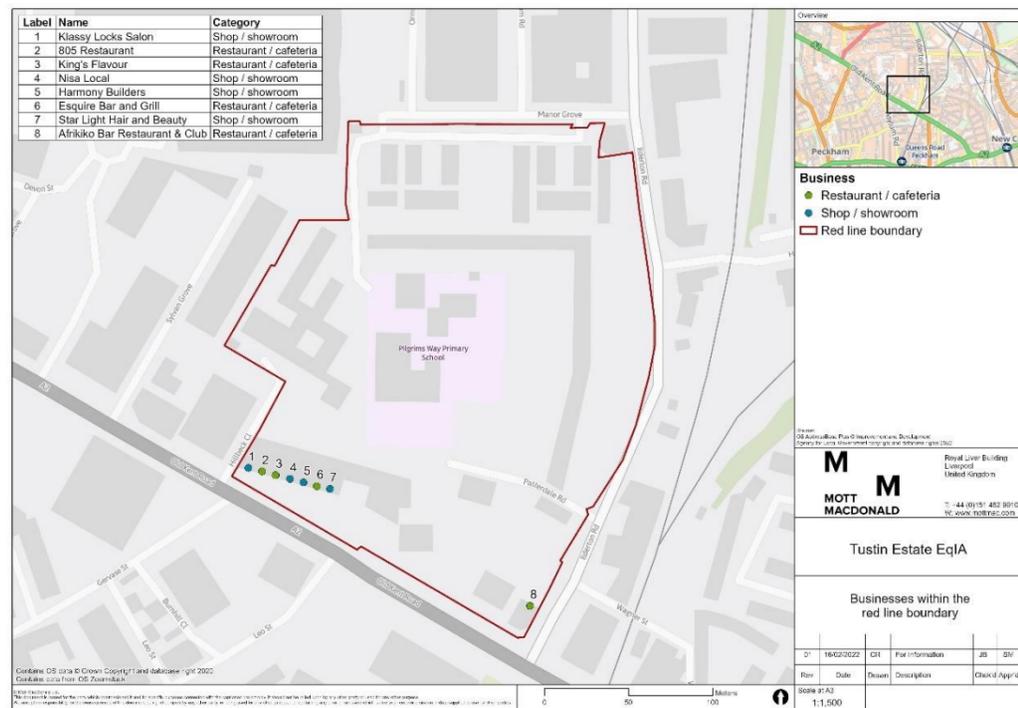


Source: AddressBase

B.3 Businesses

There are a number of commercial units located on the Estate facing Old Kent Road in Bowness House. The businesses occupying these units are mapped and labelled in Map A.15 below. The businesses include two restaurants, a convenience store, one hair and beauty salon, one take away and an accountancy. These may be affected by any demolition and rebuild option on the Estate, which could have equality impacts on owners and employees, and potentially local residents.

Map B.14: Businesses within the Estate



Source: Southwark Council business information

B.4 Health profile

The following presents a human health overview for the Estate. Where Estate-level information is not available, data is shown for the wider Borough.

Local economy

Good quality employment and local economic conditions are important determinants of health. The following table highlights employment, unemployment and proportion of those claiming Jobseeker's Allowance (JSA) and those claiming Universal Credit (UC). The claimant count combines all those claiming benefit principally for the reason of being unemployed.

Table A.24: Employment and unemployment

Location	Claimants as a % of working age population	Unemployment rate (%)	Employment rate (%)
Southwark	4%	5%	78%
Greater London	3%	5%	74%
England	2%	4%	75%

Source: Nomis Labour Market Profile (2018-2020) *data for the Estate is not available.

Unemployment in the local area is in line with Greater London and England, as is the proportion of people claiming Job Seekers Allowance (JSA) or Universal Credit. The employment rate in Southwark (78%) is higher than England (75%).

Table A.35: Median annual pay

Location	Full-time workers (£)	Part-time workers (£)
Southwark	39,183	10,585
Greater London	36,797	10,699
England	30,661	10,521

Source: Nomis Labour Market Profile (2019) *data for the Estate is not available.

Median income for full-time workers in Southwark is higher than both London and England, at £39,183 per annum, compared to £36,797 and £30,661, respectively. For part-time workers, income is broadly in line with that of London and England, at £10,585 per annum, compared to £10,699 in London and £10,521 in England.

Deprivation

The index of Multiple Deprivation (IMD) brings together data covering seven different aspects or 'domains' of deprivation into a weighted overall index for each Lower-layer Super Output Area (LSOA) in England.¹⁵⁷¹⁵⁸ The scores are then used to rank the LSOAs nationally and to calculate an IMD score for each local authority area. These are then divided into deciles or

¹⁵⁷ The domains used in calculating the index are: Income; Employment; Education, Skills and Training; Health Deprivation and Disability; Crime; Barriers to Housing and Services; and Living Environment.

¹⁵⁸ LSOAs are a geographical unit which has an average of 1,500 residents and 650 households. They were developed following the 2001 census, through the aggregation of smaller census output areas, to create areas with a reasonably compact shape and which were socially similar (assessed through housing type). (<https://data.gov.uk/dataset/c481f2d3-91fc-4767-ae10-2efdf6d58996/lower-layer-super-output-areas-lsoas>)

quintiles, with 1 being the most deprived 20% of LSOAs, and 5 the least deprived 20% of LSOAs (in the case of quintiles).

The following table shows the proportion of the population of the Site who live in each deprivation quintile. The Site falls within an area of higher deprivation, where the entire population lives within the most or second most deprived quintile. The Site has a higher proportion of those living in the most deprived quintile (25%), compared with Southwark, Greater London, and England (21%, 16%, and 20% respectively). A considerably higher number of people (75%) live in the second most deprived quintile, compared with Southwark (47%), Greater London (32%) and England (21%).

There is evidence to suggest that people living in the most deprived areas in England spend more time in ill health compared the rest of the population.

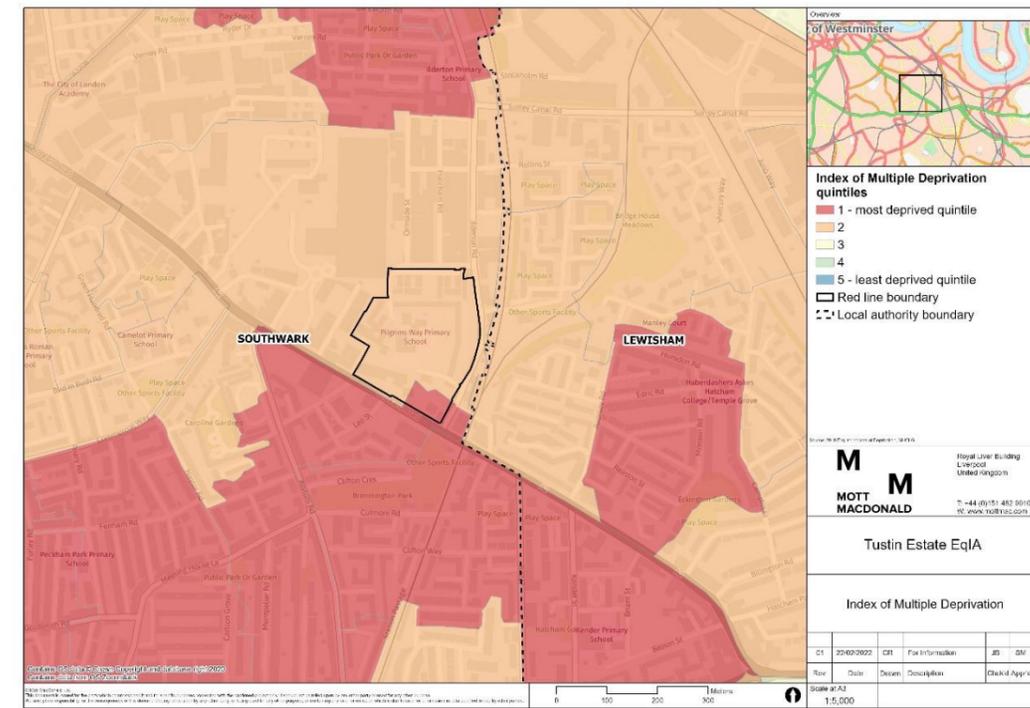
Table B.15: Population by deprivation

Location	Most deprived quintile (%)	Second most deprived quintile (%)	Third most deprived quintile (%)	Fourth most deprived quintile (%)	Least deprived quintile (%)
Site	25%	75%	0%	0%	0%
Southwark	21%	47%	21%	8%	3%
Greater London	16%	32%	23%	17%	12%
England	20%	21%	20%	20%	19%

Source: ONS 2020 mid-year population estimates and 2019 Indices of Multiple Deprivation

Map A.16, below, shows that most of the Site is in the second most deprived quintile.

Map B.15: Index of Multiple Deprivation



Source: Mott MacDonald

Human health

The table below provides an overview of the health of the population in Southwark. Figures for the Estate are unavailable. Consideration has been given to conditions and impairments that may be exacerbated by the improvement programme construction and design, including potential impacts such as relocation and associated social cohesion impacts, an increase in air pollution or noise, or loss/gain of public open space and recreation facilities.

Table B.16: Human health indicators

Category	Indicator	Southwark	Southwark %	England	England %
Physical activity	Percentage of physically active adults (PHE 2019 estimates)	-	72%	-	66%
	Obese children (Year 6) (PHE 2019)	-	27%	-	22%
Cardiovascular and respiratory health	Emergency hospital admissions for Chronic Obstructive Pulmonary Disease	613	-	415	-

Category	Indicator	Southwar k	Southwark %	England	England %
	(COPD) per 100,000				
	Under 75 mortality rates from cardiovascular diseases (PHE 2019) per 100,000	88	-	72	-
	Under 75 mortality rates from all respiratory diseases (PHE 2019) per 100,000	31	-	29	-
	Mortality rate for deaths involving COVID-19 (2020) per 100,000	177.3		140.1	
Mental health	Social isolation: % of adult social care users who have as much social contact as they would like (18+ years) (PHE 2019/20)	-	34%	-	46%
	% reporting depression or anxiety (PHE 2020)	-	14%	-	14%
Life expectancy	Male life expectancy at birth	79	-	79	-
	Female life expectancy at birth	83	-	83	-

Source: Public Health England (2017-2019)

Southwark has better rates of healthy behaviours in terms of levels of physical activity with a larger proportion of physically active adults (72%) compared to England (66%). However, Southwark has poorer rates of health behaviour in terms of childhood obesity, with high child obesity (27%) compared to the figure for England (22%).

There is likely a higher prevalence of those with respiratory and cardiovascular conditions in Southwark when compared to England, as mortality and hospital admissions from these diseases are higher. Mortality due to COVID-19 in 2020 was also higher in Southwark than in England.

Adults who are social care users in Southwark reportedly feel lonelier than those elsewhere in London – Southwark reports higher loneliness amongst adult social care users than any other borough. When compared to England, only 34% of respondents reported having as much social contact as they would like compared to 46%. However, those reporting depression or anxiety in Southwark is in line with England.

Male healthy life expectancy is broadly in line with the national average. Female healthy life expectancy is (number of years a person can expect to live in good health) higher than the national average. Healthy life expectancy at birth is an overall measure of how social, economic and environmental conditions in an area are affecting a population.

Socio-demographic monitoring

Equality Survey

In Autumn 2019, Southwark Council arranged to visit each of the 289 occupied low-rise homes on Tustin Estate to administer the ‘Starting the Conversation’ paper questionnaire. The intention of this survey was to attain an understanding of household needs across the Estate.

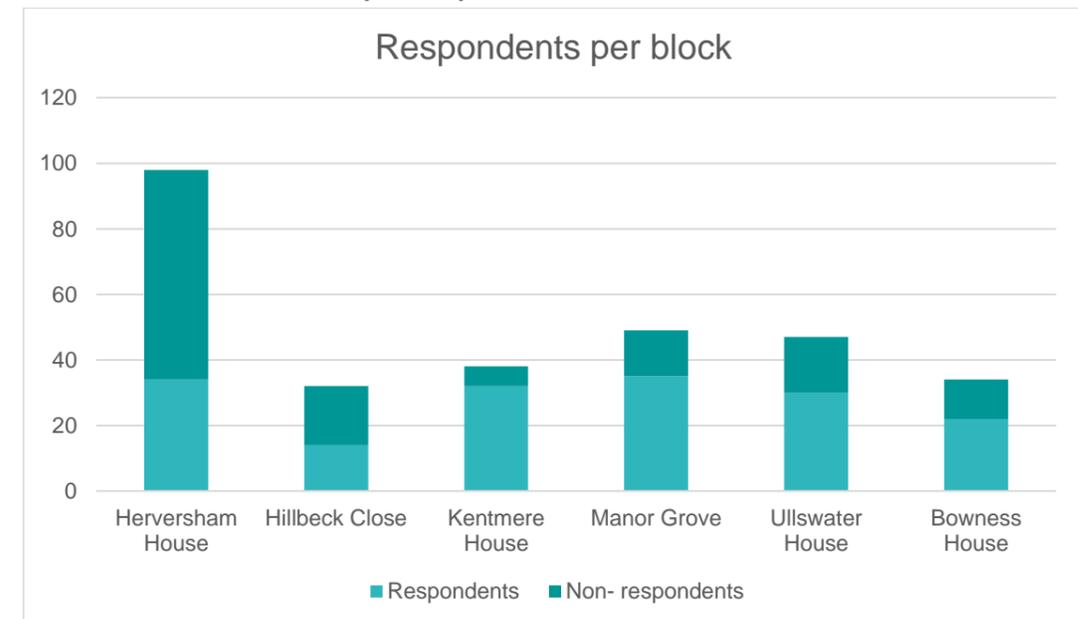
The visits were made on an appointment basis and lasted around 60 minutes each. In instances where it was difficult to make contact with the resident, homes were visited at least three times to arrange an appointment.

202 of the 289 homes were visited (70%), including 166 of the 219 tenanted homes (76%). 10 households refused to take part in the survey.

The survey only asked about the characteristics of the person responding to the survey, and to report on household needs with respect to those living in the household.

Analysis

Chart B.1: Residents and responses per block



Source: Southwark

Those who completed the equality survey were asked to outline their demographic details. The results have been outlined below.

Age

Residents that live in the properties that took part in the survey are from a range of ages. The majority of residents who took part in the survey were aged between 35-44 (39 residents) followed by those aged 45- 54 (35 residents) and those aged between 55-64 (31 residents).

Most of the blocks had a similar age trend, with a range of ages with the majority of respondents of working age. Of the older people who completed the survey (31 respondents in total), the majority live in either Manor Grove (12 respondents) or Kentmere House (11 respondents). 34% of the respondents in both Manor Grove and Kentmere House were older people.

Children and young people were also identified through the survey. One respondent identified themselves as being under 16 and four identified themselves as being 16-24, three of whom live in Ullswater house.

Disability

Of the residents who participated in the survey, just under a quarter of people (39 respondents) reported that their day to day activities were limited to some extent because of a health problem or disability. Nearly half of these respondents (18) reported that this limited their day to day activity 'a lot'.

Of the respondents who described the nature of their disability (40), the majority (30 respondents) reported that this was or included a physical or mobility impairment. 10 respondents reported either a hearing or vision impairment, or long-term mental illness, eight reported having memory problems and four reported having learning difficulties.

Of the respondents who described the nature of their disability (40), nearly half (19) were older people.

Gender reassignment

Of the residents who took part in the survey, nobody identified themselves as being transgender. Three chose not to answer the question.

Marriage and Civil Partnerships

The survey did not ask respondents about their marital status.

Pregnancy and Maternity

The survey did not ask respondents if where they were pregnant or had been pregnant in that last year.

Race and ethnicity

Of Tustin Estate residents who took part in the survey, two-thirds identified as being from an ethnic minority background. Half (83) of the residents who took part in the survey identified as black. Of those who identified as black, 48 identify as being from a black British or Nigerian background.

One third of residents who took part in the survey (59) identify themselves as white, and just under one tenth (15) identify themselves as being from an Asian background.

Of the residents who took part in the survey, the distribution of race and ethnicity reported across different blocks is mostly even.

Religion and belief

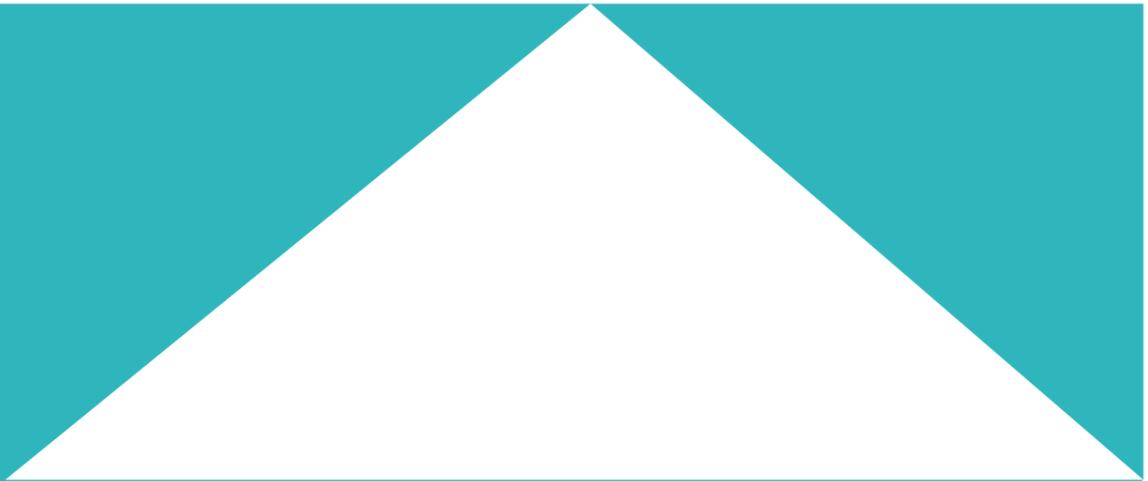
Of the residents who took part in the survey, over half (96 respondents) identify as being Christian, followed by those with no religion (34) and those who identify as Muslim (30) . Residents of a minority faith were also identified through the survey – two respondents reported that they are Buddhist, one reported they are Jewish, one reported they are a Jehovah's Witness, and one identified as Orthodox.

Sex

The majority of residents who responded to the survey were female (109). 59 respondents were male and two residents chose not to answer the question. Of those who responded, the majority of women (25) live in Heversham House, and the majority of men (14) live in Kentmere House.

Sexual Orientation

Of the residents who took part in the survey, nearly all (162) reported as identifying as heterosexual or straight. One resident identified themselves as being gay, one resident identified themselves as being bisexual, and nine residents chose not to answer the question.



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