

Ref	Topic	Source	Date	Publication	Weblink	Document file	Ext.
INVENTORY							
	Master spreadsheet				http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	PAS 2070_Case Study_18072014	.xls
SUPPLEMENTARY DATA							
	City boundary	Local Government Commission for England	1998	Final recommendations: electoral areas for the assembly of the Greater London Authority	https://www.lgbce.org.uk/_data/assets/pdf_file/0004/7897/gla-greater-london-authority-final-recs-nov1998.pdf	LGCBE_1998_Final recommendations_1998	.pdf
	Land area	The Times	2010	Atlas of Britain: National atlas of England, Scotland, Wales and Northern Ireland			
	Population	ONS	2013	Mid-year population estimates	www.ons.gov.uk/ons/taxonomy/index.html?nscl=Population+Estimates	ONS_2013_Mid-year_population_estimates	.xls
	Non-residents working in London	ONS	2013	Annual Population Survey commuter flows, local authorities in Great Britain, 2010 and 2011	http://www.ons.gov.uk/ons/publications/re-reference-tables.html?edition=tcn%3A77-300966	ONS_2013_Annual Population Survey commuter flows 2010	.xls
	GDP	McKinsey & Company	2012	Urban world: Cities and the rise of the consuming class	www.mckinsey.com/insights/urbanization/urban_world_cities_and_the_rise_of_the_consuming_class	McK&C_2012_Urban world	.pdf
	Average temperature	Met Office	2013	Regional values – Annual 2010	www.metoffice.gov.uk/climate/uk/summaries/2010/annual/regional-values		
DIRECT PLUS SUPPLY CHAIN METHODOLOGY							
EMISSION FACTORS							
	UK Government GHG conversion factors	DEFRA	2012	2012 Guidelines to Defra / DECC's GHG Conversion Factors for Company Reporting	www.gov.uk/government/uploads/system/uploads/attachment_data/file/69554/pb13773-ghg-conversion-factors-2012.pdf	Defra Decc_2012_GHG Conversion factors	.pdf
		DEFRA	2014	UK Government conversion factors for Company Reporting, 2010	www.ukconversionfactorscarbonsmart.co.uk	Defra Decc_2012_GHG Conversion factors	.xls
	Residual fuels	Ricardo-AEA	2014	Residual fuels Efs		Restricted commercial	
	Aviation	Ricardo-AEA	2014	Aviation Efs	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	R-AEA_2014_Aviation_EFs	.xls
	Water	Thames Water	2012	Our carbon emissions	www.thameswater.co.uk/CR/Climatechange/Mitigatingclimatechange/Ourcarbonemissions/index.html	Thames Water_2013_Our carbon emissions	.html
	AFOLU	Ricardo-AEA	2014	AFOLU	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	R-AEA_2014_AFOLU	.xlsx
		WWF	2009	How low can we go?	http://assets.wwf.org.uk/downloads/how_low_can_we_go.pdf		
	Construction	MPA	2011	FS18: Embodied CO2e of UK cement, additions and cementitious material	http://cement.mineralproducts.org/documents/Factsheet_18.pdf	MPA_2011_FS18	.pdf
		University of Bath	2011	Inventory of Carbon & Energy (ICE) Version 2.0	http://web.mit.edu/2.813/www/readings/ICEv2.pdf	University of Bath_2011_ICE Version 2.0	.pdf
STATIONARY							
A1	Gas	DECC	2014	Sub-national gas sales and numbers of customers 2005-2012	www.gov.uk/government/statistical-data-sets/gas-sales-and-numbers-of-customers-by-region-and-local-authority	DECC_2014_Sub-national gas sales 2005-2012	.xls
	Residual fuel	DECC	2014	Sub-national residual fuel consumption 2005-2011	www.gov.uk/government/statistical-data-sets/estimates-of-non-gas-non-electricity-and-non-road-transport-fuels-at-regional-and-local-authority-level	DECC_2014_Sub-national residual fuel 2005-2011	.xls
A2	Electricity sales	DECC	2014	Sub-national electricity sales and numbers of customers 2005-2012	www.gov.uk/government/statistical-data-sets/regional-and-local-authority-electricity-consumption-statistics-2005-to-2011	DECC_2014_Sub-national electricity 2005-2012	.xls
A3	Energy generation	DECC	2011	Digest of UK Energy Statistics (DUKES): Power stations in the United Kingdom (tables 5.10, 5.11 and 5.12)	http://webarchive.nationalarchives.gov.uk/20130109092117/http://decc.gov.uk/assets/decc/11/stats/publications/dukes/2312-dukes-2011--full-document-excluding-cover-pages.pdf	DECC_2011_DUKES 2011	.pdf
		London Waste	2013	EcoPark Energy	www.londonwaste.co.uk/community/ecopark-energy		
		Cory	2013	Riverside Resource Recovery Facility	http://www.coryenvironmental.co.uk/page/rrrcasestudy8.htm		
		Croydon	2009	Croydon Decentralised Energy Study	www.croydon.gov.uk/contents/departments/planningandregeneration/pdf/croydondesummarydoc	Croydon_2009_Croydon Decentralised Energy Study	.pdf
		DECC	2011	Energy Trends, September 2011: Combined Heat and Power in Scotland, Wales, Northern Ireland and the regions of England in 2010	http://webarchive.nationalarchives.gov.uk/20130109092117/http://decc.gov.uk/assets/decc/11/stats/publications/energy-trends/2871-trends-sep11.pdf	DECC_2011_Energy Trends September 2011_CHP	.pdf
		DECC	2011	Energy Trends, September 2011: Renewable electricity in Scotland, Wales, Northern Ireland and the regions of England in 2010	http://webarchive.nationalarchives.gov.uk/20130109092117/http://decc.gov.uk/assets/decc/11/stats/publications/energy-trends/2871-trends-sep11.pdf	DECC_2011_Energy Trends September 2011_Renewable	.pdf
ROAD TRANSPORT							
B1	Inboundary travel	GLA	2012	London Energy and Greenhouse Gas Inventory 2010	http://data.london.gov.uk/datastore/package/leggi-2010		
B3	Weekly household expenditure	ONS	2012	Family Spending 2011 Edition: A Report on the Living Costs and Food Survey 2010	www.ons.gov.uk/ons/rel/family-spending/family-spending/family-spending-2011-edition/index.html	ONS_2012_Family Spending 2011_Appendix 35	.xls
	Total number of households	GLA	2011	2010 Round Demographic Projections using the 2009 SHLAA	http://data.london.gov.uk/datastore/package/gla-demographic-projections	GLA_2011_2010 Round Demographic Projections using the 2009 SHLAA	.pdf
	Average pump prices	UKPIA	2012	Statistical review 2012	www.ukpia.com/Libraries/Download/Stats_review_2012.sflb.ashx	UKPIA_2012_Statistical review_2012	.pdf
RAILWAYS							
B1/B2	Inboundary travel	GLA	2012	London Energy and Greenhouse Gas Inventory 2010	http://data.london.gov.uk/datastore/package/leggi-2010		

Application of PAS 2070: London, United Kingdom - Source documentation

NB Only documents not otherwise available online are uploaded onto the London Datastore

Ref	Topic	Source	Date	Publication	Weblink	Document file	Ext.
B3	Eurostar	Eurostar	2011	Eurostar reports strong growth in 2010 with sales revenue up 12% compared with 2009	www.eurostar.com/uk-en/about-eurostar/press-office/press-releases/2011/eurostar-reports-strong-growth-in-2010-with-sales#.UrYtDjdWSo		
		Eurostar	2014	Timetables	www.eurostar.com		
		Seat 61	2014	What is Eurostar	www.seat61.com/London-to-Paris-by-train.htm#.UtQKxp6qn-U		
		EC	2006	Air and rail competition and complementarity: Case study report	http://ec.europa.eu/transport/rail/studies/doc/2006_08_case_study_air_rail_competition_en.pdf – 3.21		
	Origin-destination passenger travel	ATOC	2013	Email correspondence			
	Freight travel	ORR	2013	Freight moved	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	ORR_2013_Freight moved	.xls
NAVIGATION							
B1	Inboundary travel	GLA	2013	London Atmospheric Emissions Inventory 2010	http://data.london.gov.uk/datastore/package/london-atmospheric-emissions-inventory-2010		
		GLA	2012	London Energy and Greenhouse Gas Inventory 2010	http://data.london.gov.uk/datastore/package/leggi-2010		
B3	Passenger data	DfT	2014	Email correspondence	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	DfT_2014_Sea passengers 2010_London ports.xls	.xls
					http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	DfT_2014_Sea passengers 2010_Other ports.xls	.xlsx
	Distance calculator	Google	2014	Google Maps	www.google.co.uk/maps		
AVIATION							
B1	Inboundary travel	GLA	2013	London Atmospheric Emissions Inventory 2010	http://data.london.gov.uk/datastore/package/london-atmospheric-emissions-inventory-2010		
B3	Flights to / from London airports	FlightGlobal	2013	Aviation activity data	Insert london datastore link	FlightGlobal_2013_Aviation activity data 2010-2012	.xls
	Passenger data	CAA		Passenger Survey Report 2010	www.caa.co.uk/default.aspx?catid=81&pagetype=90&pageid=7640	CAA_Passenger Survey Report 2010	.pdf
IPPU							
C1/C2	Calulations	Ricardo-AEA	2014	IPCC		Restricted commercial	
AFOLU							
D1/D2	Calculations	Ricardo-AEA	2014	AFOLU	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	R-AEA_2014_AFOLU	.xlsx
WASTE							
E1	Household waste	Eunomia	2012	An EPS for London - 2011/12 update	www.london.gov.uk/sites/default/files/EP5%20Report%20August%202013.pdf	Eunomia_2013_An EPS for London	.pdf
	Waste generated	SLR	2014	London Plan Waste Model			
	CDE waste	GLA	2011	Mayor's Buisness Waste Strategy for London	www.london.gov.uk/priorities/environment/publications/the-mayors-waste-management-strategies		
	Origin / destination of waste	SLR	2013	Revised London Plan Waste Arisings Study Review for the Greater London Authority			
E2	Wastewater	Thames Water		Ofwat July 2010 return	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	Thames Water_Ofwat July 2010 return	.xls
	treated				http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	Thames Water_Ofwat July 2010	.xls
OTHER GOODS AND SERVICES							
F1	Water supplied	GLA	2011	Mayor's Water Strategy	www.london.gov.uk/priorities/environment/publications/securing-london-s-water-future-the-mayor-s-water-strategy		
F2.2	Allotments	London Assembly	2006	A lot to Lose: London's disappearing allotments	www.london.gov.uk/sites/default/files/A%20Lot%20to%20Lose%20-%20London's%20disappearing%20allotments.pdf	London Assembly_2006_A Lot to Lose Londons disappearing allotments	.pdf
	Gardens	London Wildlife Trust	2011	London: Garden City?	www.gigl.org.uk/Portals/0/Downloads/LondonGardenCity.pdf	LWT_2011_London Garden City	.pdf
	Households growing crops	GLA	2006	Mayor's Food Strategy	www.london.gov.uk/sites/default/files/FoodStrategySummary2006.pdf	GLA_2006_Mayors Food Strategy	.pdf
	Home-grown crops	DEFRA	2011	Family Food 2011	www.gov.uk/government/uploads/system/uploads/attachment_data/file/193804/familyfood-2011report.pdf	DEFRA_2011_Family Food 2011	.pdf
	Yields	WWF	2009	How low can we go?	http://assets.wwf.org.uk/downloads/how_low_can_we_go.pdf	WWF_2009_How low can we go	.pdf
F3	Construction output, GB	ONS	2013	ONS (2013) Output in the Construction Industry, January 2013	www.ons.gov.uk/ons/publications/re-reference-tables.html?edition=tcn%3A77-276235	ONS_2013_Output in the Construction Industry	
	Construction output, NI	DPFNI	2013	DPFNI (2013) Northern Ireland Construction Bulletin, Output in the Construction Industry – Q1 2013	www.csu.nisra.gov.uk/niconsq12013.pdf	DPFNI_2013_Northern Ireland Construction Bulletin	.pdf
	Cement use, GB	BIS	2013	Monthly Statistics of Building Materials and Components	www.gov.uk/government/publications/building-materials-and-components-statistics-june-2013	BIS_2013_Monthly Statistics of Building Materials and Components	.pdf
	Steel demand, UK	EEF	2013	UK Steel Key Statistics 2011	www.eef.org.uk/NR/rdonlyres/C2F00A49-B277-4015-9EEB-74E3051721D0/19061/KeyStatistics2012.pdf	EEF_2013_Key Statistics 2012	.pdf
CONSUMPTION-BASED METHODOLOGY							
	CB report	Leeds University	2013	Consumption based GHG emissions of London	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	Leeds_2013_Consumption based GHG emissions of London_Final report	.docx
	CB data	Leeds University	2013	Consumption based GHG emissions of London	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	Leeds_2013_Consumption-based Emissions of London_Data	.xlsx
VERIFICATION							
	Verification report	Best Foot Forward	2014	GLA80512: Third party verification of London's GHG assessment using PAS2070	http://data.london.gov.uk/datastore/package/application-pas-2070-london-case-study	BFF_2014_PAS2070 Verification Report	.pdf