

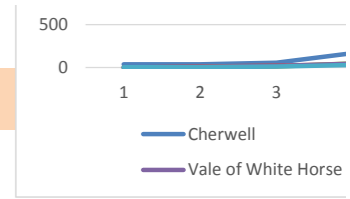
Table of Content	Saving in 2020		Sector
	MWh	tCO2e	
Low Carbon Oxford North Electric Vehicle Summertown	5	1	Transport
Low Carbon Oxford North Housing Refurbishment	16	5	Residential buildings
Low Carbon Oxford Group Tree Planting West Oxford		1	Other
Oxford Low Emission Zone		2,719	Transport
Energy saved from Oxford Public Lighting LED Phase-in (MWh)	32		Public lighting
Train Electrification (ktCO2e)		574	Transport
Oxford City Council: Own Estate Emissions (tCO2e)		1,799	Tertiary
Oxford City Council: Own Fleet Emissions (tCO2e)		613	Transport
Oxford Brookes University		3,128	Tertiary
Chiltern Railways (Cowley)		675	Transport
Go Ultra Low		37	Transport
NHS Lighting Retrofits	859	408	Tertiary
University of Oxford Savings	76,644.91	27,293	Tertiary
HECA Spreadsheet Private Housing	162	63	Residential
HECA Spreadsheet Social Housing	720	206	Residential
Diverting waste from landfill through Energy from Waste (EfW)		11,583	Waste
Community renewable energy schemes	796	378	Renewable Energy Generation
Project ERIC	175	83	Renewable Energy Generation

1. BAU		Low Carbon Oxford North Electric Vehicle Summertown Sector:		Transport						
Business As Usual										
Policy	Average added per year	Unit	2015	2016	2017	2018	2019	2020	Assumptio Reference: QC	
Average Vehicle kmage for UK car (kilometres)		kilometres	13,680.0	13,680.0	13,680.0	13,680.0	13,680.0	13,680.0	13,680.0	
Emissions from fossil fuel cars										
Policy		Unit	2015	2016	2017	2018	2019	2020	Assumptio References	
		tCO2e	2.6	2.6	2.6	2.6	2.6	2.6	2.6 #CA #22/01/2016: Assumes car club travels like an average UK car	
2. With Intervention		With intervention: Number of Vehicles in Car Club								
Policy	Average added per year	Unit	2015	2016	2017	2018	2019	2020	Assumptio Reference: QC	
		# vehicles	1.0	1.0	1.0	1.0	1.0	1.0	1.0 Assumes o http://www.lcon.org.uk/transport/e-car-club/	
Energy use by electric vehicles										
Policy		Unit	2015	2016	2017	2018	2019	2020	Assumptio Reference: QC	
		MWh	2.9	2.9	2.9	2.9	2.9	2.9	2.9 #CA #22/01/2016: Assumes car club travels like an average UK car	
Emission emitted from use of electric vehicles (MWh → tCO2e)										
Policy		Unit	2015	2016	2017	2018	2019	2020	Assumptio Reference: QC	
		tCO2e	1.4	1.4	1.4	1.4	1.4	1.4	1.4 #CA #26/04/2016: Uses Oxford BEI and MEI electricity EF	
3. Saving		Total emissions savings (tCO2e)								
Policy	Savings/year by 2020	Unit	2015	2016	2017	2018	2019	2020	Assumptio Reference: QC	
	1.18	tCO2e	1.2	1.2	1.2	1.2	1.2	1.2		

2. With Intervention		Low Carbon Oxford North Housing Refurbishment		Residential buildings						
Energy use old stock if not refurbished (MWh)										
Policy		Unit	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC
		MWh	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7 Assumes one house per year
Number of dwellings that have been refurbished (cumulative)										
Policy		Unit	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC
		# Dwellings	1	2	3	4	5	6	7	8 Assumes one house per year
Energy use in refurbished buildings (MWh)										
Policy		Unit	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC
		MWh	10.8	21.6	32.3	43.1	53.9	64.7	75.5	86.2 Assumes 40% energy improvement following refurbishment

2. With I	Emissions under 5% year on year scenario	0.95 tCO2e	5345.78	5078.49	4824.57	4583.34	4354.17	4136.46	3929.64	3733.16	3546.50	Assumes 5% year on year reduction	
3. Saving	Oxford City Council: Own Estate Reductions												
	Savings compared to 2012	Savings/year	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC	
	Savings from Own Estate Reductions	1799.3 tCO2e		0	267.3	521.2	762.4	991.6	1209.3	1416.1	1612.6	1799.3	
2. With Interventio	Oxford City Council: Own Fleet Emissions (tCO2e) Sector: Transport												
	Total emissions	Reduction/ye	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC	
	Municipal fleet emissions (5% reduction)	0.95 tCO2e		1,821.2	1,730.1	1,643.6	1,561.5	1,483.4	1,409.2	1,338.8	1,271.8	1,208.2 Assumes 5% per year reduction	
3. Saving	Oxford City Council: Own Fleet												
	Savings compared to 2012	Savings/year	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC	
	Savings from Own Fleet	613.0 tCO2e		0	91.1	177.6	259.8	337.8	412.0	482.5	549.4	613.0	
2. With Interventio	Oxford Brookes University Sector: Tertiary												
	Total emissions	Reduction	Unit	2005	2012	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC
	28% reduction goal by 2	72.00% tCO2e		14,640.0	13,669.0	13,278.0	12,887.0	12,495.9	12,104.9	11,713.9	11,322.9	10,931.8	10,540.8 Gavid Hodgson email, 30th March 2016
3. Saving	Savings compared to 2012												
	28% reduction goal by 2020	Savings/year by 2020	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC	
	28% reduction goal by 2020	3,128.2		-	391.0	782.0	1,173.1	1,564.1	1,955.1	2,346.2	2,737.2	3,128.2	
1. BAU	Chiltern Railways (Cowley) Sector: Transport												
	Vehicle kilometres by mode (pkms)												
	Mode	Unit	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC			
	Car	kilometers	4,515,030								4,515,030		
	Bus	kilometers	555,696								555,696		
	Train	kilometers	0								-		
2. With Intervention	Modal change (pkms)												
	Mode	Unit	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC			
	Car	kilometers	4,515,030								-	Change in vehicle kilometres car to train	
	Bus	kilometers	555,696								-	Change in vehicle kilometres bus to train	
	Train	kilometers	-								5,070,726	Change in vehicle kilometres train	
2. With Intervention	Emission change from modal change (tCO2e)												
	Mode	Unit	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC			
	Car	tCO2e									843.36		
	Bus	tCO2e									60.48	#RG #16/06/2016 #FIXED changed EF from tCO2e/vkm to tCO2e/km	
	Train	tCO2e									-228.47		
3. Saving	Savings												
	Policy	Reduction	Savings/year by 2020	Unit	2013	2014	2015	2016	2017	2018	2019	2020 Assumptio Reference: QC	
	Total saving from modal shift from car to ti	675.37		tCO2e	0	0	0	0	0	0	0	675.37 Assumes all savings come into effect in 2020	
1. BAU	Go Ultra Low Sector: Transport												
	Step 1: Government's expected EV growth (% growth)												
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	References
	UK EV growth (BAU)	0%	0%	1%	1%	2%	2%	3%	4%	5%	6%	7%	https://www.gov.uk/government/uploads/system/uploads/attachme
	UK EV growth (BAU) since 2015						100%	150%	200%	250%	300%	350%	https://www.gov.uk/government/uploads/system/uploads/attachme
1. BAU	Step 2: Business as usual electrical vehicle growth												
	LA	Unit	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
	Cherwell	# vehicles	39	39	55	167	168	252	336	420	504	588	
	Oxford	# vehicles	2	11	22	38	67	101	134	168	201	235	
	South Oxfordshire	# vehicles	0	4	10	50	112	168	224	280	336	392	
	Vale of White Horse	# vehicles	1	8	19	44	97	146	194	243	291	340	

West Oxfordshire	# vehicles	3	4	10	29	67	101	134	168	201	235	
Total	# vehicles	45	66	116	328	511	767	1022	1278	1533	1789	
Step 3: EV proportion of total fleet												
LA							2015	Assumptio Reference: QC				
Total number of cars						361360						
Proportion of vehicles in Oxfordshire that are Evs						0.0014						



Step 4: Calculation of total number of electric vehicles affecting Oxford's traffic emissions													
LA	% by car	Inward commutin Fraction	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Assumptio Reference: QC
Cherwell	44%	9528					6	9	12	15	18	21	http://www.neighbourhood.statistics.gov.uk/HTMLDocs/dvc193/#sty:
Oxford	-	100%					67	101	134	168	201	235	http://www.neighbourhood.statistics.gov.uk/HTMLDocs/dvc193/#sty:
South Oxfo	46%	7369					5	7	10	12	14	17	http://www.neighbourhood.statistics.gov.uk/HTMLDocs/dvc193/#sty:
Vale of Wh	46%	10754					7	11	14	18	21	25	http://www.neighbourhood.statistics.gov.uk/HTMLDocs/dvc193/#sty:
West Oxfo	49%	7541					5	8	10	13	16	18	http://www.neighbourhood.statistics.gov.uk/HTMLDocs/dvc193/#sty:
Total		35192					90	135	180	225	270	315	

Step 5: People's reasons for getting an EV												
LA	Reason for getting an EV	%	Unit	2016	2017	2018	2019	2020	Assumptio Reference: QC			
Oxfordshire	Saving money	40%	# vehicles	54	72	90	108	126	#CA #27/0: https://www.gov.uk/government/uploads/system/uploads/attachme			
Oxfordshire	Environment/climate change	40%	# vehicles	54	72	90	108	126	#CA #27/0: https://www.gov.uk/government/uploads/system/uploads/attachme			
Oxfordshire	Innovation and fun	10%	# vehicles	13	18	22	27	31	#CA #27/0: https://www.gov.uk/government/uploads/system/uploads/attachme			
Oxfordshire	Charging point availability	10%	# vehicles	13	18	22	27	31	#CA #27/0: https://www.gov.uk/government/uploads/system/uploads/attachme			
Oxfordshire	Quality Control	100%	# vehicles	135	180	225	270	315	#CA #27/0: https://www.gov.uk/government/uploads/system/uploads/attachme			

Step 6: Number of new Evs as a result of charging-point roll out											
LA	Unit	2016	2017	2018	2019	2020	Assumptio Reference: QC				
Oxfordshire	cumulative effect of people getting Evs as result of roll-out # vehicles	13	18	22	27	31					

Step 7: Oxford emissions saved from petro & diesel cars to EV switch by the charging point roll out											
LA	Unit	2016	2017	2018	2019	2020	Assumptio Reference: QC				
Oxford	tCO2e	34	46	57	69	80	#CA #27/04/2016: Utilises CO2e EF for UK average diesel and petrol mix				

Step 8: Additional energy consumption from EVs (MWh)											
LA	Unit	2016	2017	2018	2019	2020	Assumptio Reference: QC				
Oxford	MWh	-39	-52	-65	-78	-91					

Step 9: Additional emissions from EV energy consumption (tCO2e/year)											
LA	Unit	2016	2017	2018	2019	2020	Assumptio Reference: QC				
Oxford	tCO2e	-19	-25	-31	-37	-43	#CA #27/04/2016: Now using Oxford BEI electricity EF				

Step 10: Total savings from the increase in Evs											
LA	Savings/year by 2020	Unit	2016	2017	2018	2019	2020	Assumptio Reference: QC			
Oxford	37.04	tCO2e	16	21	26	32	37				

2. With Intervention

3. Saving

1. BAU

2. With Intervel

Saving

NHS Lighting Retrofits											
Energy use from business as usual light fittings			Sector:	Tertiary							
Light fitting type			Unit	2020 Assumptio Reference: QC							
Business as usual light fittings			MWh	2,209 Assumes 2 http://www.ouh.nhs.uk/about/developments/energy/documents/vita							
Energy use from low energy fittings											
Light fitting type			Unit	2020 Assumptio Reference: QC							
Low energy fittings			MWh	1,350 Assumes 2 http://www.ouh.nhs.uk/about/developments/energy/documents/vita							
Saving compared to BAU											
Light fitting type			Savings/year by 2020	Unit	2016	2017	2018	2019	2020	Assumptio Reference: QC	
Saving compared to BAU			859	MWh					859		

3.1	University of Oxford Savings											Sector:	Tertiary								
2. With Intervention	Emissions with 33% reduction goal	Goal	Unit	2005	2012	2013	2016	2017	2018	2019	2020	Assumptio	Reference: QC								
	University of Oxford Total Emissions		tCO2e	65,900	71,446	74,518					44,153		http://www.admin.ox.ac.uk/media/global/wwwadminoxacuk/localsite								
	Growth from baseline year	-33.00%	%	0.0%	8.4%	13.1%					-67.00%		http://www.admin.ox.ac.uk/media/global/wwwadminoxacuk/localsite								
	Growth from 2012		%			4.3%															
3. Saving	Savings compared to 2012 MEI	Savings/year by 2020	Unit											Assumptio	Reference: QC						
	Savings 2012 - 2020	27,293	tCO2e												http://www.admin.ox.ac.uk/media/global/wwwadminoxacuk/localsite						
1. BAU	HECA Spreadsheet Private Housing											Sector:	Residential								
1. BAU	Energy consumption BAU	# properties	Unit	2012	2015	2016	2017	2018	2019	2020	Assumptio	Reference: QC									
	Private rented properties: If properties ren	25	MWh/year	670	670	670	670	670	670	670	670	Assumption that these properties move from F to E									
1. BAU	Replaced boilers BAU	# boilers	Unit	2012	2015	2016	2017	2018	2019	2020	Assumptio	Reference: QC									
	BAU boilers - energy production	5	MWh/year	52	52	52	52	52	52	52	52	5 boilers in #CA #16/05/2016: HECA spreadsheet received from Debbie Haynes 12									
	BAU boilers - GHG emissions	5	tCO2e/year	25	25	25	25	25	25	25	25	Uses Oxford Electricity Factor because previous boilers were electric									
2. With Intervention	Energy consumption with intervention	# properties	Unit	2012	2015	2016	2017	2018	2019	2020	Assumptio	Reference: QC									
	Private rented properties: Properties retrof	25	MWh/year	670	500	500	500	500	500	500	500	Assumes move from EPC F to EPC D rating									
2. With Intervention	Replaced boilers with intervention	# boilers	Unit	2012	2015	2016	2017	2018	2019	2020	Assumptio	Reference: QC									
	Replaced boilers - energy production	5	MWh/year	52	52	52	52	52	52	52	52	Assumes same energy production as BAU									
	Replaced boilers - GHG emissions	5	tCO2e/year	25	11	11	11	11	11	11	11	Uses Natural Gas EF									
3. Saving	Total savings	Savings/year by 2020	Unit	2012	2015	2016	2017	2018	2019	2020	Assumptio	Reference: QC									
	Savings from properties switched from F to D		MWh	0	170	170	170	170	170	170	170										
	Properties switched (MWh to tCO2e)		tCO2e	0	49	49	49	49	49	49	49										
	Savings from boiler replacements		tCO2e	0	14	14	14	14	14	14	14										
	Total carbon savings	62.8	tCO2e	0	63	63	63	63	63	63	63										
2. With Intervention	HECA Spreadsheet Social Housing											Sector:	Residential								
2. With Intervention	Colour cod	HECA Social Housing Policies	Data	Unit	2012	2015	2016	2017	2018	2019	2020	Assumptio	Reference: QC								
		Energy Education	60	# addressed individuals	0	0	60	60	60	60	60	60	60 people i #CA #16/05/2016: HECA spreadsheet received from Debbie Haynes 12								
		Home energy visits - number of visits	-	# visited households	0	302	1920	3000	3000	3000	3000	3000	#CA #16/05/2016: Outputs from Energy Advice Officers from Debbie H								
		Home energy visits - addressed households	-	# addressed households	0	21	134	209	209	209	209	209	500 visits c #CA #16/05/2016: HECA spreadsheet received from Debbie Haynes 12								
		Cavity wall insulations	210	# addressed households	0	210	210	210	210	210	210	210	210 cavity #CA #16/05/2016: HECA spreadsheet received from Debbie Haynes 12								
		External wall insulations	80	# addressed households	0	80	80	80	80	80	80	80	80 externa #CA #16/05/2016: HECA spreadsheet received from Debbie Haynes 12								
		CWI refills on Stockleys Road	13	# addressed households	0	13	13	13	13	13	13	13	Assumes fl #CA #16/05/2016: HECA spreadsheet received from Debbie Haynes 12								
2. With Intervention	HECA Social Housing Policies											Unit	2012	2015	2016	2017	2018	2019	2020	Assumptio	Reference: QC
		Energy Education energy reduction		MWh	0	0	39	39	39	39	39	39	39	Assumes 5% saving							
		Home energy visits - addressed households		MWh	0	18	113	176	176	176	176	176	176	Assumes 5% saving							
		Cavity Wall Insulation		tCO2e	0	93	93	93	93	93	93	93	93	Assumes 3 #RG #06/06/2016 Changed EF to mid-terrace							
		External wall insulations		tCO2e	0	49	49	49	49	49	49	49	49	Assumes 610kg CO2e saving per flat per year							
		CWI refills on Stockleys Road		tCO2e	0	3	3	3	3	3	3	3	3	Assumes reduced improvement from CWI due to some previous benefit							
2. With Intervention	HECA Social Housing Policies	Savings/year by 2020	Unit	2012	2015	2016	2017	2018	2019	2020	Assumptio	Reference: QC									

3. Saving	Total energy savings		MWh	0		215
	Energy savings converted to carbon savings		tCO2e	0		61
	Total carbon savings		tCO2e	205.8	0		206
1. BAU	Diverting waste from landfill through Energy from Waste (EfW)		Sector:	Waste		
	Business As Usual Policy		Unit	2012	2020 Assumptio Reference: QC	
	Business as usual waste emissoins		tCO2e	13,363.7		9,192.7
2. With Inter	With energy from waste plant					
	Policy		Unit	2012	2020 Assumptio Reference: QC	
	Energy from Waste plant		tCO2e	13,363.7		1780.398211
3. Saving	Total emissions savings (tCO2e)					
	Policy	Savings/year by 2020	Unit	2012	2020 Assumptio Reference: QC	
	Savings from EfW plant	11,583	tCO2e	13,363.7		7,412.3
2. With Intervention	Community renewable energy schemes		Sector:	Renewable Energy Generation		
	Policy	Status	Unit	Annual generation (2016)	2012	2020 Assumptio Reference: QC
	Cheney School	Completed	MWh	77	0	77
	Larkrise Primary School	Completed	MWh	18	0	18
	Osney Lock Hydro	Completed	MWh	186	0	186
	St. Barnabas School	Completed	MWh	23	0	23
	The Cherwell School	Completed	MWh	28	0	28
	Rosehill Primary	In pipeline	MWh	34	0	34
	Endeavour Academy	In pipeline	MWh	43	0	43
	Windmill	In pipeline	MWh	43	0	43
	Council blocks	Completed	MWh	85	0	85
	Solar PV on social housir	Completed	MWh	136	0	136
	Solar PV on social housir	Completed	MWh	123	0	123
	Total generation				-		796.2
3. Saving	Policy	Status	Savings/year by 2020	Unit	2012	2020 Assumptio Reference: QC
	Community renewable e	Completed and in	378.3	tCO2e	-	378.30
2. With Intervention	Project ERIC		Sector:	Renewable Energy Generation		
	Policy	Status	Unit	Annual generation (2016)	2012	2020 Assumptio Reference: QC
	Project ERIC	Completed	MWh	175	0	175 #CA #03/06/2016: Based on phone call with Andy Edwards of Bioregional/Project
	Project ERIC	In pipeline	MWh	0	0	0 #CA #03/06/2016: According to Andy Edwards of BioRegiona/Project ERIC there's
3. Saving	Policy	Status	Savings/year by 2020	Unit	2012	2020 Assumptio Reference: QC
	Community renewable e	Completed and in	83.1	tCO2e	0	83

Lookup	Pathfinder organisation		Year start date	Year end date	Aggregated CO2 (kg)	Included Elsewhere?	Baseline 2012 CO2 (kg)	2013	2014	2015	2016	2017	2018	2019	2020	Saving (kg)	Industrial Sa	Tertiary Saving
2degrees Limited_2012	2degrees Limited	Tertiary	01/01/2012	25/01/2013	15557	No	15,557	15,090	14,638	14,198	13,772	13,359	12,959	12,570	12,193	3,364	0	3364.29401
Amey plc_2012	Amey plc	Tertiary	01/01/2012	31/12/2012	0	No	-	-	-	-	-	-	-	-	-	-	0	0
Amey plc_2012	Amey plc	Tertiary	01/01/2012	31/12/2012	222257.3853	No	222,257	215,590	209,122	202,848	196,763	190,860	185,134	179,580	174,193	48,065	0	48064.6355
Oxfam GB_2012	Oxfam GB	Tertiary	01/04/2012	01/03/2013	721885.1346	No	721,885	700,229	679,222	658,845	639,080	619,907	601,310	583,271	565,773	156,112	0	156112.454
Oxfam GB_2012	Oxfam GB	Tertiary	01/04/2012	01/03/2013	177724.95	No	177,725	172,393	167,221	162,205	157,339	152,618	148,040	143,599	139,291	38,434	0	38434.2006
Oxford Brookes University_2012	Oxford Brookes University	Tertiary	01/09/12	31/08/13	11146230	Yes	-	-	-	-	-	-	-	-	-	-	0	0
Oxford City Council_2012	Oxford City Council	Tertiary	01/04/2012	31/03/2013	2602601.107	Yes	-	-	-	-	-	-	-	-	-	-	0	0
Oxford City Council_2012	Oxford City Council	Tertiary	01/04/2012	31/03/2013	2097988.141	Yes	-	-	-	-	-	-	-	-	-	-	0	0
Oxford University Hospitals NHS Tru	Oxford University Hospitals NH	Tertiary	01/04/2012	31/03/2013	24560152.01	Yes	-	-	-	-	-	-	-	-	-	-	0	0
Oxford University Hospitals NHS Tru	Oxford University Hospitals NH	Tertiary	01/04/2012	31/03/2013	13545580.58	Yes	-	-	-	-	-	-	-	-	-	-	0	0
Oxford University Hospitals NHS Tru	Oxford University Hospitals NH	Tertiary	01/04/2012	31/03/2013	3918600.848	Yes	-	-	-	-	-	-	-	-	-	-	0	0
Oxfordshire County Council- total_2012	Oxfordshire County Council- to	Tertiary	01/04/2012	30/03/2013	7270948	No	7,270,948	7,052,820	6,841,235	6,635,998	6,436,918	6,243,811	6,056,496	5,874,802	5,698,558	1,572,391	0	1572390.87
Oxfordshire County Council- total_2012	Oxfordshire County Council- to	Tertiary	01/04/2012	30/03/2013	3751511	No	3,751,511	3,638,965	3,529,796	3,423,902	3,321,185	3,221,550	3,124,903	3,031,156	2,940,221	811,289	0	811289.072
The Oxford Bus Company_2012	The Oxford Bus Company	Tertiary	01/07/2012	30/06/2013	323698.8566	No	323,699	313,988	304,568	295,431	286,568	277,971	269,632	261,543	253,697	70,002	0	70002.0273
The Oxford Bus Company_2012	The Oxford Bus Company	Tertiary	01/07/2012	30/06/2013	90752.848	No	90,753	88,030	85,389	82,828	80,343	77,933	75,595	73,327	71,127	19,626	0	19625.906
Unipart Group_2012	Unipart Group	Industrial	01/01/2012	01/12/2012	4390670.561	No	4,390,671	4,258,950	4,131,182	4,007,246	3,887,029	3,770,418	3,657,306	3,547,586	3,441,159	949,512	949511.67	0
Unipart Group_2012	Unipart Group	Industrial	01/01/2012	01/12/2012	907117.1762	No	907,117	879,904	853,507	827,901	803,064	778,972	755,603	732,935	710,947	196,170	196170.11	0
University of Oxford_2012	University of Oxford	Tertiary	01/08/2012	31/07/2013	18401475.58	Yes	-	-	-	-	-	-	-	-	-	-	0	0
University of Oxford_2012	University of Oxford	Tertiary	01/08/2012	31/07/2013	47865438.01	Yes	-	-	-	-	-	-	-	-	-	-	0	0
University of Oxford_2012	University of Oxford	Tertiary	01/08/2012	31/07/2013	0	Yes	-	-	-	-	-	-	-	-	-	-	0	0
University of Oxford_2012	University of Oxford	Tertiary	01/08/2012	31/07/2013	0	Yes	-	-	-	-	-	-	-	-	-	-	0	0
University of Oxford_2012	University of Oxford	Tertiary	01/08/2012	31/07/2013	140250.7408	Yes	-	-	-	-	-	-	-	-	-	-	0	0
																3,864,965	1,145,682	2,719,283

Back Data

Description: This is the Back Data sheet for contains back data from the 848 UK Times, 640 Oxfordshire LEP, 888 Aberdeen PAMs project, 885 Oxford SEAP projects

Emission Factors							
Geographical area	Item	Fuel	Data	Unit	Assumption	Project	Reference
Oxford	2005 CO2 EF for Electricity not produced locally	Electricity	0.47515	tCO2e/MWh	Oxford SEAP BEI emission factor	Oxford SEAP	Oxford BEI and MEI, Project ID 885
Oxford	2005 CO2 EF for Natural Gas not produced locally	Natural gas	0.2044	tCO2e/MWh	Oxford SEAP BEI emission factor	Oxford SEAP	Oxford BEI and MEI, Project ID 885
Oxford	2005 CO2 EF for Heating Oil not produced locally	Heating oil	0.2849	tCO2e/MWh	Oxford SEAP BEI emission factor	Oxford SEAP	Oxford BEI and MEI, Project ID 885
Oxford	2005 CO2 EF for Diesel not produced locally	Diesel	0.26756	tCO2e/MWh	Oxford SEAP BEI emission factor	Oxford SEAP	Oxford BEI and MEI, Project ID 885
Oxford	2005 CO2 EF for Gasoline not produced locally	Gasoline	0.25319	tCO2e/MWh	Oxford SEAP BEI emission factor	Oxford SEAP	Oxford BEI and MEI, Project ID 885
Oxford	2005 CO2 EF for Coal not produced locally	Coal	0.3393	tCO2e/MWh	Oxford SEAP BEI emission factor	Oxford SEAP	Oxford BEI and MEI, Project ID 885
Oxford	2005 CO2 EF for Other fossil fuels not produced locally	Other fossil fu	0.3887	tCO2e/MWh	Oxford SEAP BEI emission factor	Oxford SEAP	Oxford BEI and MEI, Project ID 885
Oxford	2005 Domestic Blended EF	Domestic fuel	0.285876543	tCO2e/MWh	Blended EF for Oxford based on energy fraction	Oxford SEAP	Oxford BEI emission factors and Oxford Domestic Energy use 2013
UK	UK 2015 Electricity EF	Electricity	0.46219	kgCO2e/kWh	http://www.ukconversionfactorscarbonsmart.co.uk/	UK Times	http://www.ukconversionfactorscarbonsmart.co.uk/
UK	UK 2015 Electricity EF	Electricity	0.00046219	tCO2e/GWh	Calculation	UK Times	Calculation
UK	UK 2015 Domestic Coal EF	Coal	3065.265	kgCO2e / tonne	Domestic coal	UK Times	DEFRA Carbon Factors for 2012 and 2013, http://www.ukconversionfactorscarbonsmart.co.uk/
Oxford	Domestic EF calculation	Coal	3864.220031	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Domestic EF calculation	Manufactured	4323.447	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Domestic EF calculation	Petroleum prc	4793.569	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Domestic EF calculation	Gas	703843.531	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Domestic EF calculation	Electricity	221335.533	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Domestic EF calculation	Coal	0.004118934	Percentage	0.362031691	Oxford SEAP	BEI EF
Oxford	Domestic EF calculation	Manufactured	0.004608431	Percentage	0.296	Oxford SEAP	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/338750/DUK
Oxford	Domestic EF calculation	Petroleum prc	0.005109542	Percentage	0.253192837	Oxford SEAP	BEI EF
Oxford	Domestic EF calculation	Gas	0.750238025	Percentage	0.205927621	Oxford SEAP	BEI EF
Oxford	Domestic EF calculation	Electricity	0.235925068	Percentage	0.536543093	Oxford SEAP	BEI EF
Oxford	2013 Domestic Energy Emission Factor	Blended	0.285227677	tCO2e/MWh	Excludes bio energies and waste (0.1% of total)	Oxford SEAP	Calculation
Oxford	Industrial & Commercial EF calculation	Coal	8.406	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Industrial & Commercial EF calculation	Manufactured	3.028	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Industrial & Commercial EF calculation	Petroleum prc	51242.128	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Industrial & Commercial EF calculation	Gas	761174.55	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Industrial & Commercial EF calculation	Electricity	662660.707	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Industrial & Commercial EF calculation	Coal	5.69864E-06	Percentage	0.362031691	Oxford SEAP	BEI EF
Oxford	Industrial & Commercial EF calculation	Manufactured	2.05276E-06	Percentage	0.296	Oxford SEAP	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/338750/DUK
Oxford	Industrial & Commercial EF calculation	Petroleum prc	0.034738334	Percentage	0.253192837	Oxford SEAP	BEI EF
Oxford	Industrial & Commercial EF calculation	Gas	0.51601947	Percentage	0.205927621	Oxford SEAP	BEI EF
Oxford	Industrial & Commercial EF calculation	Electricity	0.449234445	Percentage	0.536543093	Oxford SEAP	BEI EF
Oxford	2013 Ind & Com Energy Emission Factor	Blended	0.356094469	tCO2e/MWh	Excludes bio energies and waste	Oxford SEAP	Calculation
Oxford	2013 Transport Blended Fuels Emission Factor	Blended	0.244687101	tCO2e/MWh	Diesel and Petrol blend based on 2013 activity data	Aberdeen PAMs	Calculation
Oxford	Total Energy EF Calculation	Coal	3872.626381	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Total Energy EF Calculation	Manufactured	4326.475	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Total Energy EF Calculation	Petroleum prc	534912.905	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Total Energy EF Calculation	Gas	1465018.081	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Total Energy EF Calculation	Electricity	883996.24	MWh in 2013	-	Oxford SEAP	DECC Sub national total final energy consumption statistics for 2013
Oxford	Total Energy EF Calculation	Coal	0.001339024	Percentage	0.362031691	Oxford SEAP	BEI EF
Oxford	Total Energy EF Calculation	Manufactured	0.00149595	Percentage	0.296	Oxford SEAP	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/338750/DUK
Oxford	Total Energy EF Calculation	Petroleum prc	0.184954889	Percentage	0.253192837	Oxford SEAP	BEI EF
Oxford	Total Energy EF Calculation	Gas	0.506553973	Percentage	0.205927621	Oxford SEAP	BEI EF
Oxford	Total Energy EF Calculation	Electricity	0.305656164	Percentage	0.536543093	Oxford SEAP	BEI EF

Oxford	2013 Total Energy Emission Factor	Blended	0.316067982 tCO2e/MWh	Excludes bio energies and waste	Oxford SEAP	Calculation
UK	2005 CO2 to CO2e ratio	Electricity	0.47537 kgCO2/kWh	Year 2005 electricity	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2005 CO2 to CO2e ratio	Electricity	0.47853 kgCO2e/kWh	Year 2005 electricity	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2005 CO2 to CO2e ratio	Electricity	1.006647454 Ratio	Year 2005 electricity	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Coal	0.3147 kgCO2/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Coal	0.36588 kgCO2e/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Coal	1.162631077 Ratio	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Natural gas	0.18407 kgCO2/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Natural gas	0.18445 kgCO2e/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Natural gas	1.002064432 Ratio	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Manufactured	0.33291 kgCO2/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Manufactured	0.33554 kgCO2e/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Manufactured	1.007900033 Ratio	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Petroleum prc	0.26696 kgCO2/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Petroleum prc	0.26798 kgCO2e/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Petroleum prc	1.003820797 Ratio	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Heating oil	0.24536 kgCO2/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Heating oil	0.24657 kgCO2e/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Heating oil	1.004931529 Ratio	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Diesel	0.24952 kgCO2/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Diesel	0.25154 kgCO2e/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Diesel	1.008095543 Ratio	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Gasoline	0.23215 kgCO2/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Gasoline	0.23299 kgCO2e/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Gasoline	1.00361835 Ratio	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Other fossil fu	0.35635 kgCO2/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Other fossil fu	0.36772 kgCO2e/kWh	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	2015 CO2 to CO2e ratio	Other fossil fu	1.031906833 Ratio	Year 2015 value (2005 not available)	Oxford SEAP	DEFRA Carbon Factors for 2005 and 2015, http://www.ukconversionfactorscarbonsmart.cc
UK	Waste incineration emission factor	Waste	0.700193 tCO2e/MWh	Includes CO2, N2O and CH4	Oxford SEAP	http://www.ipcc-nggip.iges.or.jp/public/gp/bgp/5_3_Waste_Incineration.pdf

Transport Data							
Geographical area	Item	Year	Data	Unit	Assumption	Project	Reference
UK Transport	UK Average Car Emissions per km 2015		Petrol and die	0.18679 kg CO2e/km	Average Vehicle	Aberdeen PAMs	DEFRA Carbon Factors
UK Transport	UK Average Car Emissions per km 2015		Petrol and die	0.00018679 tCO2e/km	Average Vehicle	Aberdeen PAMs	DEFRA Carbon Factors
UK Transport	UK Average Car Emissions (t/km) (2013 - 2015 average)		Petrol and die	0.00018679 tCO2e/km	Average Vehicle	Aberdeen PAMs	DEFRA Carbon Factors
UK Transport	Diesel CO2 emissions per kWh 2015		Diesel	0.25154 kg CO2e/kWh	Average Vehicle	Aberdeen PAMs	DUKES, 2014. https://www.gov.uk/government/uploads/system/uploads/attachment_data/f
UK Transport	Petrol CO2 emissions per kWh 2015		Petrol	0.23299 kg CO2e/kWh	Average Vehicle	Aberdeen PAMs	DUKES, 2014. https://www.gov.uk/government/uploads/system/uploads/attachment_data/f
UK Transport	Diesel CO2 emissions per litre 2015		Diesel	2.676493668 kg CO2e/litre	Average Vehicle	Aberdeen PAMs	DUKES, 2014. https://www.gov.uk/government/uploads/system/uploads/attachment_data/f
UK Transport	UK Average Transport Fuel mix CO2 per kWh 2013		Petrol and die	0.244687101 kg CO2e/kWh	Average Vehicle	Aberdeen PAMs	Melanie calculations for fractions + DUKES, 2014 above
UK Transport	UK Average Transport Fuel mix CO2 per MWh 2013		Petrol and die	0.244687101 tCO2e/MWh	Average Vehicle	Aberdeen PAMs	Melanie calculations for fractions + DUKES, 2014 above
EU Transport	Volvo 9700 Euro 4 40km/h annual average speed	2015		0.31 litre/km	Assumes Oxford Buses used to be Euro 4, and that they drive on average 40km/h	Oxford SEAP	http://volvobusenvironmentblog.com/2013/09/12/coach-fuel-consumption/
EU Transport	Volvo 9700 Euro 5 40km/h annual average speed	2015		0.27 litre/km	Assumes Oxford Buses are now Euro 5, and that they drive on average 40km/h	Oxford SEAP	http://volvobusenvironmentblog.com/2013/09/12/coach-fuel-consumption/
EU Transport	Volvo 9700 Euro 4 40km/h annual average speed	2015		0.000829713 tCO2e/km	Assumes Oxford Buses used to be Euro 4, and that they drive on average 40km/h	Oxford SEAP	Calc
EU Transport	Volvo 9700 Euro 5 40km/h annual average speed	2015		0.000722653 tCO2e/km	Assumes Oxford Buses are now Euro 5, and that they drive on average 40km/h	Oxford SEAP	Calc
UK Transport	Bus CO2 emissions per person kilometre	2015		0.10883 kg CO2e/pkm	Assumes as efficient buses in Aberdeen as in Oxford	Aberdeen PAMs	DCF Carbon factors 2016

UK Transport	Bus CO2 emissions per person kilometre	2015	0.00010883 tCO2e/pkm	Assumes as efficient buses in Aberdeen as in Oxford	Aberdeen PAMs	DCF Carbon factors 2016
UK Transport	Train CO2 emissions per person kilometre	2015	0.045057182 kgCO2e/pkm	Assumes as efficient buses in Aberdeen as in Oxford	Aberdeen PAMs	DCF Carbon factors 2016
UK Transport	Train CO2 emissions per person kilometre	2015	4.50572E-05 tCO2e/pkm	Assumes as efficient buses in Aberdeen as in Oxford	Aberdeen PAMs	DCF Carbon factors 2016
Oxford LEZ Transport	Number of buses already Euro 5 entering LEZ	2015	100 # buses	Just counting those that were bought as Euro V, not retrofitted	Oxford SEAP	https://www.oxford.gov.uk/downloads/file/562/low_emission_zone_bus_operator_list
Oxford LEZ Transport	Fraction of buses bought as result of LEZ	2015	0.4 Percentage	Assumes that half the buses were upgraded as a result of the LEZ, and that the other half would've been bought anyway to upgrade vehicles.	Oxford SEAP	Update this based on workshop meeting
Oxford LEZ Transport	Number of new buses as a result of the LEZ	N/A	40 # buses	Assumes that half the buses were upgraded as a result of the LEZ, and that the other half would've been bought anyway to upgrade vehicles.	Oxford SEAP	Update this based on workshop meeting
Oxford LEZ Transport	OBC Total distance	2015	23000000 kilometres	-	Oxford SEAP	http://www.go-ahead.com/content/dam/go-ahead/corporate/documents/Sustainability%20Reports/PerformanceAndReports/Archive/oxford-lez-2015.pdf although this one says 250 -> http://www.go-ahead.com/en/sustainability-reports/2015-2016
Oxford LEZ Transport	OBC Total number of buses	2015	160 # buses	-	Oxford SEAP	
Oxford LEZ Transport	Average distance travelled by OBC bus in 2015	2015	143750 km/bus	Assumes that all OBC buses drive the same distance	Oxford SEAP	Calculation
UK Transport	Nissan Leaf Fuel Use	2015	0.000000212 GWh/km	-	Oxfordshire LEP	http://www.fueleconomy.gov/feg/Find.do?action=sbs&id=30979
UK Transport	Nissan Leaf Fuel Use	2015	0.000212 MWh/km	-	Oxfordshire LEP	http://www.fueleconomy.gov/feg/Find.do?action=sbs&id=30979
UK Transport	Average Annual UK Car Milage (Small Cars)	2015	13680 km/year	Used to underpin assumption that Evs travel as far a small car	Oxfordshire LEP	http://www.car-insurance-information.org/average-annual-car-miles-uk/
UK Transport	Electric Vehicle lifetime milage	2015	150000 Miles	-	Oxfordshire LEP	http://www.epri.com/abstracts/Pages/ProductAbstract.aspx?ProductId=0000000030020017
UK Transport	Electric Vehicle lifetime milage	2015	241401.6 kilometres	-	Oxfordshire LEP	Calculation
UK	Electric train CO2 emissions improvement	2015	0.2 Percentage	Assumes electrification leads to 20% emission reduction (conservative estimate)	Oxford SEAP	https://www.gov.uk/government/news/green-light-for-new-trains-and-rail-electrification
Oxford	Frequency of diesel trains passing Oxford	2016	0.5 Percentage	50% reduction in diesel trains	Oxford SEAP	Elaine Robinson, Great Western Route Modernisation email
Oxford	Oxford trains per day: Freight	2016	0.137524558 percentage	70	Oxford SEAP	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Oxford trains per day: Non-passenger	2016	0.392927308 percentage	200	Oxford SEAP	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Oxford trains per day: Passenger	2016	0.469548134 percentage	239	Oxford SEAP	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Current mode share - car	2015	0.65 car users	-	Cowley Branch Pro	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Current mode share - bus	2015	0.08 bus riders	-	Cowley Branch Pro	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Current mode share - cycle	2015	0.12 cyclists	-	Cowley Branch Pro	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Current mode share - train	2015	0 train passengers	-	Cowley Branch Pro	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Current mode share - other	2015	0.15 other	-	Cowley Branch Pro	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Current vehicle kilometres - car	2015	4515030 pkms	-	Calculation	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Current vehicle kilometres - bus	2015	555696 pkms	-	Calculation	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Current vehicle kilometres - train	2015	0 kilometres	-	Calculation	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Chiltern Railway: Reduced Bus Passenger Load	2020	1.05 bus ridership	#CA #14/04/2016: Discussed with AP that even though less people take the bus, many of the buses will run anyway but with a smaller load. I've added 5% here to reduce the savings achieved by less people taking the bus	Own assumption	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Oxford Science Park to Oxford return distance	2020	14 kilometres		Google Maps	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s

Oxford	Oxford Business Park to Oxford return distance	2020	12 kilometres		Google Maps	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Oxford Science Park to Oxford journeys	2020	157992 trips		Cowley Branch Pro	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Oxford Business Park to Oxford journeys	2020	394526 trips		Cowley Branch Pro	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Annual kms modal shift from Science Park	2020	2211888 kilometres		Calculation	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Annual kms modal shift from Business Park	2020	4734312 kilometres		Calculation	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Annual kms averted total	2020	6946200 kilometres	Assumes Chiltern Branch Proposal lists return trips	Cowley Branch Pro	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Total kms modal shift from cars	2020	4515030 kilometres		Calculation	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s
Oxford	Total kms modal shift from bus	2020	555696 kilometres		Calculation	http://www.realtimetrains.co.uk/search/advanced/OXF/2016/04/14/0000-2359?stp=WVS&s

Demographical Data

Geographical area	Item	Year	Data	Unit	Assumption	Project	Reference
Other	UK 2015 working days per year	2015	253	Days	#CA #22/01/2016: Assumes same number of working days each year	Aberdeen PAMs	http://www.work-day.co.uk/workingdays_holidays_2015.htm

Residential

Geographical area	Item	Year	Data	Unit	Assumption	Project	Reference
UK	Average UK House size	2015	85	m2	-	Oxfordshire LEP	http://www.theguardian.com/money/2014/mar/14/uk-living-conditions-cramped-research
Oxfordshire	Oxfordshire Domestic Energy Use 2013	2013	4903.873415	GWh	-	Oxfordshire LEP	DECC's historic energy data 2005 - 2013
Oxfordshire	Oxfordshire Dwellings 2013	2013	272950	Number of dwellings	-	Oxfordshire LEP	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/110000/LT_100.xls
Oxfordshire	Oxfordshire Average Domestic Energy Consumption Per m2	2015	211.3670211	kWh/m2/year	-	Oxfordshire LEP	Calculation
Oxfordshire	Oxfordshire Average Domestic Energy Consumption Per m2	2015	0.211367021	MWh/m2/year	-	Oxfordshire LEP	Calculation
Oxfordshire	Scenario BAU Energy standard	N/A	211.3670211		#CA #13/01/2016: Discussion with Katie	Oxfordshire LEP	Oxfordshire Low Carbon Economy Report, page 36
Oxford	Oxford Refurbished House Energy Use	2015	126.8202127	kWh/m2/year	Assumes 40% energy improvement of large-scale refurbishment	Oxford SEAP	http://oxoneek.org.uk/lcon/wp-content/uploads/sites/3/2013/05/Lonsdale-Road-report.pdf
Oxford	Oxford Refurbished House Energy Use	2015	0.126820213	MWh/m2/year	Assumes 40% energy improvement of large-scale refurbishment	Oxford SEAP	http://oxoneek.org.uk/lcon/wp-content/uploads/sites/3/2013/05/Lonsdale-Road-report.pdf
Oxford	Annual Historic Domestic Energy Consumption Oxford in 2013: Coal	2013	3.864220031	GWh	-	Oxfordshire LEP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Consumption Oxford in 2013: Manufa 2013	2013	4.323447	GWh	-	Oxfordshire LEP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Consumption Oxford in 2013: Petrole 2013	2013	4.793569	GWh	-	Oxfordshire LEP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Consumption Oxford in 2013: Gas	2013	703.843531	GWh	-	Oxfordshire LEP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Consumption Oxford in 2013: Electric 2013	2013	221.335533	GWh	-	Oxfordshire LEP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Fraction Oxford in 2013: Coal		0.004118934	Percent	Calculates the fraction per fuel used by Oxford domestic in 2013	Oxford SEAP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Fraction Oxford in 2013: Manufactured fuels		0.004608431	Percent	Calculates the fraction per fuel used by Oxford domestic in 2013	Oxford SEAP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Fraction Oxford in 2013: Petroleum products		0.005109542	Percent	Calculates the fraction per fuel used by Oxford domestic in 2013	Oxford SEAP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Fraction Oxford in 2013: Gas		0.750238025	Percent	Calculates the fraction per fuel used by Oxford domestic in 2013	Oxford SEAP	DECC's historic energy data 2005 - 2013
Oxford	Annual Historic Domestic Energy Fraction Oxford in 2013: Electricity		0.235925068	Percent	Calculates the fraction per fuel used by Oxford domestic in 2013	Oxford SEAP	DECC's historic energy data 2005 - 2013
Oxford	Average Oxford Household energy consumption	All	16.9	MWh/household/year		Oxford SEAP	DECC Sub-national total final energy consumption statistics: 2005 - 2013 (https://www.gov.uk/government/statistical-data-sets/total-final-energy-consumption-at-regi)
UK	Percentage of participants involved in energy saving behaviour after pa 2016		0.76	Percent		Oxford SEAP	https://www.cse.org.uk/downloads/reports-and-publications/education/energy-matters-imp
UK	Energy Education Impact	2016	0.05	Percent	Assumes 5% energy reduction from participating in Energy education	Oxford SEAP	https://www.cse.org.uk/downloads/reports-and-publications/education/energy-matters-imp
England, Scotland, Wa	Flat cavity wall insulation carbon saving	2016	0.37076384	tCO2e/year	Uses Energy Saving Trust Emission Factor	Oxford SEAP	http://www.energysavingtrust.org.uk/domestic/cavity-wall
England, Scotland, Wa	Mid terrace cavity wall insulation carbon saving	2016	0.44090835	tCO2e/year	Uses Energy Saving Trust Emission Factor	Oxford SEAP	http://www.energysavingtrust.org.uk/domestic/cavity-wall
England, Scotland, Wa	Flat solid wall insulation carbon saving	2016	0.611259304	tCO2e/year	Uses Energy Saving Trust Emission Factor	Oxford SEAP	http://www.energysavingtrust.org.uk/domestic/cavity-wall

England, Scotland, Wa	Mid terrace solid wall insulation carbon saving	2016	0.74152768 tCO2e/year	Uses Energy Saving Trust Emission Factor	Oxford SEAP	http://www.energysavingtrust.org.uk/domestic/cavity-wall
Oxford	Stockleys Road Cavity Wall Refill	2016	0.6 Percent	Percentage improvement of Stockleys Road Cavity Wall Refill	Oxford SEAP	http://www.energystoreltd.com/wp-content/uploads/2015/10/NIHE-Cavity-Wall-Insulation-Pi
UK	Space heating's share of all household energy use	2016	0.62 Percent	Page 35	Oxford SEAP	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/345141/uk_f
UK	Average annual consumption by EPC: D	2012	20 MWh/year	Page 7	Oxford SEAP	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/323946/Ann
UK	Average annual consumption by EPC: E	2012	23.7 MWh/year	Page 7	Oxford SEAP	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/323946/Ann
UK	Average annual consumption by EPC: F	2012	26.8 MWh/year	Page 7	Oxford SEAP	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/323946/Ann

Industry & Commercial							
Geographical area	Item	Year	Data	Unit	Assumption	Project	Reference
Oxford	LCO Pathfinders: Industrial and commercial emissions	2013	0.4	Percentage	Assumes 40% of emissions in ind. & com sector will decrease by 3%/year	Oxford SEAP	http://lowcarbonoxford.org/pathfinders/
Oxford	LCO Pathfinders: Domestic footprint	2013	0.6	Percentage	Assumes 60% of emissions in domestic sector will decrease by 3%/year	Oxford SEAP	http://lowcarbonoxford.org/pathfinders/
Oxford	Number of replaced NHS light fittings	-	7000	# tubes	Number of light fittings replaced	Oxford SEAP	http://www.ouh.nhs.uk/about/developments/energy/documents/vital-energi-presentation-sli
UK	Effect per flourescent light fitting	2016	72	W	Assumes all contain two T8 flourescent tubes	Oxford SEAP	http://www.lampshonline.com/f36w-t8-triphosphor-flourescent-tube-4ft-36w/?gclid=COvE
UK	Wattage per flourescent light fitting	2016	0.000072	MW	Assumes all contain two T8 flourescent tubes	Oxford SEAP	Calculation
UK	Wattage per low energy light fitting	2016	44	W	Replaces two T8 flourescent tubes with LED equivalent	Oxford SEAP	http://www.bltdirect.com/4ft-led-t8-tubes-1200mm
UK	Wattage per low energy light fitting	2016	0.000044	MW	Replaces two T8 flourescent tubes with LED equivalent	Oxford SEAP	Calculation
Oxford	Number of hours lights at Churchill and JR hospitals will be on per year 2016		4383	hours per year	Assumes 365.25 days per year, 12 hours per day	Oxford SEAP	Calculation

Total sub-national final energy consumption, 2013 ⁽¹⁾

																								Gigawatt Hours (GWh)			
		Coal ⁽³⁾			Manufactured fuels ⁽⁴⁾			Petroleum products ⁽⁵⁾				Gas			Electricity			Bioenergy & wastes	All fuels	Consuming Sector ⁽⁶⁾			Average domestic consumption per household ⁽⁶⁾ (Tonnes of oil)				
LAU1 Code	Government Office Regions and LAU1 Areas	Industrial & Commercial	Domestic	Rail	Total	Industrial	Domestic	Total	Industrial & Commercial	Domestic	Road transport	Rail	Total	Industrial & Commercial	Domestic	Total	Industrial & Commercial	Domestic	Total	Total	Total	Industrial & Commercial	Domestic	Transport			
UKL1605	Blaenau Gwent	18.9	10.1	-	29.0	0.0	0.7	0.7	38.7	4.9	270.2	1.3	315.1	158.5	446.7	605.2	174.1	105.7	279.8	25.6	1,255.5	390.3	568.1	271.5	18.6		
UKL1705	Bridgend	95.1	12.5	-	107.6	110.0	0.9	110.9	92.9	20.0	997.8	25.0	1,135.7	519.7	787.6	1,307.3	421.5	216.4	637.9	40.7	3,340.0	1,239.0	1,037.4	1,022.8	17.5		
UKL1604	Caerphilly	55.0	38.2	-	93.1	4.7	15.9	20.6	120.6	18.1	829.4	15.4	983.5	325.5	1,034.7	1,360.2	410.2	270.5	680.7	72.8	3,210.9	915.9	1,377.4	844.8	18.4		
UKL2207	Cardiff	36.5	2.9	-	39.4	164.3	0.2	164.5	87.9	12.6	2,212.4	35.2	2,348.1	1,212.6	1,731.9	2,944.5	1,087.7	534.1	1,621.8	7.9	7,126.2	2,589.1	2,281.7	2,247.6	15.6		
UKL1409	Carmarthenshire	71.3	80.5	0.1	151.9	110.9	5.6	116.6	148.4	517.9	1,462.1	18.1	2,146.6	331.8	656.8	988.6	582.1	317.1	899.1	210.5	4,513.2	1,244.5	1,577.9	1,480.3	19.8		
UKL1407	Ceredigion	21.9	47.2	3.0	72.0	0.3	3.3	3.6	214.0	341.8	539.9	8.6	1,104.3	70.4	105.2	175.6	195.7	160.3	356.0	112.9	1,824.4	502.3	657.8	551.5	20.7		
UKL1304	Conwy	23.5	21.2	-	44.7	0.4	1.5	1.8	70.2	105.5	890.0	12.2	1,077.9	154.6	569.6	724.2	199.7	210.4	410.0	52.0	2,310.7	448.3	908.1	902.2	17.6		
UKL1305	Denbighshire	48.6	24.0	1.9	74.6	0.4	1.7	2.1	105.9	138.8	649.2	8.9	902.8	172.3	413.6	586.0	210.2	175.2	385.3	60.4	2,011.2	537.5	753.3	660.0	18.4		
UKL2304	Flintshire	285.4	41.1	-	326.4	139.7	28.8	168.5	261.8	182.3	1,267.0	13.1	1,724.2	922.7	672.2	1,594.9	781.9	260.3	1,042.2	1,044.7	5,900.9	2,391.5	1,184.7	1,280.1	18.4		
UKL1200	Gwynedd	69.8	61.6	12.4	143.8	0.5	4.3	4.8	181.1	348.4	942.2	15.7	1,487.3	187.5	346.8	534.3	290.3	262.9	553.2	151.7	2,875.1	729.2	1,024.1	970.2	19.4		
UKL1100	Isle of Anglesey	20.7	22.5	-	43.2	0.2	1.6	1.7	66.3	234.3	436.2	7.5	744.3	196.8	186.2	383.0	156.4	155.4	311.8	55.0	1,539.1	440.4	600.0	443.7	19.5		
UKL1504	Merthyr Tydfil	2.4	8.3	0.1	10.9	0.0	0.6	0.6	25.0	9.8	309.0	10.3	354.1	128.3	371.3	499.6	125.8	88.7	214.5	19.7	1,099.4	281.6	478.6	319.5	19.6		
UKL2103	Monmouthshire	14.3	20.6	-	35.0	0.4	1.4	1.8	51.7	143.8	1,180.8	22.3	1,398.6	290.2	399.4	689.6	240.2	166.5	406.8	99.4	2,631.2	596.8	731.8	1,203.2	18.9		
UKL1706,UK	Neath Port Talbot	201.8	54.6	-	256.4	10,788.4	37.6	10,826.1	138.3	50.4	970.7	28.5	1,188.0	379.7	775.4	1,155.2	1,283.7	218.1	1,501.8	53.6	14,980.9	12,792.0	1,136.2	999.2	18.7		
UKL2104	Newport	23.3	18.2	-	41.5	135.0	18.9	153.9	105.6	28.0	1,521.2	26.7	1,681.3	778.8	751.5	1,530.3	658.3	227.3	885.6	4.7	4,297.4	1,701.0	1,043.9	1,547.8	16.9		
UKL1408	Pembrokeshire	64.9	33.0	-	97.9	3,908.7	2.3	3,911.0	8,715.6	377.7	773.0	10.7	9,877.0	105.9	398.2	504.1	828.1	238.4	1,066.6	84.7	15,541.3	13,623.2	1,049.7	783.8	19.5		
UKL2400	Powys	54.1	73.0	2.5	129.6	0.7	5.1	5.8	280.9	501.4	1,161.4	7.9	1,951.6	165.9	343.9	509.8	334.3	264.9	599.2	198.0	3,394.1	835.9	1,188.4	1,171.8	20.2		
UKL1503	Rhondda, Cynon, Taff	83.0	37.9	-	120.9	4.5	2.7	7.1	148.1	19.0	1,529.6	33.5	1,730.2	493.7	1,402.1	1,895.7	435.7	358.2	794.0	106.4	4,654.3	1,165.0	1,819.9	1,563.1	18.0		
UKL1800	Swansea	11.7	58.9	-	70.7	0.7	54.6	55.3	160.1	77.7	1,241.0	12.3	1,491.1	623.8	1,303.0	1,926.8	584.5	376.1	960.7	27.5	4,532.1	1,380.9	1,870.4	1,253.3	17.8		
UKL1606	Torfaen	10.6	7.4	0.0	18.0	0.3	0.9	1.1	68.0	8.0	445.0	6.0	527.1	383.7	492.3	876.0	272.8	137.4	410.2	17.7	1,850.1	735.3	646.0	451.0	16.6		
UKL2206	Vale of Glamorgan, The	371.0	7.5	0.0	378.4	0.2	0.5	0.7	96.3	59.5	733.0	30.1	918.9	265.2	662.5	927.8	318.9	210.5	529.4	89.7	2,844.9	1,051.6	940.6	763.1	17.3		
UKL2305	Wrexham	67.7	26.6	-	94.3	0.2	14.3	14.6	102.9	103.0	745.8	8.5	960.3	1,108.6	625.8	1,734.5	774.2	225.0	999.3	499.4	4,302.3	2,053.7	994.7	754.4	17.1		
UKL	TOTAL WALES	1,651.4	707.8	20.1	2,379.3	15,370.6	203.3	15,573.9	11,280.4	3,302.8	21,107.1	357.8	36,048.0	8,976.2	14,477.0	23,453.1	10,366.2	5,179.5	15,545.7	3,035.0	96,035.1	47,644.7	23,870.5	21,484.9	18.1		
UKM1001	Aberdeen City	17.2	1.8	-	19.0	0.7	0.1	0.8	258.9	20.8	1,036.3	6.7	1,322.6	988.9	1,349.0	2,337.9	815.7	444.9	1,260.6	4.4	4,945.3	2,081.4	1,816.5	1,043.0	17.3		
UKM1002	Aberdeenshire	64.9	45.2	-	110.1	8.6	3.2	11.7	319.1	600.0	2,163.9	20.6	3,103.6	366.7	1,029.1	1,395.7	665.1	596.2	1,261.3	111.5	5,994.0	1,424.3	2,273.7	2,184.5	21.0		
UKM2101	Angus	53.6	11.3	0.0	64.9	0.5	1.4	1.9	146.5	128.3	880.2	12.2	1,167.2	375.4	559.0	934.4	280.3	263.7	544.0	35.4	2,747.8	856.4	963.7	892.4	18.3		
UKM3101, UI	Argyll & Bute	39.4	34.5	-	74.0	0.9	2.8	3.7	218.9	142.2	690.6	5.7	1,057.4	145.5	325.4	471.0	237.8	280.1	517.9	83.4	2,207.3	642.5	785.1	696.3	19.2		
UKM2201	Clackmannanshire	0.6	5.0	-	5.6	0.0	4.4	4.4	16.9	9.6	225.6	47.1	299.1	810.8	308.9	1,119.7	130.3	90.4	220.8	2.6	1,652.2	958.7	418.3	272.6	18.0		
UKM3200	Dumfries & Galloway	66.5	40.8	-	107.3	0.3	9.7	10.0	157.1	275.3	2,042.5	48.9	2,523.9	568.1	610.9	1,179.1	537.9	344.5	882.4	86.8	4,789.5	1,330.0	1,281.2	2,091.5	18.6		
UKM2102	Dundee City	0.1	2.0	-	2.0	0.7	2.2	2.9	152.3	5.6	694.9	4.3	857.1	626.9	755.6	1,382.5	413.9	313.8	727.8	0.0	2,972.4	1,193.8	1,079.3	699.3	15.5		
UKM3301	East Ayrshire	9.9	5.7	-	15.7	0.2	0.4	0.6	87.3	37.7	853.0	25.1	1,003.1	346.2	758.0	1,104.2	242.4	201.4	443.8	126.4	2,693.7	685.9	1,003.3	878.2	18.4		
UKM3103	East Dunbartonshire	1.9	2.1	-	3.9	0.2	2.1	2.3	33.2	8.6	427.4	50.9	520.2	146.2	765.6	911.8	158.4	187.9	346.3	0.8	1,785.3	339.9	966.2	478.3	21.7		
UKM2301	East Lothian	452.6	14.4	-	466.9	1.4	5.2	6.6	75.5	54.4	680.3	2.2	812.3	227.8	534.2	762.1	274.4	191.8	466.2	275.8	2,789.9	1,031.8	799.9	682.4	18.2		
UKM3501	East Renfrewshire	0.6	0.9	-	1.5	0.0	0.9	0.9	6.5	9.4	577.0	15.2	608.1	102.3	651.4	753.7	69.8	164.1	233.9	0.3	1,598.5	179.3	826.7	592.2	21.7		
UKM2500	Edinburgh, City of	4.8	6.6	-	11.4	0.2	6.7	6.9	158.1	19.5	2,479.9	34.2	2,691.7	1,930.6	2,758.1	4,688.7	1,591.1	892.1	2,483.2	2.0	9,884.0	3,684.8	3,683.0	2,514.1	15.9		
UKM4400, UI	Eilean Siar (Western Isles)	25.6	26.5	-	52.1	0.3	1.9	2.1	104.1	136.4	161.1	5.1	406.6	-	-	-	64.0	91.1	155.1	64.9	680.8	194.0	255.8	166.2	19.8		
UKM2600	Falkirk	3.7	19.1	0.4	23.1	615.2	15.5	630.8	14,296.3	23.2	1,291.7	45.0	15,656.2	760.1	911.8	1,671.9	419.1	291.5	710.6	13.4	18,706.0	16,094.5	1,261.0	1,337.1	18.1		
UKM2202	Fife	207.4	38.9	-	246.2	1.8	35.9	37.7	4,091.9	101.1	2,126.0	38.1	6,357.2	1,724.6	2,300.7	4,025.3	992.6	652.1	1,644.8	38.7	12,349.9	7,018.3	3,128.8	2,164.1	19.1		
UKM3400	Glasgow City	0.4	4.9	-	5.2	0.9	5.5	6.3	212.0	13.8	2,924.5	20.9	3,171.3	2,377.8	2,906.7	5,284.4	1,961.4	1,051.3	3,012.8	0.0	11,480.1	4,552.5	3,982.2	2,945.4	13.8		
UKM4101, UI	Highland	127.5	130.9	2.7	261.1	1.2	9.2	10.4	396.1	626.0	2,112.2	35.9	3,170.3	552.4	573.8	1,126.2	951.7	669.3	1,621.0	505.6	6,694.5	2,028.9	2,009.2	2,150.9	19.0		
UKM3503	Inverclyde	0.1	1.0	-	1.1	0.0	1.0	1.0	13.6	5.0	386.8	0.6	406.0	203.5	480.3	683.8	192.9	153.6	346.4	0.3	1,438.7	410.1	640.9	387.4	17.1		
UKM2302	Midlothian	9.7	9.8	-	19.5	0.1	1.5	1.6	41.3	31.6	510.9	1.0	584.8	162.2	483.1	645.3	208.4	139.8	348.2	22.2	1,621.6	421.7	665.8	511.9	18.2		
UKM1003, UI	Moray	38.9	19.0	0.8	58.7	0.4	1.3	1.7	175.5	138.5	571.8	6.5	892.2	1,456.3	432.3	1,888.7	322.8	191.2	514.1	82.5	3,437.8	1,993.9	782.3	579.1	18.9		
UKM3302	North Ayrshire	11.7	5.6	-	17.3	0.8	4.3	5.2	96.9	39.8	578.9	6.6	722.2	1,294.8	779.2	2,074.1	476.2	260.7	736.8	1,268.1	4,823.8	1,880.5	1,089.6	585.5	17.4		
UKM3600	North Lanarkshire	11.9	17.4	-	29.3	57.9	16.7	74.6	195.8	32.9	2,625.5	31.3	2,885.6	1,083.7	1,980.5	3,064.2	832.7	574.4	1,407.1	6.6	7,467.3	2,181.9	2,622.0	2,656.9	17.6		
UKM4500, UI	Orkney Islands	13.3	15.6	-	28.9	0.2	1.1	1.2	67.7	77.2	107.1	0.6	252.7	-													

UKC1300	Darlington	4.0	4.5	-	8.4	0.0	4.1	4.1	56.2	14.0	660.8	21.4	752.4	595.9	644.0	1,239.9	246.0	173.4	419.3	2.1	2,426.3	902.0	840.0	682.2	17.9
UKC2201	Gateshead	2.1	11.4	0.1	13.6	26.4	10.7	37.1	83.4	7.5	1,451.0	13.2	1,555.1	755.7	1,212.9	1,968.6	534.9	306.6	841.5	4.9	4,420.7	1,402.5	1,549.1	1,464.2	17.3
UKC1101	Hartlepool	8.2	3.0	-	11.2	221.1	3.1	224.3	47.9	4.4	517.1	2.8	572.3	313.0	538.4	851.4	315.4	142.3	457.6	0.7	2,117.5	905.5	691.3	520.0	16.9
UKC1201	Middlesbrough	0.1	2.2	-	2.3	1.3	2.5	3.8	24.3	3.7	950.4	6.5	985.0	359.1	775.4	1,134.5	289.8	204.8	494.6	45.8	2,666.0	674.6	988.6	957.0	17.2
UKC2202	Newcastle upon Tyne	0.0	9.7	-	9.7	0.0	10.8	10.8	93.7	6.3	1,381.7	12.2	1,493.9	1,221.1	1,556.6	2,777.7	901.2	436.8	1,338.0	0.2	5,630.3	2,216.1	2,020.2	1,393.9	17.1
UKC2203	North Tyneside	0.6	3.8	0.0	4.4	6.1	4.0	10.1	48.3	4.8	997.8	14.5	1,065.4	573.9	1,272.1	1,846.1	488.1	316.2	804.3	0.4	3,730.8	1,117.0	1,601.0	1,012.4	17.3
UKC2101	Northumberland	71.5	102.8	-	174.3	0.9	55.2	56.2	224.0	266.8	1,997.9	112.0	2,600.7	1,143.8	1,703.4	2,847.2	908.9	573.9	1,482.9	412.1	7,573.4	2,349.2	2,702.2	2,109.9	19.3
UKC1202	Redcar and Cleveland	1,830.5	7.7	-	1,838.2	9,217.7	3.4	9,221.2	6,991.8	16.7	681.3	11.0	7,700.8	463.3	788.2	1,251.5	814.4	213.0	1,027.4	11.8	21,050.9	19,317.8	1,029.0	692.3	17.2
UKC2204	South Tyneside	1.2	11.4	-	12.6	0.1	12.9	13.0	62.1	4.2	631.1	7.3	704.7	252.0	891.3	1,143.3	242.9	222.2	465.1	0.0	2,338.7	558.3	1,142.0	638.3	16.8
UKC1102	Stockton-on-Tees	121.4	5.1	-	126.4	4.2	5.1	9.3	347.7	15.2	1,170.7	24.9	1,558.5	727.0	1,106.7	1,833.7	1,019.1	292.4	1,311.5	10.4	4,849.9	2,219.3	1,424.6	1,195.6	17.7
UKC2300	Sunderland	1.2	30.7	-	31.9	0.3	34.5	34.8	131.6	8.5	1,409.4	3.0	1,552.5	848.1	1,706.3	2,554.4	838.8	416.7	1,255.5	3.8	5,432.9	1,820.0	2,196.7	1,412.4	18.2
UKC	TOTAL NORTH EAST	2,232.4	308.9	0.9	2,542.2	9,538.3	218.9	9,757.2	8,415.3	472.2	15,072.7	339.4	24,299.7	8,600.4	15,301.3	23,901.6	7,767.1	4,102.1	11,869.2	1,410.3	73,780.2	36,553.5	20,403.3	15,413.1	17.9
UKD1101	Allerdale	16.6	37.8	-	54.4	0.8	11.3	12.1	95.7	117.8	667.5	6.2	887.1	958.0	517.9	1,475.8	454.3	182.6	636.9	1,590.7	4,657.1	1,525.4	867.3	673.7	20.4
UKD1102	Barrow-in-Furness	16.4	2.8	-	19.1	0.7	0.2	0.9	209.0	5.8	143.5	3.3	361.6	495.0	378.9	873.9	380.7	112.1	492.8	7.0	1,755.3	1,101.7	499.8	146.7	16.1
UKD4100	Blackburn with Darwen	0.9	9.1	-	10.0	2.7	8.2	10.9	74.3	11.1	550.7	3.7	639.8	468.5	819.7	1,288.2	390.7	220.1	610.8	4.6	2,564.2	937.0	1,068.2	554.4	18.5
UKD4200	Blackpool	3.6	1.9	-	5.5	2.5	0.1	2.6	28.9	3.6	409.3	2.5	444.3	349.9	810.0	1,159.9	304.0	259.5	563.6	4.4	2,180.2	688.9	1,075.1	411.8	16.7
UKD3201	Bolton	32.8	14.6	-	47.4	0.3	15.4	15.7	137.6	11.7	1,604.1	23.3	1,776.7	531.1	1,576.9	2,107.9	561.3	458.8	1,020.1	26.4	4,994.3	1,263.1	2,077.4	1,627.4	17.6
UKD4301	Burnley	0.5	10.7	-	11.2	0.0	11.0	11.0	38.5	6.6	443.4	2.8	491.2	191.1	521.8	721.1	197.5	141.1	338.6	2.5	1,575.6	435.7	691.3	446.2	18.4
UKD3202	Bury	0.2	6.9	0.8	8.0	0.5	7.8	8.3	48.1	9.3	1,458.7	-	1,516.2	435.6	1,135.4	1,571.0	350.8	313.8	664.6	0.1	3,768.2	835.3	1,473.3	1,459.5	18.6
UKD1201	Carlisle	26.2	34.1	-	60.3	0.1	18.5	18.6	86.7	91.8	977.0	40.0	1,195.4	517.4	572.1	1,089.5	408.5	194.4	602.8	45.5	3,012.2	1,038.9	910.9	1,017.0	18.7
UKD2202	Cheshire East	105.3	49.7	-	155.1	6.0	27.1	33.2	291.0	250.9	3,956.5	66.6	4,565.0	1,746.1	2,207.9	3,954.0	1,092.3	703.1	1,795.4	69.6	10,572.2	3,240.8	3,238.8	4,023.1	20.0
UKD2201	Cheshire West and Chester	101.2	27.3	-	128.4	2,856.4	10.7	2,867.1	5,892.7	170.3	3,161.5	39.2	9,263.7	1,496.5	1,792.2	3,288.7	1,718.4	584.2	2,302.5	157.1	18,007.6	12,065.2	2,584.7	3,200.7	18.1
UKD4302	Chorley	12.8	20.5	-	33.3	4.0	18.2	22.2	29.4	20.1	1,274.1	17.5	1,341.2	225.9	629.0	854.9	192.6	185.2	377.8	11.4	2,640.8	464.8	872.9	1,291.6	18.8
UKD1103	Copeland	14.9	15.6	2.1	32.6	0.4	1.1	1.5	26.9	43.6	267.0	7.8	345.3	89.1	397.6	486.7	104.0	130.4	234.3	36.8	1,137.2	235.3	588.2	276.9	19.2
UKD1202	Eden	23.3	41.8	0.2	65.4	0.3	2.9	3.3	122.1	207.9	1,619.9	33.7	1,983.6	279.1	154.6	433.7	234.7	124.3	359.0	100.3	2,945.2	659.6	531.5	1,653.7	22.9
UKD4303	Fylde	65.3	3.5	-	68.8	0.0	0.2	0.3	113.7	15.0	585.2	25.1	739.0	191.5	489.6	681.0	224.1	153.2	377.3	9.5	1,875.8	594.5	661.5	610.3	18.7
UKD2101	Halton	2.7	7.7	-	10.4	3.3	8.5	11.8	72.9	6.4	865.0	72.3	1,016.6	557.4	639.1	1,196.5	504.2	194.9	699.1	11.1	2,945.5	1,140.5	856.5	937.3	15.9
UKD4304	Hyndburn	0.1	10.7	-	10.8	0.2	11.8	12.0	41.5	4.0	557.4	1.6	604.5	161.3	477.9	639.1	170.6	127.0	297.6	0.4	1,564.4	373.7	631.3	559.0	18.4
UKD5101	Knowsley	29.2	8.1	-	37.3	0.0	8.7	8.7	70.8	6.6	1,142.1	23.3	1,242.7	603.1	735.8	1,338.9	531.9	232.0	763.9	6.0	3,397.6	1,235.0	991.2	1,165.3	16.0
UKD4305	Lancaster	16.1	15.2	-	31.3	0.7	10.2	10.9	82.2	51.4	1,203.5	17.4	1,354.6	460.0	720.6	1,180.5	322.1	234.2	556.3	17.1	3,150.7	881.0	1,031.6	1,220.9	17.7
UKD5200	Liverpool	0.8	9.5	-	10.3	1.0	10.7	11.7	105.0	9.4	1,856.0	38.1	2,008.5	1,771.4	2,338.1	4,109.5	1,243.2	739.5	1,982.7	-	8,122.7	3,121.4	3,107.2	1,894.1	14.8
UKD3101	Manchester	2.6	8.0	-	10.6	1.9	9.0	10.9	194.7	12.3	2,141.0	28.0	2,376.0	1,694.2	2,165.8	3,860.0	1,903.8	816.6	2,720.4	-	8,977.7	3,797.1	3,011.7	2,169.0	14.3
UKD3203	Oldham	5.5	8.6	-	14.1	0.9	8.6	9.5	92.8	11.9	817.5	12.0	934.2	398.5	1,245.9	1,644.4	440.9	337.6	778.6	28.8	3,409.5	938.7	1,612.5	829.5	17.7
UKD4306	Pendle	11.2	16.2	-	27.5	0.2	15.5	15.7	74.3	17.4	400.7	5.6	498.0	256.3	540.5	796.8	245.7	142.0	387.7	7.6	1,733.2	587.8	731.6	406.3	19.4
UKD4307	Preston	1.3	9.4	0.1	10.8	0.1	8.7	8.8	60.1	25.0	1,103.4	10.7	1,199.3	390.5	725.5	1,116.0	407.3	222.6	629.9	4.5	2,969.2	859.3	991.2	1,114.2	17.1
UKD4308	Ribble Valley	242.8	11.0	-	253.7	0.1	2.1	2.2	86.4	58.5	377.5	9.2	531.6	264.0	329.7	593.7	313.2	111.4	424.6	411.9	2,217.7	906.5	512.6	386.7	20.9
UKD3204	Rochdale	1.1	11.3	-	12.4	0.0	12.6	12.7	75.6	12.0	1,501.8	8.8	1,598.2	491.1	1,172.7	1,663.9	500.8	334.0	834.7	0.2	4,122.0	1,068.6	1,542.6	1,510.6	17.5
UKD4309	Rossendale	0.7	14.1	0.9	15.7	0.1	15.0	15.1	45.6	7.0	425.6	-	478.2	289.5	455.9	745.4	221.0	121.0	342.1	5.4	1,601.8	556.9	613.0	426.5	20.8
UKD3102	Salford	2.2	12.2	-	14.4	1.0	13.8	14.8	67.9	8.0	1,948.6	24.2	2,048.8	576.5	1,190.0	1,766.5	647.6	421.6	1,069.2	0.0	4,913.7	1,295.2	1,645.7	1,972.8	15.5
UKD5300	Sefton	2.1	15.9	-	18.0	11.7	16.6	28.3	41.5	15.6	965.2	37.8	1,060.0	407.9	1,641.2	2,049.1	490.8	460.9	951.7	3.0	4,110.0	953.9	2,150.1	1,003.0	18.1
UKD1203	South Lakeland	65.8	28.7	0.2	94.6	0.2	2.0	2.2	97.3	149.1	1,400.5	19.3	1,666.2	678.3	572.8	1,251.1	327.0	238.2	565.2	74.7	3,653.9	1,168.5	990.8	1,420.0	21.2
UKD4310	South Ribble	2.0	13.9	-	15.9	1.7	15.1	16.9	434.8	13.1	942.4	3.9	1,394.1	306.8	622.4	929.2	286.5	183.9	470.4	1.1	2,827.6	1,031.9	848.4	946.3	18.2
UKD5102	St. Helens	3.7	20.1	-	23.8	10.9	22.1	32.9	83.3	8.3	1,108.3	61.4	1,261.3	1,042.5	980.0	2,022.5	502.0	275.8	777.8	1.3	4,119.6	1,642.2	1,306.4	1,169.7	17.0
UKD3103	Stockport	5.1	8.4	-	13.5	7.1	8.6	15.7	78.8	14.8	1,446.5	22.8	1,562.9	633.2	1,817.5	2,450.7	636.9	498.5	1,135.4	2.2	5,180.4	1,361.1	2,347.7	1,469.3	19.0
UKD3104	Tameside	2.6	9.5	-	12.1	4.0	10.2	14.2	83.7	7.5	915.3	24.7	1,031.2	538.3	1,248.2	1,786.6	450.8	357.7	808.5	1.4	3,654.0	1,079.4	1,633.2	939.9	16.9
UKD3105	Trafford	1.7	5.4	-	7.1	0.0	6.0	6.0	85.3	9.4	1,196.9	8.8	1,300.4	2,517.2	1,440.0	3,957.3	1,002.4	394.6	1,397.0	112.3	6,780.0	3,606.6	1,855.4	1,205.8	19.3
UKD2102	Warrington	19.0	10.5	-	29.5	0.8	9.9	10.7	95.0	16.3	2,193.8	43.7	2,348.8	1,105.1	1,156.1	2,261.1	600.3	330.6	930.8	4.9	5,585.8	1,820.1	1,523.3	2,237.5	17.5
UKD4311	West Lancashire	12.5	16.8	-	29.3	0.4	10.8	11.2	164.0	49.6	822.6	6.5	1,042.8	421.0	608.1										

UKE1302	North Lincolnshire	162.2	25.9	0.4	188.6	10,820.9	12.7	10,833.6	10,358.2	89.0	1,681.5	71.0	12,199.7	768.5	897.0	1,665.5	982.5	270.8	1,253.2	380.4	26,521.0	23,092.4	1,295.3	1,752.9	18.1
UKE2204	Richmondshire	19.1	10.4	6.0	35.5	0.2	0.7	0.9	72.4	136.7	859.6	2.3	1,070.9	153.5	186.5	340.0	123.9	102.6	226.5	26.5	1,700.4	369.1	436.9	867.9	20.5
UKE3103	Rotherham	7.2	70.9	-	78.0	76.3	78.6	154.9	120.7	20.3	1,895.0	53.0	2,089.0	1,310.5	1,485.7	2,796.2	661.5	391.6	1,053.1	2.9	6,174.1	2,176.2	2,047.0	1,948.0	18.7
UKE2205	Ryedale	94.4	20.8	5.9	121.1	3.2	1.5	4.7	260.3	148.5	591.3	9.4	1,009.5	261.8	187.5	449.3	195.4	109.7	305.1	59.0	1,948.6	815.2	467.9	606.5	20.4
UKE2206	Scarborough	9.9	12.9	4.3	27.1	0.2	0.9	1.1	84.2	81.3	572.5	25.2	763.3	446.3	627.4	1,073.7	298.9	210.2	509.1	31.3	2,405.6	839.5	932.7	602.1	18.8
UKE2207	Selby	79.9	18.1	-	98.0	1.4	1.3	2.7	297.9	122.1	1,067.6	64.1	1,551.7	1,033.2	372.3	1,405.5	387.8	156.0	543.8	46.5	3,648.2	1,800.2	669.8	1,131.7	18.9
UKE3200	Sheffield	47.7	29.7	-	77.4	248.9	32.4	281.3	171.3	17.8	2,204.3	33.4	2,426.7	2,107.3	3,085.1	5,192.4	1,593.8	813.1	2,406.9	2.4	10,387.1	4,169.0	3,978.1	2,237.7	17.1
UKE4303	Wakefield	29.9	61.4	-	91.3	21.2	37.3	58.5	123.4	19.0	2,551.3	64.2	2,757.9	1,436.8	1,852.8	3,289.6	1,113.6	514.9	1,628.5	74.1	7,899.9	2,724.8	2,485.5	2,615.5	17.4
UKE2100	York	5.5	7.0	-	12.5	0.2	6.5	6.7	52.2	28.8	982.0	27.7	1,090.7	673.2	1,099.5	1,772.8	453.2	320.0	773.2	3.7	3,659.7	1,184.4	1,461.9	1,009.8	17.2
UKE	TOTAL YORKSHIRE AND THE	1,332.6	684.2	19.3	2,036.1	11,366.8	537.5	11,904.3	13,504.6	1,556.0	36,599.2	786.2	52,446.1	22,043.2	29,506.0	51,549.2	15,083.1	8,602.8	23,686.0	1,025.2	142,647.0	63,330.5	40,886.6	37,404.7	18.1
UKF1301	Amber Valley	72.9	33.5	2.0	108.4	4.3	31.8	36.1	88.6	17.8	714.7	55.7	876.8	355.6	742.3	1,098.0	387.4	215.6	603.1	21.8	2,744.0	908.8	1,041.1	772.4	19.5
UKF1501	Ashfield	0.0	57.7	-	57.7	0.6	64.7	65.4	108.6	6.6	780.3	8.6	904.2	295.9	707.2	1,003.0	389.0	195.4	584.4	0.7	2,615.3	794.1	1,031.6	788.9	20.0
UKF1502	Bassetlaw	74.1	45.1	-	119.1	1.3	26.9	28.2	248.8	74.3	1,256.5	40.8	1,620.4	246.2	554.6	800.8	369.2	198.7	567.9	61.2	3,197.6	939.6	899.6	1,297.3	18.6
UKF2201	Blaby	28.3	5.1	-	33.3	0.1	4.4	4.5	54.4	7.0	1,297.9	17.2	1,376.5	167.0	561.5	728.5	241.8	156.8	398.6	6	2,547.8	491.6	734.9	1,315.1	18.7
UKF1201	Bolsover	150.6	85.2	-	235.8	262.4	90.1	352.5	62.6	6.6	1,241.8	11.4	1,322.5	214.7	439.0	653.7	215.2	121.9	337.1	317.2	3,218.7	905.5	742.9	1,253.2	22.3
UKF3001	Boston	21.0	7.8	-	28.9	3.0	0.5	3.6	55.5	54.3	442.8	1.9	554.5	69.7	283.6	353.3	214.1	120.2	334.3	20.3	1,294.8	363.4	466.4	444.7	16.9
UKF1601	Broxtowe	0.3	15.3	-	15.5	0.5	17.0	17.5	262.7	4.1	1,014.5	17.6	1,299.0	206.9	677.5	884.4	174.9	179.2	354.1	0	2,571.0	645.3	893.1	1,032.1	18.7
UKF2202	Charnwood	11.0	5.8	1.2	17.9	10.2	3.6	13.8	133.6	12.5	1,014.0	58.9	1,219.0	588.6	951.3	1,539.9	426.5	265.6	692.1	7	3,490.2	1,169.9	1,238.8	1,074.1	18.2
UKF1202	Chesterfield	3.9	42.2	-	46.1	18.9	47.1	66.0	35.9	4.0	507.5	24.1	571.5	301.9	610.6	912.6	255.3	161.6	416.8	1	2,013.9	615.9	865.5	531.6	18.4
UKF2301	Corby	0.7	2.4	-	3.1	1.5	2.4	4.0	66.0	5.4	298.1	6.4	375.9	865.4	342.0	1,207.4	373.2	98.8	472.0	0.6	2,062.9	1,306.8	451.0	304.5	17.2
UKF2302	Daventry	60.9	4.4	0.1	65.4	1.8	0.9	2.7	139.1	79.2	1,996.3	8.0	2,222.6	201.6	342.1	543.7	255.3	165.4	420.6	12.9	3,268.0	658.6	592.1	2,004.3	18.4
UKF1100	Derby	1.2	8.2	-	9.5	0.0	9.3	9.3	433.3	5.7	1,299.7	41.0	1,779.7	648.3	1,319.8	1,968.1	714.4	383.3	1,097.7	-	4,864.3	1,797.3	1,726.4	1,340.7	16.7
UKF1303	Derbyshire Dales	77.6	14.1	0.4	92.0	0.7	1.0	1.7	257.7	61.6	840.7	5.5	1,165.6	298.2	408.9	707.1	274.1	146.1	420.2	41.5	2,428.0	908.1	631.7	846.7	20.3
UKF3002	East Lindsey	66.8	31.4	0.0	98.2	0.2	2.2	2.4	117.6	245.6	1,040.8	3.1	1,407.1	199.4	514.0	713.4	374.7	288.3	663.0	77.7	2,961.8	758.8	1,081.4	1,044.0	17.6
UKF2303	East Northamptonshire	10.9	3.7	-	14.6	0.1	0.3	0.4	66.1	54.3	832.0	3.5	955.8	104.2	432.5	536.7	167.8	162.3	330.2	97.7	1,847.4	349.1	653.1	835.4	18.0
UKF1304	Erewash	57.6	14.1	-	71.7	0.0	15.3	15.3	49.5	5.3	866.4	33.4	954.5	164.6	653.2	817.8	231.5	184.8	416.4	1	2,277.1	503.2	872.7	899.8	17.6
UKF1602	Gedling	3.3	13.1	-	16.5	50.0	13.0	63.0	37.5	7.1	347.8	16.9	409.3	271.6	713.7	985.3	153.1	199.8	352.9	4	1,831.3	515.5	946.7	364.7	18.9
UKF2203	Harborough	24.6	3.8	-	28.4	0.4	0.6	1.0	53.7	55.0	1,200.6	13.8	1,322.9	183.3	483.7	667.0	204.7	165.0	369.7	11.0	2,400.0	466.7	708.1	1,214.3	19.8
UKF1305	High Peak	1,278.3	7.9	-	1,286.2	231.0	4.4	235.4	229.2	15.3	516.9	23.2	784.6	276.1	577.2	853.4	585.4	161.0	746.4	658.8	4,564.8	2,600.1	765.8	540.1	19.4
UKF2204	Hinckley and Bosworth	47.0	10.0	0.4	57.4	69.1	5.6	74.7	92.7	27.5	974.4	8.8	1,103.4	233.5	604.8	838.3	243.5	188.6	432.1	18.3	2,524.2	685.9	836.5	983.6	18.1
UKF2304	Kettering	45.3	2.2	-	47.6	0.2	0.4	0.6	49.1	17.8	1,008.5	20.3	1,095.7	402.4	518.2	920.6	239.0	163.6	402.6	10.1	2,477.1	736.0	702.2	1,028.8	17.2
UKF2100	Leicester	1.8	6.1	0.2	8.1	2.6	6.9	9.5	149.8	5.6	1,134.4	8.2	1,298.1	1,348.4	1,636.6	2,985.0	1,010.9	452.1	1,463.0	-	5,763.7	2,513.5	2,107.3	1,142.9	16.9
UKF3003	Lincoln	0.5	1.5	-	2.0	5.6	1.7	7.3	50.8	2.6	206.3	4.9	264.6	348.7	490.8	839.5	284.9	143.7	428.5	0	1,541.9	690.5	640.2	211.2	15.9
UKF1503	Mansfield	0.3	68.8	-	69.1	0.0	76.3	76.3	42.5	4.3	399.8	3.9	450.4	149.9	646.9	796.8	230.2	163.3	393.5	3.0	1,789.3	422.9	959.7	403.6	21.1
UKF2205	Melton	9.8	4.2	-	14.0	0.4	0.3	0.7	50.1	39.0	404.2	16.2	509.5	226.0	253.7	479.8	180.4	95.6	276.0	10.5	1,290.5	466.7	392.8	420.4	18.0
UKF1504	Newark and Sherwood	224.3	20.5	-	244.8	21.7	5.7	27.3	110.8	67.0	1,379.4	23.6	1,580.7	817.9	621.9	1,439.8	399.6	208.8	608.3	52.1	3,953.2	1,574.3	923.8	1,403.0	18.7
UKF1203	North East Derbyshire	89.4	38.1	-	127.5	1.3	16.0	17.2	69.2	14.7	828.5	31.7	944.2	187.7	620.1	807.8	264.2	162.4	426.6	69.9	2,393.2	611.9	851.2	860.2	19.6
UKF3004	North Kesteven	28.5	18.7	-	47.2	0.2	5.4	5.6	94.9	110.4	800.5	11.8	1,017.6	193.2	493.0	686.2	284.3	202.0	486.3	37.3	2,280.2	601.1	829.5	812.3	17.6
UKF2206	North West Leicestershire	66.9	37.8	-	104.6	35.6	24.9	60.5	232.9	30.5	1,614.1	45.9	1,923.4	562.4	521.2	1,083.5	393.8	170.9	564.7	69.7	3,806.5	1,291.6	785.3	1,660.0	19.8
UKF2305	Northampton	1.2	4.3	0.0	5.6	0.5	4.8	5.3	75.4	5.3	981.5	1.7	1,064.0	589.8	1,115.4	1,705.2	605.9	356.8	962.8	0.1	3,743.0	1,272.9	1,486.7	983.2	16.4
UKF1400	Nottingham	0.0	22.3	-	22.3	0.0	25.1	25.1	91.0	6.0	1,237.6	15.5	1,350.2	1,134.8	1,455.9	2,590.7	793.8	462.7	1,256.6	21.9	5,266.9	2,019.7	1,972.1	1,253.1	15.5
UKF2207	Oadby and Wigston	0.0	0.8	-	0.8	0.0	0.9	0.9	30.4	1.7	152.8	6.2	191.1	104.2	340.6	444.8	109.2	84.3	193.6	-	831.1	243.8	428.3	159.0	20.1
UKF1603	Rushcliffe	30.2	5.5	0.8	36.5	0.1	1.8	1.9	53.4	34.5	841.4	11.8	941.1	520.3	707.5	1,227.8	224.9	196.6	421.5	13.2	2,641.9	828.9	945.8	854.0	20.3
UKF2208	Rutland	527.7	2.7	-	530.4	0.1	0.2	0.3	66.2	30.8	548.6	22.4	668.0	92.1	201.9	294.0	277.9	74.5	352.4	720.7	2,565.7	963.9	310.1	571.0	20.6
UKF1302	South Derbyshire	20.7	35.7	-	56.4	0.1	35.4	35.5	94.2	28.9	989.9	63.6	1,176.6	378.4	495.5	873.9	353.3	163.4	516.7	35.4	2,694.6	846.7	758.9	1,053.5	18.8
UKF3005	South Holland	17.9	16.2	-	34.1	0.1	1.1	1.2	84.1	108.9	697.6	23.7	914.3	245.5	375.6	621.0	336.6	172.4	509.0	38.8	2,118.5	684.1	674.2	721.3	17.8
UKF3006	South Kesteven	131.4	13.0	-	144.4	0.6	0.9	1.5	246.2	124.9	1,162.2	33.6	1,566.9	392.3	626.1	1,018.5	393.6	259.6	653.2	51.1	3,435.5	1,164.1	1,024.5	1,195.8	17.5
UKF2306	South Northamptonshire	35.5	4.7	-	40.2	0.3	0.4	0.8	126.0	75.9	1,997.5	63.5	2,262.9	90.4	412.9	503.3	234.3	181.4	415.7	14.3	3,237.2	486.5	675.4	2,061.0	19.0

UKG1303	Rugby	636.6	5.4	-	642.0	3.1	3.6	6.7	161.0	21.5	1,635.0	6.4	1,823.9	352.3	544.6	896.9	496.8	181.9	678.7	832.4	4,880.6	1,649.8	757.0	1,641.4	17.7
UKG3402	Sandwell	16.3	9.8	-	26.1	67.2	11.0	78.3	203.7	6.6	1,715.4	20.6	1,946.4	1,111.5	1,566.3	2,677.7	883.6	471.2	1,354.8	-	6,083.2	2,282.3	2,064.9	1,736.1	16.7
UKG2201	Shropshire	156.7	69.8	2.0	228.5	25.1	18.7	43.8	376.7	493.7	2,375.4	85.0	3,330.9	688.4	1,119.9	1,808.3	870.9	584.5	1,455.5	174.7	7,041.7	2,117.9	2,286.6	2,462.4	17.3
UKG3200	Solihull	2.5	5.1	-	7.6	0.1	4.8	4.9	131.9	19.3	1,918.1	45.1	2,114.4	748.1	1,252.7	2,000.9	622.9	381.3	1,004.1	5.4	5,137.2	1,505.5	1,663.2	1,963.2	19.1
UKG2405	South Staffordshire	32.1	12.1	-	44.2	2.3	8.8	11.1	120.6	36.9	1,811.7	10.6	1,979.8	309.6	599.0	908.6	225.4	190.8	416.1	13.6	3,373.5	690.0	847.6	1,822.3	18.9
UKG2406	Stafford	24.2	13.7	-	37.9	2.8	3.9	6.7	93.0	94.5	2,035.4	7.9	2,230.8	334.1	671.2	1,005.3	386.2	231.1	617.3	28.4	3,926.4	840.3	1,014.5	2,043.2	17.9
UKG2407	Staffordshire Moorlands	279.2	31.3	0.7	311.2	153.3	15.4	168.8	118.3	82.8	598.1	2.4	801.6	464.5	528.7	993.2	332.7	173.8	506.4	467.8	3,248.9	1,348.0	832.0	601.2	19.8
UKG2300	Stoke on Trent	3.4	42.4	-	45.8	1.4	47.8	49.2	179.3	6.3	1,108.9	14.7	1,309.2	1,011.0	1,353.8	2,364.8	596.5	385.1	981.6	0.0	4,750.6	1,791.6	1,835.4	1,123.6	17.0
UKG1304	Stratford upon Avon	142.5	12.5	-	155.0	0.8	0.9	1.7	290.7	188.2	1,917.1	65.6	2,461.5	196.7	515.4	712.1	368.9	271.2	640.1	45.4	4,015.7	999.5	988.2	1,982.6	18.7
UKG2408	Tamworth	0.5	8.5	-	9.0	5.4	9.6	15.0	21.5	2.2	242.3	16.4	282.4	150.3	377.6	527.9	199.1	129.8	329.0	-	1,163.3	376.8	527.7	258.7	16.4
UKG2100	Telford and Wrekin	3.5	19.7	0.0	23.2	1.4	19.0	20.4	216.6	30.2	1,056.8	15.3	1,318.9	583.8	830.7	1,414.5	598.2	260.8	859.0	30.2	3,666.2	1,403.4	1,160.3	1,072.2	17.2
UKG3501	Walsall	15.0	10.4	-	25.5	34.9	11.7	46.7	102.7	7.3	1,363.2	11.0	1,484.1	695.6	1,433.8	2,129.4	562.2	433.1	995.3	0.1	4,681.1	1,410.4	1,896.3	1,374.2	17.3
UKG1305	Warwick	7.3	5.1	-	12.4	0.1	3.8	3.9	121.5	38.2	1,630.5	67.8	1,858.0	270.1	727.6	997.7	416.4	252.7	669.2	5.0	3,546.2	815.5	1,027.4	1,698.3	17.3
UKG3502	Wolverhampton	5.1	10.7	-	15.7	7.5	12.0	19.5	177.8	6.7	973.1	9.1	1,166.7	669.4	1,335.1	2,004.5	616.9	401.8	1,018.8	2.3	4,227.5	1,476.7	1,766.3	982.2	17.1
UKG1204	Worcester	3.0	2.6	-	5.5	10.9	2.9	13.7	49.6	3.3	336.4	3.2	392.5	229.7	477.7	707.3	270.2	165.0	435.2	-	1,554.3	563.3	651.4	339.6	15.3
UKG1205	Wychavon	39.2	11.9	-	51.1	8.7	2.3	11.0	152.9	133.8	1,835.8	41.1	2,163.6	493.8	508.3	1,002.1	377.5	238.0	615.5	28.4	3,871.7	1,072.1	894.3	1,876.8	17.8
UKG1206	Wyre Forest	21.8	9.9	2.0	33.7	3.9	5.9	9.8	73.7	31.3	467.4	2.7	575.1	154.6	502.1	656.8	206.1	176.2	382.3	13.7	1,671.4	460.1	725.4	472.2	16.8
UKG	TOTAL WEST MIDLANDS	1,796.1	480.8	4.8	2,281.7	426.2	326.4	752.6	4,221.0	1,901.1	41,444.7	833.1	48,399.9	16,287.8	28,394.6	44,682.4	14,997.4	9,494.1	24,491.5	1,933.4	122,541.4	37,728.5	40,596.9	42,282.6	17.4
UKH1401	Babergh	40.2	8.4	-	48.6	0.2	0.6	0.8	107.2	130.5	835.3	2.4	1,075.5	143.2	323.8	467.0	230.6	184.5	415.1	22.2	2,029.1	521.5	647.8	837.7	17.0
UKH3301	Basildon	14.7	2.1	-	16.7	15.6	0.1	15.8	76.6	7.5	951.9	0.0	1,036.1	336.1	891.3	1,227.4	461.6	317.4	779.0	5	3,080.3	904.6	1,218.4	951.9	16.4
UKH2203	Bedford	36.0	10.3	-	46.4	7.2	5.9	13.1	88.1	63.2	1,004.8	101.4	1,257.5	320.6	789.1	1,109.7	435.1	279.6	714.7	462.2	3,603.6	887.1	1,148.2	1,106.2	17.5
UKH3302	Braintree	105.3	7.2	-	112.5	4.5	0.5	5.0	103.5	109.8	1,228.1	3.1	1,444.5	218.0	630.3	848.3	301.6	278.9	580.5	28.3	3,019.1	732.8	1,026.7	1,231.2	16.4
UKH1301	Breckland	54.4	19.7	1.4	75.5	0.3	1.4	1.7	146.8	220.3	1,352.7	11.2	1,731.0	137.6	396.5	534.1	340.7	265.9	606.6	50.0	2,998.9	679.9	903.7	1,365.3	16.2
UKH3303	Brentwood	9.0	1.1	-	10.1	0.1	0.1	0.2	32.7	7.5	951.5	2.0	993.6	119.8	498.1	617.9	152.9	150.7	303.6	2.7	1,928.1	314.4	657.5	953.5	21.1
UKH1302	Broadland	368.0	13.9	2.9	384.8	0.4	5.3	5.7	293.4	108.4	746.6	5.7	1,154.1	117.5	570.6	688.2	248.8	235.4	484.3	28.7	2,745.8	1,028.2	933.7	755.2	17.3
UKH2301	Broxbourne	0.1	2.2	-	2.2	0.3	2.4	2.7	98.9	3.3	411.5	0.3	514.1	138.7	489.1	627.8	261.4	170.0	431.4	0.0	1,578.1	499.3	667.0	411.8	17.3
UKH1201	Cambridge	-	2.7	-	2.7	0.0	3.0	3.0	29.5	3.7	364.0	1.4	398.6	600.5	605.2	1,205.6	558.0	179.9	738.0	8.4	2,356.3	1,188.0	794.5	365.4	16.9
UKH3304	Castle Point	3.7	1.0	-	4.7	0.0	0.1	0.1	12.5	2.7	361.1	0.0	376.4	68.4	527.1	595.5	94.2	163.9	258.1	3	1,237.3	178.8	694.9	361.1	18.8
UKH2202	Central Bedfordshire	116.7	10.8	0.0	127.5	2.1	4.0	6.1	462.3	85.1	2,631.1	43.9	3,222.4	435.2	1,345.5	1,780.8	550.2	472.7	1,023.0	24.8	6,184.6	1,566.5	1,918.3	2,675.1	17.7
UKH3305	Chelmsford	99.8	5.2	-	105.0	8.6	0.4	8.9	101.2	75.0	1,346.6	2.4	1,525.1	267.9	835.3	1,103.2	417.2	323.4	740.6	21.6	3,504.5	894.7	1,239.2	1,349.0	17.5
UKH3306	Colchester	96.4	5.3	-	101.7	1.3	0.4	1.7	100.4	82.9	1,210.9	3.5	1,397.7	271.9	806.3	1,078.1	392.3	315.9	708.2	23.4	3,310.9	862.3	1,210.8	1,214.4	16.5
UKH2302	Dacorum	9.6	5.4	-	14.9	0.0	4.5	4.5	27.5	19.7	968.5	3.5	1,019.3	223.2	843.3	1,066.6	330.7	262.2	592.9	4.0	2,702.2	591.1	1,135.0	972.0	18.5
UKH1202	East Cambridgeshire	106.1	6.6	-	112.7	0.1	0.5	0.6	72.5	106.2	874.6	33.2	1,086.5	71.1	336.7	407.9	213.6	164.5	378.1	23.8	2,009.6	463.5	614.5	907.8	17.2
UKH2303	East Hertfordshire	49.8	5.3	-	55.1	0.2	1.0	1.2	112.2	64.3	989.7	0.8	1,167.0	309.6	729.8	1,039.4	261.0	286.3	547.3	16.2	2,826.4	732.9	1,086.7	990.5	18.6
UKH3307	Epping Forest	20.8	5.9	1.2	27.9	0.3	3.5	3.8	49.2	40.2	2,124.4	0.2	2,214.0	345.1	767.6	1,112.7	209.3	262.0	471.2	9.2	3,838.8	624.6	1,079.2	2,125.8	20.3
UKH1203	Fenland	96.1	7.8	-	103.9	0.1	0.5	0.7	80.2	72.5	621.0	26.7	800.3	632.4	442.8	1,075.2	335.3	184.1	519.4	20.3	2,519.7	1,144.1	707.7	647.7	17.1
UKH1402	Forest Heath	11.0	3.5	-	14.4	0.1	0.2	0.3	37.3	82.7	654.0	8.8	782.8	109.9	211.7	321.6	272.6	130.5	403.1	9.0	1,531.3	430.9	428.6	662.8	16.8
UKH1303	Great Yarmouth	5.4	7.3	-	12.7	0.1	0.5	0.6	41.7	86.2	387.7	1.5	517.1	147.0	364.1	511.0	204.9	184.9	389.8	17.6	1,448.9	399.0	643.1	389.2	15.1
UKH3308	Harlow	17.3	0.6	-	17.9	0.3	0.0	0.4	54.6	2.7	334.5	0.2	392.0	228.9	414.0	642.9	253.5	130.7	384.3	1.6	1,438.9	554.6	548.0	334.7	15.6
UKH2304	Hertsmere	7.7	0.9	-	8.6	0.4	0.6	0.9	80.3	5.4	1,285.9	2.0	1,373.6	281.8	644.6	926.5	287.6	191.2	478.9	1	2,789.7	657.8	842.8	1,287.9	20.8
UKH1204	Huntingdonshire	109.2	8.3	0.1	117.7	0.3	1.0	1.3	173.1	96.8	2,501.1	9.7	2,780.6	309.8	816.5	1,126.3	548.2	308.6	856.8	29.2	4,911.9	1,140.7	1,231.1	2,510.9	17.3
UKH1403	Ipswich	11.5	0.9	-	12.4	0.0	0.1	0.1	33.5	4.2	373.6	10.0	421.2	227.3	615.5	842.8	303.0	220.4	523.4	48.8	1,848.8	575.3	841.2	383.5	14.4
UKH1308	King's Lynn and West Norfolk	83.2	29.1	-	112.2	0.4	6.1	6.5	146.4	310.1	1,381.9	0.2	1,838.6	2,208.5	452.7	2,661.2	783.5	338.5	1,122.0	60.9	5,801.5	3,222.0	1,136.4	1,382.1	17.8
UKH2100	Luton	0.0	4.0	-	4.0	0.2	4.5	4.7	138.6	4.3	656.2	21.2	820.2	372.3	998.9	1,371.2	438.0	290.3	728.2	2.3	2,930.7	949.1	1,301.9	677.4	17.1
UKH3309	Malton	22.3	6.0	-	28.3	0.2	0.4	0.6	74.6	86.5	291.7	0.0	452.8	65.8	226.2	292.1	149.6	135.8	285.4	16.5	1,075.7	312.5	455.0	291.7	17.3
UKH1408	Mid Suffolk	51.0	12.4	-	63.4	0.6	0.9	1.5	186.9	217.9	975.5	14.0	1,394.3	239.6	225.8	465.5	271.3	208.5	479.8	32.1	2,436.6	749.5	665.5	989.4	16.1
UKH2305	North Hertfordshire	16.4	6.4	-	22.9	0.2	5.0	5.2	109.8	43.4	1,004.1	5.5	1,162.7	321.8	677.2	999.0	278.1	236.1	514.2	5.9	2,709.7	726.3	968.1	1,009.6	17.7
UKH1305	North Norfolk	82.0	26.7	1.5	110.1	0.2	1.9	2.1	100.0	232.6	710.8	3.7	1,047.0	207.2	336.4	543.6	272.2	248.2	520.4	72.0	2,295.2	661.6	845.7	715.9	18.1
UKH1306	Norwich	0.2	6.6	-																					

UKH2310	Welwyn Hatfield	80.9	1.1	-	81.9	2.0	0.1	2.1	40.2	9.1	921.8	26.4	997.5	285.3	621.2	906.6	443.0	189.7	632.7	11.6	2,632.3	851.4	821.2	948.2	18.4
UKH	TOTAL EAST OF ENGLAND	2,711.9	321.7	9.2	3,042.9	51.0	86.6	137.6	4,599.4	3,339.4	46,423.0	565.4	54,927.3	15,363.7	28,258.5	43,622.3	15,799.7	10,956.3	26,756.0	1,306.5	129,792.4	38,525.8	42,962.5	46,997.7	17.3
UKI2101	Barking and Dagenham	1.2	2.3	-	3.5	12.7	2.6	15.3	115.2	2.5	546.4	33.8	697.9	209.7	747.1	956.8	422.9	270.0	692.9	22.9	2,389.3	761.6	1,024.5	580.2	14.1
UKI2301	Barnet	0.0	1.9	-	2.0	0.2	2.2	2.4	35.5	8.4	1,389.2	3.1	1,436.3	546.6	2,218.3	2,764.9	525.6	632.6	1,158.2	-	5,363.8	1,107.9	2,863.4	1,392.4	20.2
UKI2102	Bexley	0.3	1.8	-	2.0	0.3	2.0	2.3	134.8	5.8	745.9	1.6	888.2	728.4	1,260.4	1,988.8	398.5	387.0	785.5	28.9	3,695.7	1,262.3	1,657.0	747.5	17.6
UKI2302	Brent	-	1.1	-	1.1	0.0	1.3	1.3	67.1	5.0	726.2	19.7	818.0	562.1	1,564.3	2,126.5	820.2	430.8	1,251.1	-	4,198.0	1,449.5	2,002.6	745.9	17.6
UKI2201	Bromley	0.0	3.8	-	3.8	0.0	3.9	4.0	63.3	13.6	1,006.0	25.0	1,107.9	413.2	2,075.1	2,488.3	439.9	571.6	1,011.5	1	4,616.3	916.5	2,668.1	1,031.0	19.9
UKI1102	Camden	-	1.0	-	1.0	0.1	1.2	1.2	34.6	9.9	498.1	5.6	548.3	1,501.3	983.4	2,484.8	1,400.6	358.1	1,758.8	-	4,794.1	2,936.6	1,353.7	503.7	13.5
UKI1101	City of London	-	-	-	-	0.1	-	0.1	31.7	0.4	185.4	0.1	217.6	748.3	32.0	780.3	2,413.1	26.8	2,440.0	-	3,437.9	3,193.3	59.2	185.5	12.9
UKI2202	Croydon	0.4	3.7	-	4.1	0.2	4.0	4.2	25.4	8.6	996.8	4.6	1,035.4	446.8	2,062.5	2,509.3	677.5	608.7	1,286.2	0.4	4,839.6	1,150.3	2,687.5	1,001.4	17.9
UKI2303	Ealing	1.5	3.2	-	4.7	0.0	3.6	3.6	75.5	6.4	1,091.5	30.6	1,204.0	742.9	1,710.1	2,452.9	957.5	488.9	1,446.3	-	5,111.5	1,777.4	2,212.0	1,122.1	17.4
UKI2103	Enfield	0.1	2.7	-	2.8	0.7	3.0	3.8	76.3	6.1	1,432.2	1.1	1,515.7	545.0	1,582.3	2,127.3	551.3	506.2	1,057.5	24.8	4,731.9	1,173.4	2,100.4	1,433.3	16.9
UKI2104	Greenwich	0.0	1.8	-	1.9	0.2	2.0	2.3	36.4	4.5	931.7	0.2	972.7	424.6	1,151.9	1,576.5	441.6	374.6	816.2	-	3,369.5	902.8	1,534.9	931.8	14.6
UKI1201	Hackney	0.1	1.4	-	1.5	0.0	1.5	1.5	14.0	3.0	528.8	0.8	546.5	341.4	997.6	1,338.9	555.1	348.4	903.5	-	2,791.9	910.5	1,351.9	529.6	12.7
UKI1103	Hammersmith and Fulham	-	0.5	-	0.5	0.0	0.5	0.5	29.3	3.7	557.3	6.5	596.9	580.1	909.2	1,489.2	714.6	286.6	1,001.2	-	3,088.4	1,324.0	1,200.5	563.8	15.0
UKI1202	Haringey	0.4	1.3	-	1.7	5.3	1.4	6.7	21.9	3.1	579.7	4.4	609.1	332.4	1,300.1	1,632.6	396.9	371.6	768.5	-	3,018.5	756.9	1,677.5	584.1	15.7
UKI2304	Harrow	0.1	1.2	-	1.3	0.5	1.3	1.8	19.5	5.2	491.6	3.1	519.4	419.8	1,436.8	1,856.6	251.0	360.3	611.3	0	2,990.5	690.9	1,804.9	494.7	20.7
UKI2105	Havering	0.5	5.7	-	6.2	0.2	6.4	6.6	39.7	7.4	1,434.8	2.2	1,484.1	227.2	1,366.4	1,593.6	411.9	416.8	828.7	0	3,919.3	679.5	1,802.7	1,437.0	18.2
UKI2305	Hillingdon	1.4	3.0	0.0	4.4	0.1	3.2	3.3	381.5	9.0	1,788.3	29.4	2,208.2	958.9	1,457.3	2,416.3	1,309.3	437.4	1,746.8	226.2	6,605.1	2,651.3	1,909.9	1,817.8	18.3
UKI2306	Hounslow	0.2	2.4	-	2.6	0.0	2.7	2.7	57.4	6.9	1,262.8	2.2	1,329.4	621.0	1,182.0	1,803.0	975.6	387.6	1,363.2	-	4,501.0	1,654.3	1,581.6	1,265.1	15.9
UKI1203	Islington	0.1	0.9	-	0.9	0.0	1.0	1.0	30.0	3.2	433.0	2.1	468.2	610.3	930.1	1,540.4	898.6	320.2	1,218.8	-	3,229.4	1,539.0	1,255.3	435.1	12.8
UKI1104	Kensington and Chelsea	0.0	0.9	-	1.0	0.0	1.0	1.0	6.1	9.5	523.8	4.4	543.8	914.8	909.9	1,824.8	1,049.1	380.3	1,429.4	-	3,800.0	1,970.1	1,301.7	528.2	16.8
UKI2203	Kingston upon Thames	0.0	1.7	-	1.7	0.1	1.9	2.0	32.9	3.3	720.8	2.1	759.1	255.8	910.6	1,166.5	323.8	273.5	597.2	-	2,526.6	612.6	1,191.0	722.9	18.0
UKI1204	Lambeth	-	1.4	-	1.4	0.0	1.6	1.6	8.4	6.1	779.0	2.1	795.6	857.0	1,423.2	2,280.2	683.8	448.3	1,132.1	-	4,210.9	1,549.3	1,880.6	781.1	13.9
UKI1205	Lewisham	-	2.0	-	2.0	0.0	2.2	2.2	7.6	4.0	785.2	2.4	799.3	269.6	1,346.2	1,615.9	326.9	419.5	746.4	-	3,165.8	604.2	1,773.9	787.6	14.6
UKI2204	Merton	-	1.1	-	1.1	0.0	1.3	1.3	23.0	4.3	502.4	2.0	531.7	326.9	1,086.4	1,413.2	488.0	321.6	809.6	-	2,756.8	837.8	1,414.7	504.4	17.4
UKI1206	Newham	-	2.0	-	2.0	0.1	2.2	2.3	112.2	1.9	882.7	2.9	999.6	1,041.2	1,102.5	2,143.8	1,077.2	376.8	1,454.0	-	4,601.6	2,230.7	1,485.4	885.5	13.8
UKI2106	Redbridge	0.0	1.9	-	1.9	0.0	2.1	2.1	19.6	4.7	928.6	0.6	953.5	244.5	1,461.1	1,705.7	275.2	411.4	686.6	-	3,349.7	539.3	1,881.2	929.2	18.2
UKI2307	Richmond upon Thames	-	2.1	-	2.1	0.0	2.4	2.4	18.9	6.5	656.9	0.1	682.4	382.7	1,224.9	1,607.6	353.7	347.8	701.6	-	2,996.0	755.3	1,583.7	657.0	19.4
UKI1207	Southwark	0.1	1.3	-	1.4	1.2	1.4	2.6	16.7	7.7	772.8	1.7	798.9	995.9	1,060.9	2,056.7	1,182.1	447.9	1,630.0	-	4,489.6	2,195.9	1,519.2	774.5	12.1
UKI2205	Sutton	0.4	2.7	-	3.1	4.4	3.0	7.5	22.9	5.0	506.1	0.1	534.1	240.4	1,061.6	1,302.0	372.3	337.2	709.5	-	2,556.0	640.4	1,409.5	506.2	17.4
UKI1208	Tower Hamlets	0.2	1.3	-	1.4	0.2	1.4	1.6	25.1	4.6	917.4	0.9	948.0	731.5	725.7	1,457.2	2,416.5	399.4	2,815.9	13	5,237.4	3,173.4	1,132.3	918.3	10.4
UKI2107	Waltham Forest	-	2.1	-	2.1	0.0	2.4	2.4	27.7	2.9	613.9	3.9	648.4	310.4	1,222.7	1,533.1	342.5	359.3	701.8	-	2,887.8	680.6	1,589.4	617.7	15.8
UKI1105	Wandsworth	-	1.1	-	1.1	0.0	1.2	1.2	16.5	5.6	781.9	3.8	807.8	636.4	1,558.2	2,194.6	466.6	501.4	968.0	-	3,972.7	1,119.5	2,067.5	785.7	15.6
UKI1106	Westminster	0.2	1.5	-	1.7	2.8	1.7	4.5	200.0	14.0	978.9	7.2	1,200.2	2,714.5	1,003.9	3,718.3	3,456.7	493.1	3,949.8	-	8,874.5	6,374.2	1,514.0	986.2	13.9
UKI	TOTAL GREATER LONDON	7.4	62.5	0.0	69.9	29.5	69.9	99.4	1,826.8	192.9	26,976.2	210.4	29,206.2	20,881.6	41,064.8	61,946.5	27,376.3	13,101.7	40,478.0	317.3	132,117.2	50,121.5	54,491.8	27,186.6	16.1
UKJ2401	Adur	0.6	2.7	-	3.2	2.0	3.0	5.0	60.7	2.2	310.3	0.2	373.3	68.4	297.2	365.6	90.6	112.3	202.9	-	950.1	222.2	417.3	310.5	15.2
UKJ2402	Arun	8.7	4.9	-	13.6	0.5	3.7	4.1	63.6	22.7	729.7	0.6	816.5	308.3	823.0	1,131.3	229.4	286.7	516.1	4.9	2,486.5	610.4	1,140.9	730.3	16.8
UKJ4201	Ashford	101.0	7.8	1.6	110.3	0.2	0.5	0.7	105.1	136.4	1,089.1	5.1	1,335.7	193.1	502.8	696.0	291.0	224.9	515.9	53.8	2,712.4	690.3	872.5	1,095.7	17.6
UKJ1301	Aylesbury Vale	58.4	7.8	-	66.2	0.3	0.8	1.1	135.1	200.0	1,264.9	34.1	1,634.2	383.4	810.6	1,194.0	315.0	336.2	651.1	23.2	3,569.8	892.1	1,355.4	1,299.1	18.9
UKJ3301	Basingstoke and Deane	40.9	5.4	-	46.3	0.5	0.4	0.9	98.5	122.9	1,900.2	56.9	2,178.5	447.3	785.6	1,232.9	532.4	314.8	847.2	16.8	4,322.7	1,119.6	1,229.2	1,957.1	17.2
UKJ1101	Bracknell Forest	0.2	1.6	-	1.8	0.0	1.6	1.6	13.4	7.5	504.2	1.3	526.4	242.7	598.7	841.4	348.1	204.1	552.2	0.4	1,923.8	604.4	813.5	505.5	17.2
UKJ2100	Brighton and Hove	0.0	6.3	-	6.3	0.0	7.1	7.1	34.1	6.9	1,057.0	1.4	1,099.5	454.3	1,309.8	1,764.1	564.2	455.8	1,020.0	-	3,896.9	1,052.7	1,785.8	1,058.4	14.5
UKJ4202	Canterbury	28.7	4.5	-	33.2	0.1	0.3	0.4	54.6	30.8	833.3	0.4	919.1	344.8	774.6	1,119.3	315.3	255.9	571.2	11.0	2,654.2	743.5	1,066.1	833.7	17.3
UKJ1401	Cherwell	336.5	6.1	-	342.6	0.3	0.5	0.8	197.7	166.0	2,156.8	112.7	2,633.2	667.4	593.5	1,260.9	470.6	271.3	741.9	242.2	5,221.7	1,672.5	1,037.4	2,269.5	17.9
UKJ2403	Chichester	124.4	8.5	0.0	132.9	6.2	1.1	7.3	177.0	177.3	1,073.7	0.6	1,428.7	387.9	512.8	900.7	316.1	266.3	582.4	32.4	3,084.3	1,011.6	965.9	1,074.4	19.0
UKJ1302	Chiltern	21.3	1.7	-	23.0	3.3	0.7	4.0	70.5	41.9	504.0	9.9	626.3	148.2	675.7	824.0	152.3	196.1	348.4	5.3	1,831.0	395.6	916.1	513.9	24.6
UKJ2404	Crawley	0.1	0.7	-	0.8	0.0	0.8	0.8	237.0	3.5	664.8	0.5	905.9	292.8	501.9	794.7	472.0	167.1	639.1	-	2,341.3	1,001.9	674.1	665.3	15.3
UKJ4203	Dartford	1.1	2.2	-	3.3	1.0	2.1	3.1	76.9	6.4	1,070.0	0.2	1,153.5	150.1	497.4	647.5	284.7	165.3	450.1	0.9	2,258.4	513.8	673.5	1,070.2	16.3
UKJ4204	Dover	48.4	6.2	0.0	54.6																				

UKJ2205	Lewes	22.5	3.1	0.0	25.7	10.6	0.5	11.1	35.3	60.9	620.7	19.5	736.5	111.8	472.7	584.5	161.6	184.6	346.2	8.9	1,712.8	341.9	721.8	640.2	16.7
UKJ4206	Maidstone	59.4	5.5	-	65.0	2.3	0.9	3.2	98.9	69.8	1,443.5	0.5	1,612.7	229.2	774.9	1,004.1	470.5	285.1	755.5	17.1	3,457.6	860.4	1,136.1	1,444.0	17.4
UKJ4100	Medway	32.1	7.1	-	39.2	16.2	6.5	22.7	103.6	16.6	1,097.6	0.7	1,218.5	353.0	1,282.8	1,635.8	442.8	436.0	878.7	6.9	3,801.9	947.8	1,748.9	1,098.2	16.0
UKJ2406	Mid Sussex	18.5	3.6	2.9	25.0	87.1	0.3	87.5	104.4	70.3	1,059.5	2.5	1,236.7	251.3	741.5	992.8	264.9	264.3	529.2	9.8	2,881.0	726.4	1,080.0	1,064.9	18.4
UKJ1200	Milton Keynes	5.9	5.0	-	10.9	1.7	4.6	6.3	83.2	34.8	2,063.3	3.9	2,185.3	669.0	1,238.3	1,907.2	1,050.1	408.9	1,459.1	2.8	5,571.6	1,809.9	1,691.6	2,067.3	16.6
UKJ2304	Mole Valley	7.5	2.9	-	10.5	12.5	1.6	14.1	29.6	29.1	987.7	15.3	1,061.6	209.7	583.0	792.7	257.9	179.1	437.0	4.5	2,320.4	517.3	795.7	1,002.9	21.8
UKJ3308	New Forest	17.3	9.5	0.2	26.9	2,582.4	0.7	2,583.1	10,776.2	89.3	1,535.1	11.0	12,411.6	265.5	922.1	1,187.5	424.7	337.1	761.7	23.3	16,994.1	14,066.0	1,358.5	1,546.3	17.4
UKJ1402	Oxford	0.0	3.9	-	3.9	0.0	4.3	4.3	51.2	4.8	458.4	20.5	534.9	761.2	703.8	1,465.0	662.7	221.3	884.0	1.5	2,893.7	1,475.1	938.2	478.9	16.9
UKJ3100	Portsmouth	0.3	3.1	-	3.4	0.2	3.5	3.7	130.8	2.7	929.5	7.1	1,070.2	418.7	845.0	1,263.7	677.6	318.6	996.2	-	3,337.1	1,227.6	1,172.9	936.6	13.5
UKJ1103	Reading	0.0	1.7	-	1.7	0.0	1.9	1.9	29.6	4.7	414.6	40.1	489.1	399.0	762.5	1,161.4	505.4	265.8	771.1	0.0	2,425.2	933.9	1,036.5	454.7	16.3
UKJ2305	Reigate and Banstead	1.2	3.6	-	4.7	0.3	4.0	4.4	124.1	12.8	1,239.2	10.3	1,386.5	237.6	901.9	1,139.5	364.9	265.8	630.7	0.2	3,166.0	728.1	1,188.1	1,249.5	20.8
UKJ2206	Rother	31.8	6.4	1.3	39.5	38.3	0.4	38.8	42.7	94.3	598.4	19.9	755.3	247.5	462.4	709.9	155.9	197.4	353.3	18.5	1,915.3	516.3	761.0	619.6	18.4
UKJ2312	Runnymede	0.2	3.2	-	3.4	0.0	3.6	3.6	24.8	6.8	1,239.9	23.6	1,295.1	280.7	469.9	750.6	270.2	157.6	427.8	5.5	2,485.9	575.9	641.1	1,263.5	19.2
UKJ3310	Rushmoor	1.9	0.4	-	2.3	0.0	0.0	0.0	31.6	2.9	458.1	5.3	497.8	187.7	468.2	655.9	249.8	147.9	397.6	1	1,554.7	471.0	619.4	463.3	16.6
UKJ4207	Sevenoaks	21.3	4.4	-	25.7	0.1	0.4	0.5	58.2	85.1	1,799.9	20.4	1,963.7	136.6	661.5	798.1	222.3	247.3	469.6	12.0	3,269.5	438.5	998.7	1,820.3	20.8
UKJ4208	Shepway	22.7	4.9	7.3	34.9	0.3	0.3	0.7	87.5	66.1	744.8	0.3	898.6	128.3	505.7	634.0	245.5	195.0	440.5	12.5	2,021.1	484.3	772.1	752.3	16.0
UKJ1104	Slough	17.0	0.4	-	17.3	0.5	0.0	0.5	60.4	2.4	709.7	44.2	816.7	406.1	584.8	991.0	838.8	198.8	1,037.6	566.3	3,429.4	1,322.8	786.4	753.9	15.0
UKJ1304	South Bucks	7.1	1.0	-	8.2	0.1	0.5	0.6	40.8	15.9	1,724.7	31.8	1,813.3	153.1	512.1	665.3	216.2	149.5	365.7	2.2	2,855.2	417.3	679.1	1,756.5	25.1
UKJ1403	South Oxfordshire	52.4	8.6	0.1	61.1	0.2	3.6	3.8	90.7	126.7	1,394.1	73.5	1,685.0	224.1	684.7	908.8	496.5	291.4	787.9	17.8	3,464.4	863.9	1,115.0	1,467.7	20.2
UKJ3200	Southampton	0.0	6.1	-	6.1	0.3	6.8	7.2	85.5	5.1	854.6	2.8	947.9	478.5	898.9	1,377.4	578.0	401.2	979.3	-	3,317.8	1,142.4	1,318.0	857.4	13.3
UKJ2313	Spelthorne	0.3	2.0	-	2.3	3.6	2.2	5.8	50.4	3.9	670.5	0.1	724.9	135.1	543.8	679.0	221.1	174.2	395.2	0.0	1,807.2	410.4	726.1	670.6	18.0
UKJ2308	Surrey Heath	31.2	1.5	-	32.6	0.0	1.1	1.1	67.0	6.5	937.2	1.7	1,012.3	208.5	581.7	790.1	253.6	165.8	419.4	5.0	2,260.7	560.2	756.6	938.8	22.2
UKJ4209	Swale	93.9	5.1	0.1	99.0	20.9	0.6	21.5	167.6	34.2	1,184.1	9.6	1,395.5	580.5	652.4	1,232.9	411.4	238.9	650.3	515.2	3,914.5	1,274.4	931.2	1,193.8	16.3
UKJ2309	Tandridge	15.3	3.2	-	18.5	0.1	2.0	2.1	41.1	31.8	1,395.8	39.3	1,508.0	119.3	554.0	673.2	142.8	177.6	320.4	5.3	2,527.5	318.6	768.5	1,435.2	22.5
UKJ3312	Test Valley	77.9	7.9	-	85.8	7.0	2.1	9.1	152.0	163.4	1,459.8	37.9	1,813.1	239.7	466.6	706.3	343.6	237.0	580.6	20.0	3,214.8	820.1	877.1	1,497.6	18.1
UKJ4210	Thanet	5.7	1.3	-	7.1	0.0	0.1	0.1	35.3	6.7	467.6	1.0	510.5	342.3	712.0	1,054.4	280.7	242.6	523.3	3	2,098.8	664.1	962.7	468.6	15.8
UKJ4211	Tonbridge and Malling	27.2	3.4	-	30.6	5.4	0.8	6.2	77.9	39.2	1,472.1	0.9	1,590.1	229.8	645.2	875.1	308.4	221.9	530.3	478.9	3,511.2	648.7	910.5	1,473.1	18.4
UKJ4212	Tunbridge Wells	19.3	4.2	0.3	23.9	0.1	0.3	0.4	47.2	90.0	591.2	1.2	729.6	161.1	579.3	740.4	299.2	227.1	526.4	11.8	2,032.3	526.8	901.0	592.7	18.7
UKJ1404	Vale of White Horse	20.3	5.0	-	25.3	0.2	1.6	1.8	96.5	86.8	1,345.5	67.8	1,596.5	265.9	618.6	884.5	481.0	240.3	721.3	11.0	3,240.5	863.8	952.4	1,413.3	18.8
UKJ2310	Waverley	13.2	2.9	-	16.1	0.1	0.2	0.3	44.7	52.2	814.6	1.2	912.7	201.0	803.8	1,004.8	194.8	252.0	446.7	7.4	2,388.0	453.7	1,111.1	815.8	22.3
UKJ2207	Wealden	44.2	10.3	1.1	55.6	0.2	0.7	0.9	101.7	199.6	1,235.2	14.2	1,550.8	123.9	713.7	837.6	213.3	319.7	533.0	27.7	3,005.6	483.3	1,244.0	1,250.5	19.3
UKJ1102	West Berkshire	83.1	11.5	-	94.6	0.2	1.4	1.7	153.4	206.7	2,572.2	86.4	3,018.7	521.1	652.2	1,173.3	577.9	330.1	907.9	32.5	5,228.7	1,335.7	1,201.9	2,658.6	19.0
UKJ1405	West Oxfordshire	208.0	6.0	-	214.0	1.2	0.4	1.6	116.2	138.2	696.3	13.4	964.1	194.1	491.3	685.5	297.1	225.0	522.1	26.4	2,413.6	816.6	860.9	709.7	19.2
UKJ3313	Winchester	15.1	7.8	0.7	23.6	0.3	1.7	2.0	71.7	118.3	1,761.1	6.8	1,957.9	225.5	554.0	779.4	409.6	230.4	640.0	16.8	3,419.8	722.2	912.1	1,768.6	19.1
UKJ1105	Windsor and Maidenhead	3.9	4.3	-	8.2	0.3	4.4	4.6	54.3	39.5	1,362.0	39.0	1,494.7	321.1	913.5	1,234.7	447.5	292.2	739.8	1.2	3,483.2	827.0	1,253.9	1,401.0	21.0
UKJ2311	Woking	0.0	3.2	-	3.2	0.0	3.5	3.5	19.4	7.7	435.1	7.8	469.9	164.0	564.8	728.8	392.6	191.5	584.2	0.3	1,789.9	576.0	770.6	442.8	19.3
UKJ1106	Wokingham	1.4	2.8	-	4.2	0.0	2.6	2.6	46.2	25.2	1,227.8	50.9	1,350.0	228.5	937.6	1,166.1	405.0	287.5	692.4	1.3	3,216.6	681.1	1,255.5	1,278.7	20.3
UKJ2407	Worthing	-	2.8	-	2.8	0.0	3.2	3.2	32.1	4.0	322.1	31.7	389.9	223.2	529.7	752.8	195.7	189.9	385.6	-	1,534.3	450.9	729.5	353.9	15.2
UKJ1305	Wycombe	14.5	7.0	-	21.6	0.5	5.0	5.5	145.9	85.6	1,335.3	42.3	1,609.2	224.6	975.5	1,200.1	376.3	328.6	704.9	6.8	3,548.1	761.9	1,401.7	1,377.7	20.3
UKJ	TOTAL SOUTH EAST	2,001.8	288.2	18.2	2,308.2	2,840.2	124.6	2,964.8	15,688.5	3,505.7	66,381.5	1,139.8	86,715.5	18,218.3	44,491.1	62,709.4	22,744.2	16,058.2	38,802.5	2,368.2	195,868.6	61,493.1	64,467.8	67,539.5	17.8
UKK1201	Bath and North East Somerset	42.8	13.3	-	56.0	0.2	7.9	8.2	72.8	53.0	843.5	23.8	993.0	316.0	894.4	1,210.4	356.2	325.5	681.7	16.8	2,966.1	788.0	1,294.0	867.2	17.5
UKK2101	Bournemouth	8.9	1	-	10.0	1.3	0	1.4	17.1	5.8	613.2	2.3	638.4	299.8	886.3	1,186.1	389.0	329.1	718.1	25.6	2,579.4	716.1	1,222.3	615.5	14.5
UKK1100	Bristol, City of	1.2	12.6	-	13.7	13.7	14.2	27.9	101.2	14.3	1,822.4	21.6	1,959.5	735.0	2,003.4	2,738.5	1,152.3	709.4	1,861.7	-	6,601.2	2,003.3	2,753.9	1,844.0	14.8
UKK1301	Cheltenham	0.1	2.8	0.7	3.7	0.8	3.2	4.0	34.1	4.0	325.9	11.0	375.0	268.2	609.4	877.6	339.0	204.1	543.1	-	1,803.4	642.2	823.6	337.6	16.0
UKK2202	Christchurch	1.6	0.7	-	2.4	0.0	0.1	0.1	60.0	2.7	283.4	1.0	347.1	44.7	261.7	306.4	104.9	87.8	192.7	1.8	850.4	211.3	352.9	284.4	16.3
UKK3001	Cornwall	285.5	104.2	3.5	393.3	8.9	7.3	16.2	731.2	839.4	3,563.4	120.2	5,254.2	992.4	1,410.3	2,402.7	1,366.3	1,281.6	2,647.9	334.9	11,049.0	3,384.2	3,642.8	3,687.1	15.5
UKK1302	Cotswold	91.5	11.1	-	102.6	0.6	0.8	1.3	202.1	147.2	1,069.8	8.5	1,427.6	139.2	352.2	491.4	198.6	220.2	418.8	35.7	2,477.4	632.0	731.4	1,078.3	19.8
UKK4301	East Devon	64.9	14.0	-	78.9	0.5	1.2	1.7	219.6	126.0	1,105.0	25.8	1,476.4	138.5	576.9	715.5	237.8	272.0	509.8	39.8	2,822.1	661.4	990.1	1,130.8	16.4
UKK2203	East Dorset	14.0	6.2	-	20.2	0.1	0.4	0.6	66.9	38.5	627.4	0.0	732.8	62.9	500.2	563.1	144.5	171.6	316.1	15.9	1,648.7	288.5	716.9	627.	

UKK2303	South Somerset	100.4	19.1	-	119.5	0.4	1.3	1.7	213.2	203.2	1,223.6	73.3	1,713.3	392.1	542.7	934.8	417.7	342.3	760.1	67.8	3,597.2	1,123.8	1,108.6	1,297.0	15.6
UKK1305	Stroud	32.8	9.7	-	42.5	4.3	3.1	7.4	118.9	68.0	1,450.6	25.5	1,663.0	279.4	565.2	844.6	322.6	227.8	550.4	20.2	3,128.1	758.0	873.8	1,476.1	17.9
UKK1400	Swindon	18.7	1.6	-	20.3	3.8	0.1	3.9	92.4	15.7	1,548.2	10.7	1,667.1	535.6	1,026.0	1,561.6	762.3	349.3	1,111.7	7.2	4,371.8	1,412.9	1,392.8	1,558.9	15.3
UKK2304	Taunton Deane	30.8	7.8	1.5	40.1	0.1	0.5	0.6	52.1	69.8	1,124.7	18.8	1,265.3	156.7	449.7	606.3	233.4	207.3	440.7	20.1	2,373.2	473.0	735.1	1,144.9	15.3
UKK4306	Teignbridge	36.3	11.4	0.4	48.2	0.8	1.6	2.3	172.3	80.0	1,342.7	15.8	1,610.8	317.8	510.7	828.5	241.2	252.0	493.2	29.4	3,012.5	768.5	855.6	1,358.9	15.5
UKK1306	Tewkesbury	13.1	6.1	2.4	21.5	0.4	3.1	3.5	122.8	43.3	1,326.8	17.5	1,510.4	216.9	393.3	610.2	339.9	155.4	495.3	9.8	2,650.7	693.1	601.2	1,346.6	16.7
UKK4200	Torbay	47.4	1.3	1.8	50.4	0.0	0.1	0.1	16.3	5.2	516.6	1.3	539.4	194.5	643.4	837.9	219.5	247.3	466.8	8.7	1,903.4	477.7	897.3	519.6	15.0
UKK4307	Torridge	20.3	13.9	-	34.2	0.3	1.0	1.3	71.8	130.6	415.9	0.2	618.6	32.1	167.6	199.7	130.6	138.1	268.6	34.6	1,157.1	255.1	451.2	416.2	15.7
UKK4308	West Devon	14.0	11.7	4.8	30.5	0.1	0.8	0.9	115.8	101.5	639.7	4.5	861.6	101.0	164.0	264.9	134.3	117.0	251.3	28.9	1,438.1	365.2	395.0	649.0	16.9
UKK2207	West Dorset	28.7	12.6	-	41.2	5.7	0.9	6.6	78.5	154.5	922.6	5.8	1,161.3	131.4	363.6	495.0	237.2	226.7	463.9	32.1	2,200.2	481.5	758.2	928.4	16.8
UKK2305	West Somerset	10.0	9.1	6.8	25.8	0.0	0.6	0.7	22.4	73.4	325.1	-	420.9	86.9	95.9	182.8	160.9	82.5	243.4	21.8	895.3	280.1	261.5	331.9	16.7
UKK2208	Weymouth and Portland	1.5	0.9	-	2.5	0.1	0.1	0.1	28.7	3.3	252.4	8.2	292.6	78.7	301.3	380.0	103.3	111.1	214.4	2.2	891.9	212.3	416.8	260.6	14.5
UKK1501	Wiltshire	261.1	37.9	0.0	299.1	4.2	2.7	6.9	434.0	513.3	4,322.4	193.3	5,463.1	1,248.2	1,803.9	3,052.1	1,171.2	982.9	2,154.2	110.4	11,085.7	3,118.7	3,340.8	4,515.8	16.8
UKK	TOTAL SOUTH WEST	1,844.9	443.5	29.2	2,317.6	59.8	85.2	145.0	4,815.3	3,703.8	39,350.7	937.1	48,806.9	10,759.6	22,098.8	32,858.4	13,930.9	10,345.6	24,276.5	1,346.1	109,750.6	31,410.5	36,677.0	40,317.0	15.9
UKN0301	Antrim	142.2	19.8	-	162.1	0.6	16.9	17.5	269.1	256.1	798.7	6.0	1,329.9	..	..	..	..	..	..	16.7	1,526.1	411.9	292.8	804.7	14.7
UKN0302	Ards	44.6	13.6	-	58.2	0.3	1.0	1.3	108.1	369.8	450.9	-	928.8	..	..	..	..	..	..	36.2	1,024.5	153.0	384.4	450.9	11.8
UKN0501	Armagh	122.9	17.3	-	140.2	0.5	3.3	3.8	119.0	301.3	754.9	5.2	1,180.5	..	..	..	..	..	..	48.8	1,373.3	242.3	322.0	760.1	14.9
UKN0303	Ballymena	125.7	27.7	-	153.3	0.7	18.4	19.1	267.3	325.2	690.5	5.4	1,288.3	..	..	..	..	..	..	42.6	1,503.4	393.6	371.3	695.9	14.8
UKN0401	Ballymoney	17.2	7.4	-	24.5	1.7	0.5	2.2	66.3	160.1	299.0	5.0	530.5	..	..	..	..	..	..	19.0	576.2	85.1	168.0	304.0	14.5
UKN0304	Banbridge	71.1	10.6	-	81.7	0.4	0.7	1.1	135.4	250.1	513.2	-	898.8	..	..	..	..	..	..	32.8	1,014.5	207.0	261.5	513.2	14.2
UKN0100	Belfast	20.7	55.6	-	76.3	0.5	59.0	59.5	211.4	634.8	1,068.9	21.6	1,936.6	..	..	..	..	..	..	8.7	2,081.1	232.6	749.4	1,090.4	6.0
UKN0201	Carrickfergus	57.7	4.0	-	61.8	0.1	0.3	0.4	82.2	155.4	139.9	8.6	386.1	..	..	..	..	..	..	15.6	463.8	140.0	159.7	148.5	9.8
UKN0203	Castlereagh	18.0	11.5	-	29.6	0.1	11.1	11.2	37.7	257.2	257.6	-	552.5	..	..	..	..	..	..	5.7	598.9	55.8	279.8	257.6	10.0
UKN0402	Coleraine	70.3	12.7	-	83.0	9.5	0.9	10.4	162.5	308.9	453.1	7.6	932.1	..	..	..	..	..	..	36.4	1,061.9	242.3	322.5	460.7	12.1
UKN0502	Cookstown	306.6	9.6	-	316.3	22.6	0.7	23.2	188.3	187.8	350.5	-	726.6	..	..	..	..	..	..	45.2	1,111.3	517.5	198.1	350.5	15.3
UKN0305	Craigavon	102.7	38.6	-	141.2	0.6	37.0	37.6	180.1	450.6	602.0	15.0	1,247.7	..	..	..	..	..	..	23.0	1,449.5	283.3	526.2	617.0	14.4
UKN0403	Derry	510.9	19.4	-	530.2	0.9	1.4	2.3	124.2	467.3	528.2	2.7	1,122.4	..	..	..	..	..	..	73.5	1,728.4	636.0	488.1	530.8	11.7
UKN0306	Down	42.2	22.7	0.0	65.0	3.1	10.0	13.0	102.8	379.2	658.4	-	1,140.4	..	..	..	..	..	..	39.0	1,257.4	148.1	411.9	658.4	15.4
UKN0503	Dungannon and South Tyrone	225.8	14.5	-	240.3	1.4	1.0	2.4	460.4	287.0	843.3	-	1,590.7	..	..	..	..	..	..	60.6	1,894.1	687.6	302.5	843.3	15.1
UKN0504	Fermanagh	298.0	19.0	-	316.9	1.1	1.3	2.5	604.0	337.5	799.0	-	1,740.5	..	..	..	..	..	..	79.7	2,139.6	903.2	357.8	799.0	14.9
UKN0307	Larne	52.6	6.5	-	59.1	0.3	1.3	1.6	58.9	147.5	309.2	5.6	521.3	..	..	..	..	..	..	19.4	601.4	111.8	155.4	314.8	11.3
UKN0404	Limavady	79.3	11.0	-	90.3	0.1	0.8	0.9	45.4	164.0	404.7	4.7	618.9	..	..	..	..	..	..	34.8	744.8	124.8	175.8	409.5	14.4
UKN0204	Lisburn	221.7	16.4	-	238.1	1.3	3.3	4.6	365.0	470.6	979.6	17.6	1,832.7	..	..	..	..	..	..	58.5	2,134.0	588.0	490.4	997.1	10.6
UKN0505	Magherafelt	278.3	12.0	-	290.3	1.3	0.8	2.2	435.7	219.2	452.4	-	1,107.3	..	..	..	..	..	..	61.3	1,461.0	715.3	232.0	452.4	15.5
UKN0405	Moyle	7.6	6.4	0.0	14.1	0.0	0.5	0.5	18.8	94.1	218.0	-	330.9	..	..	..	..	..	..	15.8	361.2	26.4	101.0	218.1	12.9
UKN0506	Newry and Mourne	139.7	28.9	-	168.6	2.2	14.2	16.4	476.2	480.6	909.4	8.2	1,874.5	..	..	..	..	..	..	53.7	2,113.2	618.1	523.7	917.6	15.2
UKN0202	Newtownabbey	208.4	12.6	-	221.0	7.7	9.4	17.0	165.4	326.9	464.5	7.5	964.3	..	..	..	..	..	..	30.4	1,232.7	381.5	348.8	472.1	10.0
UKN0205	North Down	107.3	6.7	-	114.0	0.6	0.5	1.1	39.0	285.8	290.7	17.9	633.4	..	..	..	..	..	..	23.8	772.3	146.9	293.0	308.6	8.7
UKN0507	Omagh	43.4	15.8	-	59.2	0.6	1.1	1.7	195.3	268.9	648.5	-	1,112.7	..	..	..	..	..	..	41.1	1,214.7	239.3	285.8	648.5	15.4
UKN0406	Strabane	67.1	11.3	-	78.4	0.9	0.8	1.7	270.9	207.8	448.0	-	926.6	..	..	..	..	..	..	34.1	1,040.9	338.9	219.9	448.0	14.5
UKN	TOTAL NORTHERN IRELAND	3,381.8	431.7	0.1	3,813.6	59.0	196.2	255.2	5,189.5	7,793.8	14,333.0	138.6	27,455.0	..	..	..	..	..	..	956.6	32,480.4	8,630.4	8,421.7	14,471.7	11.7
	Unallocated	-	-	-	-	-	-	-	-	-	-	-	-	1,448.0	677.2	2,125.2	4,736.9	179.7	4,916.6	-	7,041.8	6,184.9	856.9	-	-
GREAT BRITAIN (inc Unallocated)	19,175.1	#####	115.0	24,551.0	44,053.7	2,855.9	46,909.6	101,465.3	24,434.6	412,077.0	7,455.9	545,432.9	182,746.3	315,655.8	498,402.2	181,555.7	108,419.9	289,975.6	21,640.3	1,426,911.5	528,996.1	456,627.2	419,533.0	17.4	
Wales	1,651.4	707.8	20.1	2,379.3	15,370.6	203.3	15,573.9	11,280.4	3,302.8	21,107.1	357.8	36,048.0	8,976.2	14,477.0	23,453.1	10,366.2	5,179.5	15,545.7	3,035.0	96,035.1	47,644.7	23,870.5	21,484.9	18.1	
Scotland	1,400.5	605.9	3.9	2,010.3	708.3	201.9	910.2	22,834.6	3,321.3	36,300.8	638.4	63,095.1	20,574.4	28,073.1	48,647.5	15,220.3	10,652.6	25,872.9	3,621.6	144,157.5	60,738.1	42,854.8	36,943.1	17.7	
England	16,123.2	#####	91.0	20,161.4	27,974.8	2,450.7	30,425.5	67,350.4	17,810.5	354,669.2	6,459.7	446,289.8	151,747.8	272,428.7	424,176.4	151,232.2	92,408.1	243,640.3	14,983.6	1,179,677.1	414,428.4	389,045.1	361,219.9	17.3	
Northern Ireland (Unallocated)	3,381.8	431.7	0.1	3,813.6	59.0	196.2	255.2	5,189.5	7,793.8	14,333.0	138.6	27,455.0	..	..	..	..	..	..	956.6	32,480.4	8,630.4	8,421.7	14,471.7	11.7	
United Kingdom	22,556.9	#####	115.0	28,364.6	44,112.7	3,052.1	47,164.8	106,654.8	32,228.4	426,410.0	7,594.6	572,887.8	182,746.4	315,655.9	498,402.3	181,555.7	108,419.9	289,975.6	22,596.8	1,459,391.9	537,626.5	465,048.9	434,119.6	17.3	
UK Energy Consumption as in	21,330.5	#####	#####	48,288.1	15,943.9	2,564.8	18,508.7	72,098.2	33,363.4	443,997.5	7,624.5	557,083.6	208,376.6	342,501.0	550										

UK local authority and regional carbon dioxide emissions national statistics: 2005-2013

This publication combines data from the UK's Greenhouse Gas Inventory with data from a number of other sources, including local energy consumption statistics, to produce a nationally consistent set of carbon dioxide emissions estimates at local authority level from 2005 to 2013.

The data show emissions allocated on an "end-user" basis where emissions are distributed according to the point of energy consumption (or point of emission if not energy related). Except for the energy industry, emissions from the production of goods are assigned to where the production takes place. Therefore, emissions from the production of goods which are exported will be included, and emissions from the production of goods which are imported are excluded.

Carbon dioxide (CO₂) is the main greenhouse gas, accounting for about 82 per cent of the UK greenhouse gas emissions in 2013. In recent years, increasing emphasis has been placed on the role of regional bodies and local government in contributing to energy efficiency improvements, and hence reductions in carbon dioxide emissions. The statistics are largely consistent with the UK national Greenhouse Gas Inventory and with the Devolved Administration Greenhouse Gas Inventories, but there are some minor methodological differences outlined in the methodology report.

Website	https://www.gov.uk/government/statistics/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics-2005-2013
Date of Publication	25 June 2015
Date of next Publication	23 June 2016
Responsible Statistician	Georgina Eaton
Media enquiries	Climatechange.Statistics@decc.gsi.gov.uk
Methodology	https://www.gov.uk/government/statistics/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics-2005-2013
Other Data	https://www.gov.uk/government/collections/sub-national-gas-consumption-data https://www.gov.uk/government/collections/sub-national-electricity-consumption-data http://www.ons.gov.uk/ons/rel/pop-estimate/population-estimates-for-uk--england-and-wales--scotland-and-northern-ireland/index.html http://www.nrscotland.gov.uk/files//statistics/time-series/population/pop-council-tot-1981-2014.xlsx http://www.nisra.gov.uk/archive/demography/population/midyear/LGD_tots_8114.xls https://geoportal.statistics.gov.uk/Docs/Names%20and%20Codes/Local_authority_districts_(UK)_2014_Names_and_Codes.zip

Full dataset	Local CO₂ emissions estimates 2005-2013 (kt CO₂) Total CO ₂ emissions by sector for all Local Authorities in the UK
Per capita	Per capita Local CO₂ emission estimates 2005-2013 (t CO₂ per person) CO ₂ emissions per person in the Industrial & Commercial, Domestic and Transport sectors for all Local Authorities in the UK
Guidance notes	Formatting guide for the analysis of the CO₂ emissions local authority level dataset Contains instructions on activating hidden features that enable the user to compare the full dataset for different years, for every Local Authority
UK Reconciliation	Reconciliation of 2013 Local Authority CO₂ emissions estimates with full Final-User UK Inventory Reconciliation of the Local Authority Inventory and UK Inventory
England Reconciliation	Reconciliation of 2013 Local Authority dataset with the end-user inventory for England Reconciliation of the Local Authority Inventory and Inventory for England
Scotland Reconciliation	Reconciliation of 2013 Local Authority dataset with end-user inventory for Scotland Reconciliation of the Local Authority Inventory and Inventory for Scotland
Wales Reconciliation	Reconciliation of 2013 Local Authority dataset with end-user inventory for Wales Reconciliation of the Local Authority Inventory and Inventory for Wales
NI Reconciliation	Reconciliation of 2013 Local Authority dataset with end-user inventory for Northern Ireland Reconciliation of the Local Authority Inventory and Inventory for Northern Ireland

Dataset
 name Local CO₂ emission estimates
 Year 2005-2013
 Release
 date 25/06/2015
 Units kt CO₂

Region Name	Second Tier Authority	LAD14NM	LAD14CD	Year	A. Industry and Commercial Electricity	B. Industry and Commercial Gas	C. Large Industrial Installations	D. Industrial and Commercial Other Fuels	E. Agriculture	Industry and Commercial Total	F. Domestic Electricity	G. Domestic Gas	H. Domestic 'Other Fuels'	Domestic Total	I. Road Transport (A roads)	J. Road Transport (Motorways)	K. Road Transport (Minor roads)	L. Diesel Railways	M. Transport Other	Transport Total	N. LULUCF Net Emissions	Grand Total	Population ('000s, mid-year estimate)	Per Capita Emissions (t)	
	Milton Keynes	Milton Keynes	E06000042	2005	579.6	154.1	0.1	60.5	6.8	800.9	228.9	281.9	14.7	525.5	162.8	214.6	239.3	1.0	2.5	620.3	2.1	1,948.8	223.5	8.7	
				2006	617.0	152.5	0.0	56.8	6.6	833.0	239.2	275.8	14.4	529.4	160.9	205.5	232.6	1.0	2.7	602.7	1.6	1,966.7	227.2	8.7	
				2007	601.7	143.3	0.1	56.5	6.5	808.1	239.2	271.9	13.1	524.2	165.2	197.0	239.7	1.1	2.7	605.7	0.8	1,938.8	231.0	8.4	
				2008	619.8	148.2	0.0	44.5	6.1	818.6	229.5	276.3	13.9	519.7	161.0	174.7	234.2	1.1	2.6	573.5	0.5	1,912.3	235.6	8.1	
				2009	527.7	131.0	0.0	35.9	6.5	701.1	207.9	248.7	13.1	469.7	156.5	190.2	228.7	1.1	2.4	578.9	0.7	1,750.4	240.2	7.3	
				2010	521.2	144.2	0.0	39.4	6.5	711.3	215.2	276.0	14.4	505.6	147.4	190.8	223.7	1.1	2.5	565.5	0.6	1,783.1	245.5	7.3	
				2011	458.3	119.7	0.0	34.2	6.8	618.9	203.6	230.3	12.2	446.1	144.2	183.5	220.3	1.1	2.3	551.4	0.4	1,616.7	249.9	6.5	
				2012	543.0	132.5	0.0	33.1	6.4	715.0	216.4	254.5	12.1	483.0	146.8	201.3	218.6	1.1	2.3	570.3	-0.2	1,768.1	252.4	7.0	
	2013	513.0	141.4	0.0	28.6	5.9	688.9	199.8	261.6	12.7	474.1	143.5	209.7	215.6	1.1	2.4	572.3	-0.3	1,735.0	255.7	6.8				
		Oxford		E07000178	2005	348.7	183.1	5.7	25.8	0.6	563.9	130.4	170.7	5.2	306.4	84.9	-	57.5	5.8	7.2	155.4	1.5	1,027.2	145.4	7.1
					2006	372.4	172.1	5.3	25.6	0.6	575.9	133.7	158.8	4.7	297.1	80.9	-	56.9	5.5	7.5	150.8	1.4	1,025.3	144.5	7.1
					2007	318.6	165.8	5.1	26.0	0.6	516.0	133.4	153.8	4.4	291.6	82.7	-	58.9	5.8	7.7	155.2	1.3	964.1	144.2	6.7
					2008	379.4	165.0	5.1	25.0	0.6	575.1	128.7	158.7	4.8	292.2	77.2	-	57.8	5.5	7.8	148.4	1.2	1,016.9	144.4	7.0
					2009	335.2	152.3	5.1	19.9	0.6	513.1	115.6	142.2	4.1	261.9	75.7	-	56.1	5.4	7.8	145.1	1.2	921.4	145.5	6.3
2010					346.8	168.7	5.1	22.4	0.6	543.6	117.8	156.5	4.4	278.7	75.2	-	55.7	5.5	8.0	144.5	1.1	967.8	147.9	6.5	
2011					328.0	138.2	5.2	20.0	0.6	492.1	111.8	130.0	4.1	245.9	74.9	-	53.9	5.5	8.0	142.3	1.0	881.3	150.2	5.9	
2012	348.0	161.3	5.1	20.9	0.6	535.9	119.8	144.7	4.0	268.5	75.0	-	52.5	5.9	8.0	141.4	0.9	946.8	152.5	6.2					
2013	323.7	160.8	5.4	17.2	0.6	507.8	108.1	148.7	4.5	261.4	73.9	-	52.5	5.7	8.2	140.3	0.9	910.3	154.8	5.9					