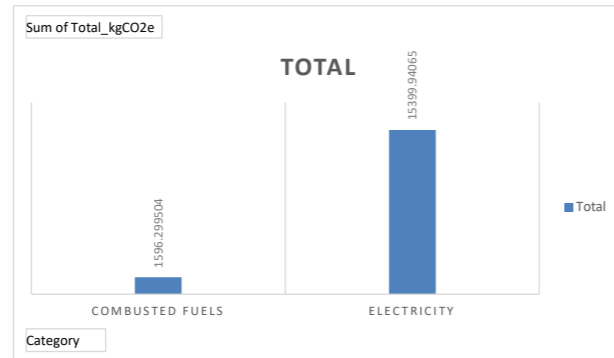


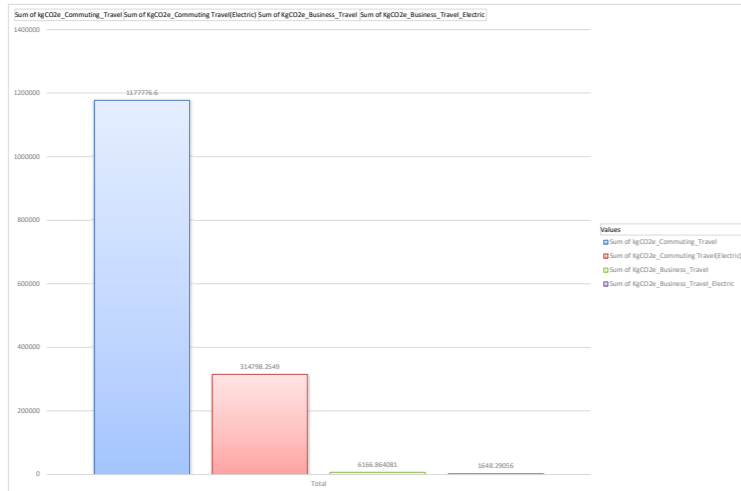
Organisation Name	Service HQ	Site Name	Assigned_kgCO2e	Whole Site Total_kgCO2e	Category	Factor Type	Description	Unit Of Measure	Quantity	Adjustment Multiplier	Carbon Factor Description	Carbon Factor	Total_kgCO2e	Scope	Service	Reporting Year
MBC 1	TRUE	Depot 1	16996.24016	16996.24016	Electricity	STD	National grid	kWh	56028.43	0	[BEIS] UK electricity, National grid, Electricity, National grid {2023} {Ops+WTT+T&D}	0.2748594	15399.94065	Scope 1	Highways	2022
MBC 1	TRUE	Depot 1	16996.24016	16996.24016	Combusted F	STD	Gas	kWh (Gross CV)	6670.849	0	[BEIS] Fuels, Gaseous Fuels, Propane {2023} {Ops+WTT+T&D}	0.239294804	1596.299504	Scope 1	Highways	2022

Row Labels	Sum of Total_kgCO2e
Combusted Fuels	1596.299504
Electricity	15399.94065
Grand Total	16996.24016



Service	Organisation Name	Reporting Year	Name Or Identifier	Primary Function	Commuting Miles	Business Travel Miles	Commuting Days	Total Commuting Miles	Home Working Days	Transport Mode	Fuel Type	Measure Travel	Travel Carbon Factor-Description	Home Working Carbon Factor-Description	Carbon Factor-Home Working	kgCO2e-Home Working	Carbon Factor-Travel	kgCO2e-Commuting Travel	kgCO2e-Business Travel	kgCO2e-Commuting Travel(Electric)	kgCO2e-Business Travel Electric
Highways	MBC1	2022	All staffs	Depot-25	211.6	0	5221	1104763.6	0	Car	Diesel	miles	(BEIS) Commuting & Business Travel, Cars	(BEIS) Home Office, Home Working, Combined, Per F	2.555649861	0	0	0	0	0	0
Highways	MBC1	2022	All staffs	Ground maintenance/Urban Forestry	320.76	0	7354.8	2359125.648	0	Car	Diesel	miles	(BEIS) Commuting & Business Travel, Cars	(BEIS) Home Office, Home Working, Combined, Per F	2.555649861	0	0.340015663	375636.928	0	100400.916	0
Highways	MBC1	2022	Highways Management	SMBC-BEC1112 School Crossing Patrol	0	2070	0	0	0	Car	Diesel	miles	(BEIS) Commuting & Business Travel, Cars	(BEIS) Home Office, Home Working, Combined, Per F	2.555649861	0	0.340015663	802139.6725	0	214397.3389	0
Highways	MBC1	2022	Highways Management	SMBC-BEC1111 Parking and Safer and Sustainab	0	3063	0	0	0	Car	Diesel	miles	(BEIS) Commuting & Business Travel, Cars	(BEIS) Home Office, Home Working, Combined, Per F	2.555649861	0	0.340015663	0	907.8413204	0	242.6496
Highways	MBC1	2022	Highways Management	SMBC-BEC1111 Highways Development	0	2279	0	0	0	Car	Diesel	miles	(BEIS) Commuting & Business Travel, Cars	(BEIS) Home Office, Home Working, Combined, Per F	2.555649861	0	0.340015663	0	1041.467976	0	278.36544
Highways	MBC1	2022	Highways Management	SMBC-BEC1110 Highways Assets-Business miles	0	10125	0	0	0	Car	Diesel	miles	(BEIS) Commuting & Business Travel, Cars	(BEIS) Home Office, Home Working, Combined, Per F	2.555649861	0	0.340015663	0	774.8956962	0	207.11552

Sum of kgCO2e-Commuting Travel: 1177776.6
 Sum of kgCO2e-Commuting Travel(Electric): 114798.2549
 Sum of kgCO2e-Business Travel: 6166.864081
 Sum of kgCO2e-Business Travel Electric: 1648.29056



[BEIS] Bioenergy, Biofuel, Biodiesel HVO (+WTT) {2024}

0.59458 KgCO₂e/litres

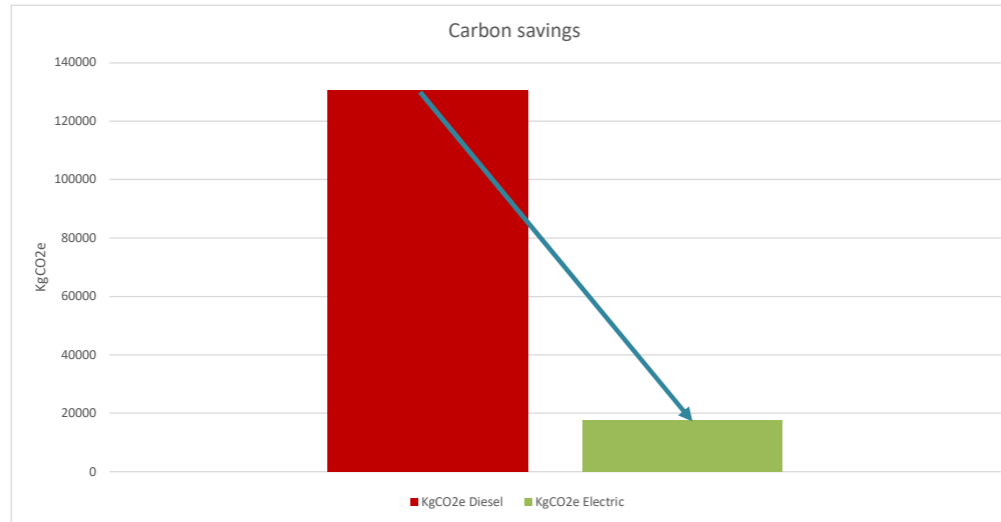
[BEIS] Business travel- land, Cars (by size), Medium car, Battery Electric Vehicle (+WTT) {2024}

0.09088 KgCO₂e/miles

Organisation	Reporting Year	Service	VPE Type	Fuel Type	Registration	Asset Reference	Short Description	Engine Size Litres	Make	Model	Weight	Carbon Factor Description	Unit Of Measure	Carbon Factor	Quantity	Total kgCO2e	Data Confidence
MBC 1	2022	Highways	Car	Petrol	BN16GMU			1.4	AUDI						0	0	
MBC 1	2022	Highways	Car	Diesel	BN61GMU	BH207		1.5	NISSAN			[BEIS] Commuting & Business Tra	miles	0.34096	7220.99	2462.06875	75
MBC 1	2022	Highways	Car	Diesel	FN70ETV	BH212	4x4	1.9	ISUZU			[BEIS] Commuting & Business Tra	miles	0.417775663	3809.56	1591.541455	75
MBC 1	2022	Highways	Car	Diesel	FN70ETU	BH213	4x4	1.9	ISUZU			[BEIS] Commuting & Business Tra	miles	0.417775663	4835.91	2020.325507	75
MBC 1	2022	Highways	Car	Diesel	FN70ETT	BL133	4x4	1.9	ISUZU			[BEIS] Commuting & Business Tra	miles	0.417775663	7688.51	3212.072363	75
MBC 1	2022	Highways	Plant	Diesel			Ground maintenance vehicles/plants					[BEIS] Fuels, Liquid fuels, Diesel (1 litres		3.32754	14964.54	49795.10543	75
MBC 1	2022	Highways	Van	Diesel	BV13NPX	BH187	3.5T Pickup	2.2	FORD			[BEIS] Delivery vehicles & freight,	miles	0.463318985	6128.9	2839.635729	75
MBC 1	2022	Highways	Van	Diesel	BF65WDM	BH199	18T Crane	6.7	DAF TRUCKS			[BEIS] Delivery vehicles & freight,	miles	0.463318985	4426.83	2051.034383	75
MBC 1	2022	Highways	Van	Diesel	BV15OUA	BH200	26T Tipper Grab	10.8	DAF TRUCKS			[BEIS] Delivery vehicles & freight,	miles	0.463318985	2355.86	1091.514665	75
MBC 1	2022	Highways	Van	Diesel	BG65WHB	BH202	Tipper Crane Lorry	4.5	DAF TRUCKS			[BEIS] Delivery vehicles & freight,	miles	0.463318985	4335.52	2008.728727	75
MBC 1	2022	Highways	Van	Diesel	BG65WHC	BH203	Tipper Crane Lorry	4.5	DAF TRUCKS			[BEIS] Delivery vehicles & freight,	miles	0.463318985	6267.69	2903.939771	75
MBC 1	2022	Highways	Van	Diesel	BG65WHA	BH204	Tipper Crane Lorry	4.5	DAF TRUCKS			[BEIS] Delivery vehicles & freight,	miles	0.463318985	5157	2389.336007	75
MBC 1	2022	Highways	Van	Diesel	BG65WHD	BH205	Tipper Crane Lorry	4.5	DAF TRUCKS			[BEIS] Delivery vehicles & freight,	miles	0.463318985	10763.92	4987.128492	75
MBC 1	2022	Highways	Van	Diesel	FN17WDW	BH206	Crash Cushion	2	VOLKSWAGEN			[BEIS] Delivery vehicles & freight,	miles	0.463318985	2542.14	1177.821725	75
MBC 1	2022	Highways	Van	Diesel	VN19YZM	BH208		1.6	PEUGEOT			[BEIS] Delivery vehicles & freight,	miles	0.463318985	9682.78	4486.215804	75
MBC 1	2022	Highways	Van	Diesel	VN19YZC	BH209		1.6	PEUGEOT			[BEIS] Delivery vehicles & freight,	miles	0.463318985	7651.99	3545.312242	75
MBC 1	2022	Highways	Van	Diesel	VN19YZL	BH210		1.6	PEUGEOT			[BEIS] Delivery vehicles & freight,	miles	0.463318985	7703.12	3569.001742	75
MBC 1	2022	Highways	Van	Diesel	AE70CEV	BH211	Pick up tipper	2.2	PEUGEOT			[BEIS] Delivery vehicles & freight,	miles	0.463318985	17652.53	8178.752286	75
MBC 1	2022	Highways	Van	Diesel	AE71DHL	BH214	Pick up tipper	2.2	PEUGEOT			[BEIS] Delivery vehicles & freight,	miles	0.463318985	4514.49	2091.648926	75
MBC 1	2022	Highways	Van	Diesel	BV23FJK	BH215	Crane Lorry	6.7	DAF TRUCKS			[BEIS] Delivery vehicles & freight,	miles	0.463318985	3064.45	1419.817864	75
MBC 1	2022	Highways	Van	Diesel	BN15XCV	BL129	Street Lighting	3	IVECO			[BEIS] Delivery vehicles & freight,	miles	0.463318985	8755.04	4056.376248	75
MBC 1	2022	Highways	Van	Diesel	BX19FPN	BL130	Pickup tipper	2	PEUGEOT			[BEIS] Delivery vehicles & freight,	miles	0.463318985	8499.37	3937.919484	75
MBC 1	2022	Highways	Van	Diesel	LN70PVF	BL131	Street Lighting	2.1	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	7272.13	3369.315892	75
MBC 1	2022	Highways	Van	Diesel	LO21GDZ	BL132	Street Lighting	2.1	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	5515.28	2555.333933	75
MBC 1	2022	Highways	Van	Diesel	LT68GJV	GRIT01	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	1497.53	693.83408	75
MBC 1	2022	Highways	Van	Diesel	LT68GJX	GRIT02	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	3919.13	1815.807335	75
MBC 1	2022	Highways	Van	Diesel	LT68GIY	GRIT03	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	3466.22	1605.965533	75
MBC 1	2022	Highways	Van	Diesel	LT68HBC	GRIT04	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	4200.38	1946.115799	75
MBC 1	2022	Highways	Van	Diesel	LT68HBA	GRIT05	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	4814	2230.417595	75
MBC 1	2022	Highways	Van	Diesel	LT68HBD	GRIT06	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	4130.98	1913.961462	75
MBC 1	2022	Highways	Van	Diesel	LT68HBB	GRIT07	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	4068.89	1885.193986	75
MBC 1	2022	Highways	Van	Diesel	LT68HAX	GRIT08	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	3714.59	1721.040069	75
MBC 1	2022	Highways	Van	Diesel	LP68KZR	GRIT09	GRITTER	7.7	MERCEDES-BENZ			[BEIS] Delivery vehicles & freight,	miles	0.463318985	2202.46	1020.441532	75

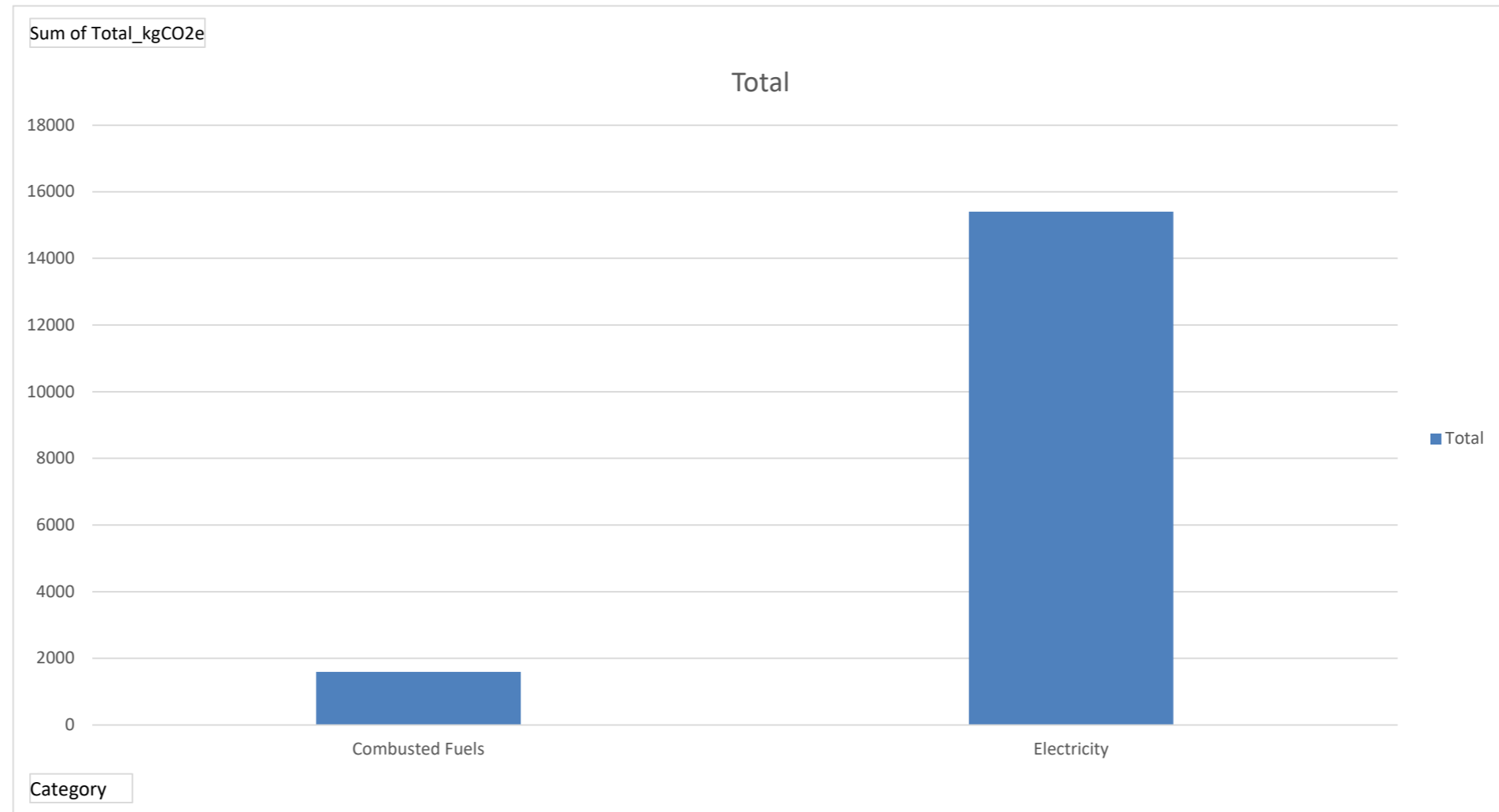
Row Labels	Sum of Total_kgCO2e	Sum of Quantity
Diesel	130572.7248	192822.73
Petrol	0	
Grand Total	130572.7248	192822.73

KgCO2e Electric 17523.7297

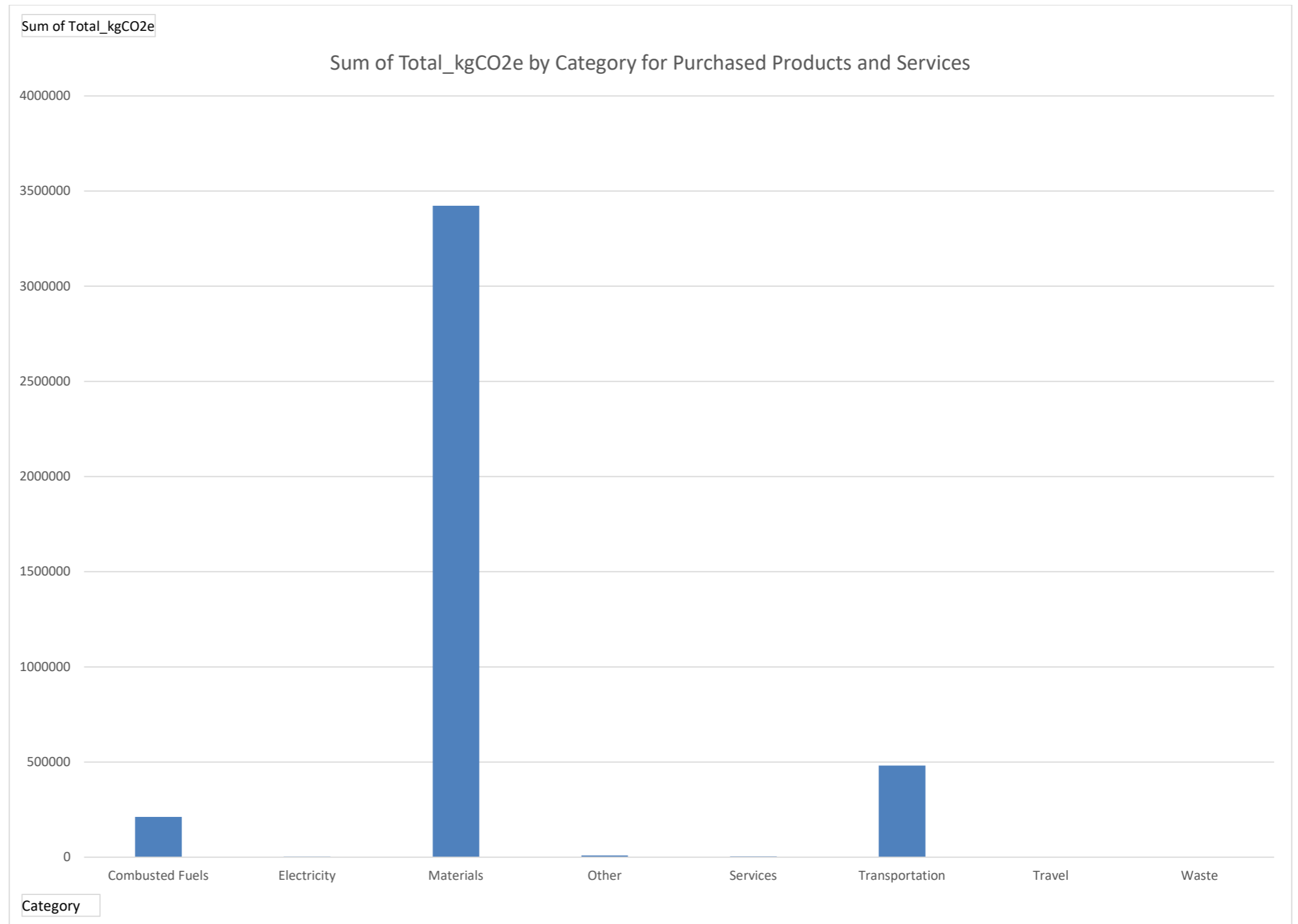


Organisation_Name	Type	Category	Supplier	Total_kgCO2e	Short_Description	Lifecycle_Stages2	Quantity2	Measure2	Carbon_Factor	Data_Summary
MCA A	National Grid	Electricity	DLO	2937.529603	Energy usage for Street Lighting	B1	10687.39	kWh	0.2748594	[BEIS] UK electricity, National grid, Electricity, National grid {2023} {Ops+WTT+T&D}
MCA A	Asphalt	Materials	DLO	2151.148728	AC 10 CGSC	A5	40.44	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Modules A1-A3}
MCA A	Asphalt	Materials	DLO	30625.67678	AC 20 DBC	A5	575.74	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Modules A1-A3}
MCA A	Asphalt	Materials	DLO	1472.398536	AC 4 FSC	A5	27.68	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Modules A1-A3}
MCA A	Asphalt	Materials	DLO	22217.89814	AC 6 DSC	A5	417.68	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Modules A1-A3}
MCA A	Asphalt	Materials	DLO	2893.704597	HRA 45/10F	A5	49.58	tonnes	58.3643525	[NH] Surfacing Materials, HRA surface course, Pavements - Surface course - Hot rolled asphalt {2023} {kgCO2e Per Unit}
MCA A	Asphalt	Materials	DLO	1248.997144	HRA 45/6F	A5	21.4	tonnes	58.3643525	[NH] Surfacing Materials, HRA surface course, Pavements - Surface course - Hot rolled asphalt {2023} {kgCO2e Per Unit}
MCA A	Asphalt	Materials	DLO	0.058364353	HRA 50/10F	A5	1	tonnes	0.058364353	[NH] Surfacing Materials, HRA surface course, Pavements - Surface course - Hot rolled asphalt {2023} {Modules A1-A3}
MCA A	Asphalt	Materials	DLO	1055.227493	HRA 60/20F BIN	A5	18.08	tonnes	58.3643525	[NH] Surfacing Materials, HRA surface course, Pavements - Surface course - Hot rolled asphalt {2023} {kgCO2e Per Unit}
MCA A	Asphalt	Materials	DLO	4934.769227	NSA 45/10F	A5	92.77	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Total kgCO2e}
MCA A	Asphalt	Materials	DLO	13052.6428	NSA 45/6F	A5	245.38	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Total kgCO2e}
MCA A	Asphalt	Materials	DLO	3100.122351	Type 1	A5	58.28	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Modules A1-A3}
MCA A	Asphalt	Materials	DLO	1117.065363	Ancillary products	A5	21	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Modules A1-A3}
MCA A	Asphalt	Materials	DLO	85030.72548	5% Binder	A5	1568.03	tonnes	54.22774149	[ICE] Asphalt, General, 5% binder content {2023} {Modules A1-A3}
MCA A	Other	Materials	DLO	120.8864	Traffic signpost	A5	32	each	3.7777	[FHRG] Signage, Plastic-coated steel signpost, Plastic-coated steel signpost, 2400mm x 76mm diameter {2023} {Modules A1-A3}
MCA A	Other	Materials	DLO	247459.8983	Traffic signal(galvanised steel)	A5	599	each	413.1217	[FHRG] Lighting & Electrical, Lighting column, 10m standard lighting column with internal copper cable - hot-dip galvanized steel, no outreach or lantern {2023} {kgCO2e Per Unit}
MCA A	Other	Materials	DLO	582.9088	Traffic lantern	A5	32	each	18.2159	[FHRG] Signage, Illumination for traffic signs, Mains-powered LED illumination - 400mm downlight with aluminium mounting {2023} {kgCO2e Per Unit}
MCA A	Other	Materials	DLO	299387.9	Lantern upgrades	A5	1477	each	202.7	[FHRG] Lighting & Electrical, Luminaire, LED street lighting luminaire {2023} {kgCO2e Per Unit}
MCA A	Asphalt	Materials	Sub contractor 1	3495.520216		A5	64.46	tonnes	54.22774149	[ICE] Asphalt, General, 5% binder content {2023} {Modules A1-A3}
MCA A	Bitumen	Materials	Sub contractor 1	10639.968		A5	48	kg	0.221666	[ICE] Bitumen, General, Bitumen emulsion {2023} {Total kgCO2e}
MCA A	Business Travel	Travel	Sub contractor 1	464.1213801		B1	1365	miles	0.340015663	[BEIS] Commuting & Business Travel, Cars (by size), Average car, Diesel {2023} {Ops+WTT+T&D}
MCA A	Professional Services	Services	Sub contractor 1	2.493	Professional contractors(off site)	A5	1	operative.day	2.493	[FHRG] Contracted & Agency Staff, Remote Working, Office-Based Professional Services (7.5 Hour Day, Excludes Travel & Transportation) {2023} {Total kgCO2e}
MCA A	Services Delivery	Services	Sub contractor 1	16.352	Operations Contractors(On-Network)	A5	7	operative.day	2.336	[FHRG] Contracted & Agency Staff, Remote Working, Network Operations (7.5 Hour Day, Excludes Travel & Transportation) {2023} {Ops+WTT+T&D}
MCA A	Diesel	Combusted Fuels	Sub contractor 1	1191.830941	(Fuel used by supply chain fleet and plant	A4	362.98	litres	3.283461737	[BEIS] Fuels, Liquid fuels, Liquid Diesel (100% mineral diesel) {2023} {Ops+WTT+T&D}
MCA A	Asphalt	Materials	Sub contractor 2	2281392.007	Resurfacing	A5	42888.477	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Total kgCO2e}
MCA A	Asphalt	Materials	Sub contractor 2	232805.6774	Patching/footways	A5	4376.574	tonnes	53.19358873	[ICE] Asphalt, General, 4.5% binder content {2023} {Total kgCO2e}
MCA A	Other	Transportation	Sub contractor 2	481613.5917	Vehicles, plants and equipments	N/A	146678.6064	litres	3.283461737	[BEIS] Fuels, Liquid fuels, Liquid Diesel (100% mineral diesel) {2023} {Ops+WTT+T&D}
MCA A	Aggregates	Materials	Sub contractor 3	1983.802134	Aggregates	N/A	5914.4	tonnes	0.335419	[NH] Aggregates, General, Lightweight aggregate {2023} {Modules A1-A3}
MCA A	Bitumen	Materials	Sub contractor 3	175559.472	Bitumen	N/A	792	kg	0.221666	[ICE] Bitumen, General, Bitumen emulsion {2023} {Modules A1-A3}
MCA A	Cement & Mortar	Materials	Sub contractor 3	499.2662398	Cement & Mortar	N/A	600	kg	0.8321104	[ICE] Cement & Mortar, Cement, Average UK additions {2023} {Modules A1-A3}
MCA A	Materials	Transportation	Sub contractor 3	172.0897845	Materials	N/A	95	miles	1.811471416	[BEIS] Delivery vehicles & freight, HGV (all diesel), All artics, Average laden {2023} {Ops+WTT+T&D}
MCA A	Waste	Transportation	Sub contractor 3	36.22942832	Waste	N/A	20	miles	1.811471416	[BEIS] Delivery vehicles & freight, HGV (all diesel), All artics, Average laden {2023} {Ops+WTT+T&D}
MCA A	Professional Services	Services	Sub contractor 3	3737.6	Operators	N/A	160	operative.day	2.336	[FHRG] Contracted & Agency Staff, Remote Working, Network Operations (7.5 Hour Day, Excludes Travel & Transportation) {2023} {kgCO2e Per Unit}
MCA A	Landfill	Waste	Sub contractor 3	9.87211128	Landfill	N/A	8	tonnes	1.23401391	[BEIS] Waste disposal, Asphalt, Construction, Asphalt, Landfill {2023} {Ops+WTT+T&D}
MCA A	Diesel	Combusted Fuels	Sub contractor 3	209484.8588	Diesel	N/A	63800	litres	3.283461737	[BEIS] Fuels, Liquid fuels, Liquid Diesel (100% mineral diesel) {2023} {Ops+WTT+T&D}
MCA A	Petrol	Combusted Fuels	Sub contractor 3	655.2697069	Petrol	N/A	222	litres	2.951665346	[BEIS] Fuels, Liquid fuels, Liquid Petrol (100% mineral petrol) {2023} {Ops+WTT+T&D}
MCA A	LPG	Combusted Fuels	DLO	345.0422812	LPG	N/A	198	litres	1.742637784	[BEIS] Fuels, Gaseous Fuels, LPG {2023} {Ops+WTT+T&D}
MCA A	Specified	Other	DLO	9600.558778	Signs-Rectangular	N/A	450	each	21.33457506	[FHRG] Signage, Square aluminium sign, Composite Facing, 450mm x 450mm, 3mm thickness {2023} {kgCO2e Per Unit}
MCA A	Specified	Other	DLO	0	Signs-Triangular	N/A		each	10.66728753	[FHRG] Signage, Triangular aluminium sign, Composite Facing, 450mm x 450mm, 3mm thickness {2023} {kgCO2e Per Unit}

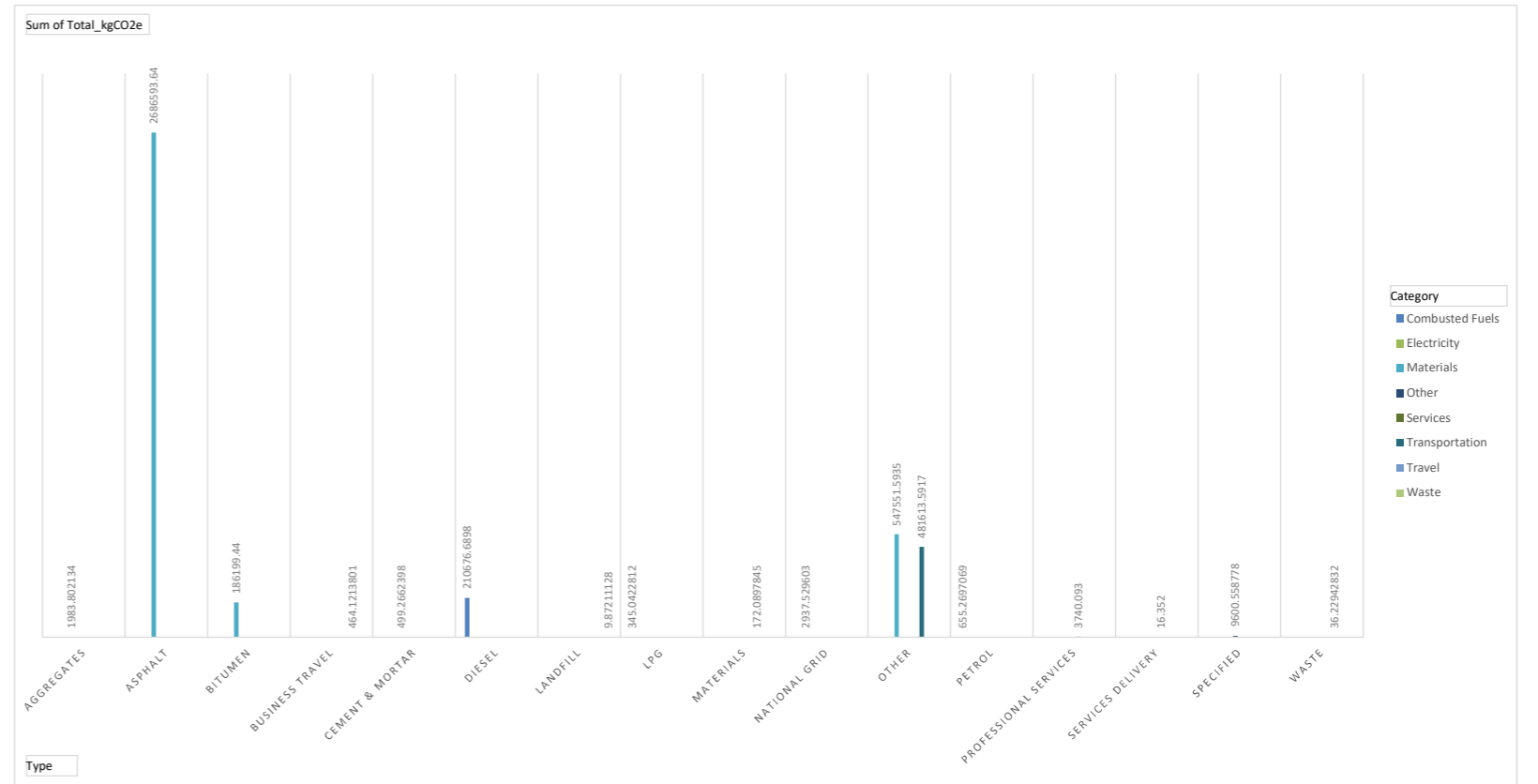
Row Labels	Sum of Total_kgCO2e
Combusted Fuels	1596.299504
Electricity	15399.94065
Grand Total	16996.24016



Category	Sum of Total_kgCO2e
Combusted Fuels	211677.0017
Electricity	2937.529603
Materials	3422827.741
Other	9600.558778
Services	3756.445
Transportation	481821.911
Travel	464.1213801
Waste	9.87211128



Sum of Total_kgCO2e	Column Labels								
Row Labels	Combusted Fuels	Electricity	Materials	Other	Services	Transportation	Travel	Waste	Grand Total
Aggregates			1983.802134						1983.802134
Asphalt			2686593.64						2686593.64
Bitumen			186199.44						186199.44
Business Travel							464.1213801		464.1213801
Cement & Mortar			499.2662398						499.2662398
Diesel	210676.6898								210676.6898
Landfill								9.87211128	9.87211128
LPG	345.0422812								345.0422812
Materials						172.0897845			172.0897845
National Grid		2937.529603							2937.529603
Other			547551.5935				481613.5917		1029165.185
Petrol	655.2697069								655.2697069
Professional Services					3740.093				3740.093
Services Delivery					16.352				16.352
Specified				9600.558778					9600.558778
Waste						36.22942832			36.22942832
Grand Total	211677.0017	2937.529603	3422827.741	9600.558778	3756.445	481821.911	464.1213801	9.87211128	4133095.181



Row Labels	Sum of Total_kgCO2e
Combusted Fuels	211677.0017
DLO	345.0422812
Sub contractor 1	1191.830941
Sub contractor 3	210140.1285
Electricity	2937.529603
DLO	2937.529603
Materials	3422827.741
DLO	716452.0285
Sub contractor 1	14135.48822
Sub contractor 2	2514197.684
Sub contractor 3	178042.5404
Other	9600.558778
DLO	9600.558778
Services	3756.445
Sub contractor 1	18.845
Sub contractor 3	3737.6
Transportation	481821.911
Sub contractor 2	481613.5917
Sub contractor 3	208.3192129
Travel	464.1213801
Sub contractor 1	464.1213801
Waste	9.87211128
Sub contractor 3	9.87211128
Grand Total	4133095.181

