

SUMMARY TABLE							
Emissions Source	Metric kg CO <sub>2</sub> e (Direct)	Metric tonnes CO <sub>2</sub> e (Direct)	Metric kg CO <sub>2</sub> e (Indirect)	Metric tonnes CO <sub>2</sub> e (Indirect)	Metric kg CO <sub>2</sub> e (Direct + Indirect)	Emissions Source	Metric tonnes CO <sub>2</sub> e
Air Travel Emissions	1'720'885.93	1'720.89	183'012.45	183.0	1'903'898.38	Air Travel (Races, Tests, Demos, Seafits, Misc. Flights)	1'903.9
Fuel Deliveries	34'652.65	34.65	6'778.52	6.8	41'431.17	F1 Fuel (Races, Tests, Demo, Hinwil)	41.4
Freight Emissions	3'322'146.42	3'322.15	353'303.13	353.3	3'675'449.55	Transporting (Race-related) Freight (Flight)	3'675.4
Miscellaneous Fuel Emissions	16'017.30	16.02	3'450.55	3.5	19'467.85	Misc. Fuel Emissions (Generators and Forklifts - Diesel)	19.5
Groundtransfer Freight Emissions	5'168.81	5.17	1'067.41	1.1	6'236.22	Ground-Transporting (Race-related) Freight	6.2
Groundtransfer Passenger Emissions	15'432.19	15.43	3'214.84	3.2	18'647.03	Transporting Personnel (Automobiles)	18.6
Electricity and Teleheating Emissions	237'169.95	237.17	50'370.26	50.4	287'540.20	Electricity Usage and Teleheating	287.5
Oil Emissions	20'760.02	20.76	3'902.29	3.9	24'662.31	Gas Oil	24.7
Other Fuel Emissions	209'594.28	209.59	46'860.13	46.9	256'454.42	Diesel (Trucks, Busses, Business Trips) and Fuel (Busses)	256.5
Hotel Stay Emissions	183'222.82	183.22	0.00	0.0	183'222.82	Hotel Nights	183.2
<b>TOTAL</b>	<b>5'765'050</b>	<b>5'765.1</b>	<b>651'960</b>	<b>652.0</b>	<b>6'417'010</b>	<b>GRAND TOTAL</b>	<b>6'417.0</b>



EMISSIONS BREAKDOWN								
Emissions Source		CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	Total Direct GHG	Total Indirect GHG	Grand Total GHG	
Air Travel Emissions	Domestic		23'536	6	117	23'659	2'526	26'174
	Short Haul Economy		171'815	10	858	172'684	18'358	191'042
	Short Haul Business		4'467	0	22	4'489	477	4'967
	Long Haul Economy		778'350	53	3'891	782'294	83'197	865'490
	Long Haul Business		734'086	17	3'657	737'760	78'465	816'225
<b>SUB-TOTAL</b>		<b>1'712'254</b>	<b>87</b>	<b>8'545</b>	<b>1'720'886</b>	<b>183'012</b>	<b>1'903'898</b>	
Fuel Deliveries	Races		28'875	87	50	29'012	5'675	34'687
	Tests		3'667	11	6	3'684	721	4'405
	Demos		115	0	0	115	23	138
	Hinwil		1'833	6	3	1'842	360	2'202
<b>SUB-TOTAL</b>		<b>34'490</b>	<b>104</b>	<b>59</b>	<b>34'652</b>	<b>6'779</b>	<b>41'431</b>	
Air Freight Emissions	Short Haul		344'438	13	1'715	346'166	36'813	382'979
	Long Haul		2'961'133	105	14'742	2'975'980	316'490	3'292'470
	<b>SUB-TOTAL</b>		<b>3'305'571</b>	<b>118</b>	<b>16'457</b>	<b>3'332'146</b>	<b>353'303</b>	<b>3'675'450</b>

Miscellaneous Fuel Emissions	Forklifts (Diesel)	1'593	0	13	1'606	347	1'853
	Generator (Diesel)	13'725	3	108	13'836	2'991	16'827
	Generator (Petrol)	673	2	1	576	113	688
	<b>SUB-TOTAL</b>	<b>15'890</b>	<b>5</b>	<b>122</b>	<b>16'017</b>	<b>3'451</b>	<b>19'468</b>
Groundtransfer Freight Emissions	Races	5'127	1	40	5'169	1'067	6'236
	Tests	0	0	0	0	0	0
	Demos	0	0	0	0	0	0
	<b>SUB-TOTAL</b>	<b>5'127</b>	<b>1</b>	<b>40</b>	<b>5'169</b>	<b>1'067</b>	<b>6'236</b>
Groundtransfer Passenger Emissions	Cars	1'828	0	15	1'844	368	2'212
	Vans	4'781	2	41	4'824	962	5'786
	Busses	8'584	15	164	8'764	1'884	10'648
	<b>SUB-TOTAL</b>	<b>15'194</b>	<b>17</b>	<b>221</b>	<b>15'432</b>	<b>3'215</b>	<b>18'647</b>
Electricity Emissions and Teleheating	Electricity	0	0	0	126'045	42'015	168'060
	Teleheating	110'115	586	425	111'125	8'355	119'480
	<b>SUB - TOTAL</b>	<b>110'115</b>	<b>586</b>	<b>425</b>	<b>237'170</b>	<b>50'370</b>	<b>287'650</b>
Oil Emissions	Oil	19'053	21	1'686	20'760	3'902	24'662
	<b>SUB - TOTAL</b>	<b>19'053</b>	<b>21</b>	<b>1'686</b>	<b>20'760</b>	<b>3'902</b>	<b>24'662</b>
Other Fuel Consumption	Diesel for trucks	159'279	36	1'258	160'572	34'710	195'282
	Diesel for busses	39'820	9	314	40'143	8'678	48'821
	Diesel for business trips	2'230	1	18	2'248	486	2'734
	Petrol for business trips	6'600	18	11	6'631	2'987	9'618
	<b>SUB-TOTAL</b>	<b>207'928</b>	<b>65</b>	<b>65</b>	<b>209'592</b>	<b>46'860</b>	<b>256'454</b>
Hotel Nights	Hotel Nights	0	0	0	183'223	0	183'223
	<b>SUB - TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>183'223</b>	<b>0</b>	<b>183'223</b>

DEFRA-Faktoren 2016:

Air Travel Emissions: gemäss DEFRA-Faktoren 2016

Folgende Unterteilung der Fugdistanzen wurde vorgenommen: bis 600 km Domestic, von 601 - 3400 km short haul, ab 3401 km long haul RF=1.9

Air Freight Emissions: gemäss DEFRA-Faktoren 2016

Fuel Deliveries: gemäss DEFRA-Faktoren 2016

Miscellaneous Fuel Emissions: gemäss DEFRA-Faktoren 2016

Groundtransfer Freight Emissions: gemäss DEFRA-Faktoren 2016

Groundtransfer Passenger Emissions: gemäss Methodik-Bericht von Carbon-Connect, 2015

Electricity Emissions and Teleheating: Annahme: Elektrizität 20 g CO<sub>2</sub>-eq/kWh (analog zu 2015), Teleheating gem. DEFRA-Faktoren 2016 & Bericht 2015

Oil Emissions: gem. DEFRA-Faktoren 2016

Other Fuel Consumption: gem. DEFRA-Faktoren 2016

Hotel-Nights: 33.38 kg CO<sub>2</sub>-eq / Nacht (analog zu 2015)

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2016>