

Direct and indirect greenhouse gas emissions (GHG emissions) of Commerzbank AG

t CO <sub>2</sub> equivalents	2014		2015		2016	
	AG Germany <sup>1</sup>	AG abroad	AG Germany <sup>1</sup>	AG abroad	AG Germany <sup>1</sup>	AG abroad
Scope 1: Direct GHG emissions						
Energy supply	23,491	1,267	23,267	1,536	23,088	1,457
Natural gas	23,005	1,068	22,853	1,335	21,536	1,367
Heating oil <sup>2</sup>	381	171	303	180	1,433	48
Diesel for back-up power	105	28	111	21	119	42
Business travel (company car) <sup>3</sup>	17,114	265	14,227	362	16,981	354
Bank vehicles <sup>4</sup>	15,938	146	13,095	255	15,898	252
Pool vehicles	1,177	119	1,132	107	1,083	102
Coolant and extinguishing agent losses <sup>5</sup>	762	-	689	-	465	-
Coolant	762	-	688	-	465	-
Fire extinguishing agent	0	-	1	-	0	-
Total Scope 1	41,368	1,532	38,183	1,898	40,534	1,811
Total Scope 1 AG	42,900		40,081		42,345	
Scope 2: Indirect GHG emissions						
Energy supply	6,940	8,152	10,883	6,271	9,487	5,503
Electricity	0	8,041	0	6,069	0	5,224
District heating	6,940	111	10,883	202	9,487	279
Total Scope 2	6,940	8,152	10,883	6,271	9,487	5,503
Total Scope 2 AG	15,093		17,154		14,990	
Scope 3: Other indirect GHG emissions						
Paper consumption	6,158	385	5,980	388	5,877	164
Energy supply	10,250	3,185	11,295	2,059	10,524	1,859
Natural gas (in upstream and downstream emissions)	6,249	290	6,672	390	6,288	399
Heating oil (in upstream and downstream emissions)	71	32	55	32	260	8
Diesel back-up power (in upstream and downstream emissions)	19	5	20	4	22	8
District heating (in upstream and downstream emissions)	1,338	21	3,071	57	2,677	79
Electricity from renewable energies (pre-products and conversion losses)	2,573	2,837	1,477	1,576	1,277	1,365
Business travel with indirect impact	16,177	7,676	15,074	6,556	15,089	4,937
Air travel	4,920	7,391	4,632	6,122	3,724	4,542
Rail travel	157	67	762	66	662	75
Greenhouse gas emissions of up- and downstream emissions from direct road traffic <sup>3, 4</sup>	7,994	121	6,648	272	7,933	266
Business trips with indirect impact	3,106	97	3,032	96	2,770	54
Logistic journeys <sup>5</sup>	4,674	-	4,955	-	4,750	-
Commuting travel <sup>6</sup>	29,775	-	34,168	-	32,429	-
Water	388	27	335	51	304	27
Waste disposal <sup>7</sup>	220	316	210	206	155	410
Total Scope 3	67,642	11,589	72,017	9,260	69,128	7,397
Total Scope 3 AG	79,231		81,277		76,525	
Total overall (Scope 1, 2, 3)	115,950	21,274	121,083	17,429	119,149	14,711
Total overall (Scope 1, 2, 3 + AG)	137,224		138,512		133,860	

<sup>1</sup> Commerzbank AG Germany without subsidiaries since 2016.

<sup>2</sup> Increase of heating oil consumption of Commerzbank AG Germany due to improved data pool (measurements instead of extrapolation).

<sup>3</sup> The vehicle fleet service provider adjusted the reported mileage of 2015 in the mid of 2016. The resulting increase of 5,624 t of CO<sub>2</sub>-emissions were immediately compensated.

<sup>4</sup> The business share of the total mileage of the Bank's business fleet in 2016 were taken account of with 54.03 percent.

<sup>5</sup> No data available for Commerzbank AG branches outside Germany.

<sup>6</sup> Decrease of Scope 3 emissions of commuting traffic results statistically and correlates with the decline of Commerzbank's full-time employees. Commuting traffic of Commerzbank AG outside Germany was not determined because the statistical data pool applies in Germany only.

<sup>7</sup> Reduction due to decline of waste amounts derived from construction projects.