

Greenhouse Gas Emissions VAUDE Premises 2017 German Headquarters										
Year	2017									
				SCOPE 1	SCOPE 2	SCOPE 3	Source	Change in consumption from the previous year	Change in emissions from the previous year	
	Unit	Value								Reference Year Data
General Operating Data										
Number of employees (without apprentices)	[Personen]	553						4,5%		2017
Number of work days per year (per full-time position)	[Arbeitstage]	220						0,0%	-	2017
Operational space	[m2]	23.008						0,0%	-	2017
Page views of VAUDE Websites										
	Unit	Value	THG							
Total		24.508.000	102,88			102,88			-1,6%	
		Amount	GHG							Reference Year Data
Energy	Unit	[kWh]	[t CO2e]							
Green energy (Label in Commentfeld angeben) Vaude-Str. 2	[kWh]	469.020	6,89			6,89	ecoinvent 2.2 electricity, low voltage, certified electricity, at grid	25,3%	25,3%	2017
Green energy, Siggenweilerstr. 25	[kWh]	65.418	0,96			0,96	ecoinvent 2.2, electricity, low voltage, certified electricity, at grid	6,2%	6,2%	2017
Company-generated, consumed energy VAUDE Str.	[kWh]	196.621	2,89			2,89		-12,5%	-12,5%	2017
Energy consumption, Manufaktur	[kWh]	0	0,00				EnBW-company mix:322g CO2/kWh, plus surcharge of 20% for provision of infrastructure		-100,0%	2017

Heating oil	[kWh]	0	0,00				ecoinvent 2.2: light fuel oil, burned in boiler			2017
Biogas, Vaude Str. 2	[kWh]	1.173.387	37,55		1,18	36,37	myclimate calculation based on ecoinvent 2.2	16,2%	16,2%	2017
Nathural gas, Vaude Str. 2	[kWh]	0	0,00				ecoinvent 2.2, Exergie / heat, at cogen with biogas engine, allocation exergy			2017
Biogas, Siggenweilerstr. 25	[kWh]	97038	3,11		0,10	3,01	myclimate- eigene Berechnung auf Basis von ecoinvent 2.2		165,8%	2017
Natural gas, Siggenweilerstr. 25	[kWh]	0	0,00				ecoinvent 2.2, Exergie / heat, at cogen with biogas engine, allocation exergy			2017
Heating energy, Amtzell (Gas)	[kWh]	0	0,00	0,00		0,00	ecoinvent 2.2, Exergie / heat, at cogen with biogas engine, allocation exergy			2016
Total		2.001.483,98	51,40	0,00	1,28	50,12		5,7%	-37,9%	
Wasser										
Water consumption, Vaude Str. 2	[m3]	2.438	0,78			0,78	ecoinvent 2.2, tap water, at user RER	14,2%	14,2%	2017
Water consumption, Siggenweilerstr. 25	[m3]	377	0,12			0,12	ecoinvent 2.2, tap water, at user RER	-6,5%	-6,5%	2017
Rain water consumption	[m3]	261	0,00			0,00	-	13,5%		2017
Total		2.815	0,90			0,90		+10,9%	+10,9%	
	Distance	Fuel Consumption	GHG							Reference Year Data
	[km]	[L petrol/diesel resp. kg gas resp. kWh]	[t CO2e]							

Business travel and commuting company owned vehicles							ecoinvent 2.2, company, passenger car petrol, fleet average RER 2010 + Infrastructure: ecoinvent 2.2: transport, passenger car, petrol, fleet average, RER, [pkm]; without emissions from fuel			
	Distance		GHG							Reference Year Data
	[km]	Liter	[t CO2e]							
Passenger cars, petrol		2.829	10,30	6,8		3,5	ecoinvent 2.2: transport, passenger car, petrol, fleet average, RER, [pkm]; without emissions from fuel	-37,1%	-37,1%	2017
Passenger cars, diesel		193.938	765,67	517,8		247,9	ecoinvent 2.2: transport, passenger car, diesel, fleet average 2010, RER, [pkm]; without emissions from fuel	15,4%	15,4%	2017
Passenger cars, liquid petroleum gas (LPG)	kg	660 kg	5,64	3,0		2,7	IPCC 2006 + ecoinvent 2.2: transport, passenger car, natural gas	-16,7%	-16,7%	2017
Total	0,0	197.427,2	781,6	527,6		254,0		13,9%	13,8%	
	Distanz		THG							Reference Year Data
	[km]		[t CO2e]							
Commuting and business travel with other vehicles	[km]		[t CO2e]							
Commuting	42.906		0,41			0,41	ecoinvent 2.2 transport, bike	-5,2%	-5,2%	2017

By foot / bicycle	1.943		0,20			0,20	ecoinvent 2.2, transport, regular bus	+2%	0,2%	2017
Bus										2017
Passenger cars. 5 - 8 L / 100 km	1.625.092		471,26			471,26	ecoinvent 2.2 transport, car	+31,9%	31,9%	2017
Total	1.669.941		471,87			471,87		+30,5%	+31,8%	
Business travel (excl. deliveries)										
Train/Tram	46.656		3,18			3,18	ecoinvent 2.2, average of transport, high speed train, DE, [pkm] + transport, average train, DE	+2,1%	2,1%	
Air	845.782		166,05			166,05	myc internal flight calculator (Dokumentation: http://www.myclimate.org/fileadmin/myc/files_myc_perf/12_flight_calculator_documentation_EN.pdf)	-21,6%	-21,3%	
Total	892.438,00		169,23			169,23		-20,6%	-21,0%	
		Amount	GHG							Reference Year Data
		Unit	[t CO2e]							
Consumables										
Paper consumption recycling	[t]	15,87	13,01			13,01	ecoinvent 2.2, Papier, Recycling-, ohne Deinking, ab Werk	0,3%	0,3%	2017
Toner	[Stück]	131	1,30			1,30	ecoinvent 2.2, toner module, laser jet, b/w, at plant, GLO [unit]	18,0%	18,0%	2017
Anzahl ersetzte/neu gekaufte Desktop Computer	[Stück]	1	0,27			0,27	ecoinvent 2.2: desktop computer, without screen			2017
Number of replaced/new monitors	[Stück]	16	5,38			5,38	ecoinvent 2.2: LCD flat screen, 17 inches	-86,4%	-86,4%	2017

Number of replaced/new laptops	[Stück]	59	12,37			12,37	ecoinvent 2.2: laptop computer	-3,3%	-3,3%	2017
Number of replaced/new printers	[Stück]	12	0,80			0,80	ecoinvent 2.2: printer, laser jet	-29,4%	-29,4%	2017
Anzahl ersetzte/neu gekaufte Server	[Stück]	0	0,00			0,00	ecoinvent 2.2: desktop computer,			2017
PC mouse	[Stück]	52	0,26			0,26	ecoinvent 2.2: mouse device, optical, with cable, at plant	20,9%	20,9%	2017
Smartphones	[Stück]	28	0,60			0,60	ecoinvent 2.2: desktop computer, without screen, at plant, GLO, estimation: specific weight	7,7%	7,7%	2017
Docking-Station	[Stück]	1	0,03			0,03	ecoinvent 2.2: desktop computer, without screen, at plant, GLO, estimation: specific weight			2017
Interne Festplatten		165	2,03			2,03	ecoinvent 2.2: HDD, laptop computer, at plant, specific weight			
Scanner	[Stück]	1	0,10			0,10	ecoinvent 2.2: desktop computer, without screen, at plant, GLO, estimation: specific weight	-		2017
Smartphones	[Stück]	10	0,41			0,41	iPhone 4 nach Apple, ohne Nutzung	-70,6%	-70,6%	2017
Keyboards	[Stück]	31	0,80			0,80	ecoinvent 2.2: keyboard, standard version, at plant	-34,0%	-34,0%	2017
Total			37,43			37,43		-48,5%	-48,5%	
Printed materials, third-party (flyers, compa										
on fresh fiber paper	[t]	0,08	0,22			0,22	myc data, based on print sector solution	-77,3%	-77,3%	2017

Waste [t] (residual waste only)	[t]	35,0	1,70			1,70	ecoinvent 2.2, disposal, municipal waste, 22.9% water, refuse incineration	-88,6%	-88,6%	2017
Waste water, Vaude Str. 2 [m3]	[m³]	2.699	1,05			1,05	ecoinvent 2.2, treatment, sewage, to wastewater treatment, class 3	14,1%	14,1%	2017
Waste water, Siggenweilerstr. 25 [m3]	[m³]	377	0,15			0,15	ecoinvent 2.2, treatment, sewage, to wastewater treatment, class 3	-6,5%	-6,5%	2017
Total			2,9	0,0	0,0	2,9		-81,9%	-81,9%	
	Value		GHG							Reference Year Data
			[t CO2e]							
Hotel accommodation										
Hotel accommodation 2*-hotels	449		4,49			4,49	myc data, estimation based on hotel sector solution	-2,6%	-2,6%	2017
Hotel accommodation in 3*-hotels	346		6,92			6,92	myc data, estimation based on hotel sector solution	150,7%	150,7%	2017
Hotel accommodation in 4*-hotels	297		14,85			14,85	myc data, estimation based on hotel sector solution	77,8%	77,8%	2017
Hotel accommodation in 5*-hotels	41		1,23			1,23	myc data, estimation based on hotel sector solution	583,3%	583,3%	2017
Total	1.133		27,49			27,49		+46,8%	+72,9%	-
	Weight per year	total GHG	GHG							Reference Year Data
	[t]	[t CO2e]	[t CO2e]							
Deliveries										
	[t]	[t CO2e]	[t CO2e]							
Truck freight 16 - 32t		513,08	23,47			513,08	emissions report various logistics providers	+12,9%	12,9%	2017
Ocean freight		10,23	0,47			10,23	emissions report various logistics providers	+37,1%	37,1%	2017

Air freight		81,76	3,74			81,76	emissions report various logistics providers	+16,4%	16,4%	2017
Total		606,54	27,67			606,54		+14,0%	14,0%	
Deliveries	Weight per year	Total GHG	GHG							Reference year data
	[t]	[t CO2e]	[t CO2e]							
Truck freight 16 - 32t		42,7	1,95			42,7	ecoinvent 2.2, transport, lorry 16-32t, EURO4, as well as emissions reports from various logistics providers	+23,6%	23,6%	2017
Rail freight Europe		27,86	1,27			27,9	emissions report from various logistics	+12,6%	12,6%	2017
Ocean freight		183,6	8,40			183,6	emissions reports from various logistics providers	+27,7%	27,7%	2017
Air freight		553,7	25,32			553,7	emissions reports from various logistics providers	-59,5%	-59,5%	2017
Total		807,8	36,9	0,0	0,0	807,8		-48,5%	-48,5%	
Total Emissionen (t CO2e)				5.051,6	527,57	1,28	4522,81		2,8%	
% per Scope				100,0	10%	0%	90%			
minus transport emissions (goods not produced in OEB)				-1.349,7			-1.349,7			
Total emissions Obereisenbach headquarters (t CO2e)				3.701,9	527,57	1,28	3.173,1		27,9%	
Total CO2 compensation				3.701,9					27,9%	