



Inventory of Emissions

Banco Sabadell 2017

[Environmental sustainability](#)

Banco Sabadell has a long-term mission and approach also about sustainability. This is why Banco Sabadell has an environmental policy in place, is a signatory to the main international covenants on the environment and promotes a commitment to the environment globally.

The environment policy pursues the following objectives:

- Minimize the potential environmental impacts of processes, facilities and services.
- Effectively manage the environmental risks and opportunities inherent in the business.
- Promote a global commitment to the environment.

Banco Sabadell is a signatory to the Carbon Disclosure Project (CDP) and has adopted the commitment to combat climate change. In 2015, it was set a new goal of reducing CO₂ emissions by 3% between 2015 and 2020. To achieve this, each year the bank will implement energy efficiency measures at its facilities and in its services. This policy is particularly relevant with regard to procuring electricity from renewable sources, which resulted in a 99.83% decline in scope 2 emissions with respect to 2014.

Banco Sabadell has an environmental management system (EMS) which was set up in 2006 in accordance with the ISO 14001:2004 standard and has been certified for six Central Services buildings. 15.41% of employees in Spain work in one of the six certified Central Service buildings. In parallel, the EMS has been progressively adapted to the bank's other workplaces in Spain.

Year after year, Banco Sabadell works to improve the eco-efficiency of its facilities and reduce the environmental impacts of the services it provides to customers.

T1 Inventory of emissions

Tons of CO ₂	2017	2016	2015	2014
Scope 1: fuel and fleet	763	648	600	552
Scope 2: electricity consumption	22	54	3,321	12,890
Scope 3: Business trips	3,337	3,477	3,862	3,143
Total	4,122	4,179	7,783	16,585
Total per employee	0.2	0.5	0.5	1.0

Inventory of emissions in accordance with "The GHG Protocol. A Corporate Accounting Standard, revised edition", using the operational control and centralised roll-up methods.

National scope data.

SCOPES DETAILED

Scope 1

T2 Scope 1 detailed	2017	Base Unit	Factor de Emisión	Unidad Fuente Emisión	Fuente de Emisión	2017 (tn CO ₂)	2016 (tn CO ₂)	2015 (tn CO ₂)
Gasoil consumption	276	GJ	74.10	ton CO ₂ /TJ	Spain, Inventory Report GEI 1990-2015 (2017)	20.46	14.29	22.56
Fuel consumption (*)	10	GJ	69.30	ton CO ₂ /TJ	EMISSION FACTORS, REGISTRATION OF CARBON FOOTPRINT, OFFSET AND CARBON DIOXIDE ABSORPTION PROJECTS. Ministry of agriculture and fisheries, food and environment. July 2017	0.69	-	-
Propane gas consumption	52	GJ	63.10	ton CO ₂ /TJ	Spain, Inventory Report GEI 1990-2015 (2017)	3.28	2.62	3.37
Natural gas consumption	10,552	GJ	56.10	ton CO ₂ /TJ	Spain, Inventory Report GEI 1990-2015 (2017)	591.96	461.59	347.36
Company vehicle fleet (**)	914	Thousand Km	0.16	kg CO ₂ /P.km	DEFRA 2017 (Government GHG Conversion Factors for Company Reporting)	146.28	169.20	226.42
Total Scope 1: fuel and fleet						762.67	647.70	599.71
Total per employee						0.05	0.04	0.04

(*) In this exercise, the fuel consumption has been added in relation to mobile offices.

(**) The data refers to business trips, not to commutes.

National scope data.

Scope 2

Banco Sabadell promotes initiatives that involve a reduction in energy consumption as use low wattage lamps and billboard lighting systems with daylight switching systems, lights with presence detectors and LED bulbs or "thin client" computers which consume 90% less energy.

T3 Scope 2 detailed	2017	Base Unit	GJ	Emission Factor	Emission Source Unit	Source Unit	2017 (tn CO ₂)	2016 (tn CO ₂)	2015 (tn CO ₂)
Electricity delivered by Nexus Renovables	82,764	Mwh	297,951	0.00	kg CO ₂ /kwh	Certificate with origin 100% renewable for Banco Sabadell issued by Nexus Energia, SA	0.00	0.00	0.00
Electricity delivered by Iberdrola Generación (*)	0	Mwh	0	0.15	kg CO ₂ /kwh	Spain's National Energy Commission "REPORT ON ELECTRICITY GUARANTEES OF ORIGIN AND LABELLING FOR 2016"	0.00	0.62	3,283.67
Electricity delivered by others	60	Mwh	216	0.36	kg CO ₂ /kwh	Spain's National Energy Commission "REPORT ON ELECTRICITY GUARANTEES OF ORIGIN AND LABELLING FOR 2016"	21.65	53.62	37.28
Total Scope 2: electricity consumption	82,824	Mwh	298,167 GJ				21.65	54.24	3,320.95
Total per employee:							0.001	0.003	0.197

(*) At this exercise the supply of electricity with Iberdrola Generación has not been removed. National scope data.

The total consumption of electricity in Spain for the year 2017 has reached the 82.824 MWh from 89.808 MWh in 2016. Note that, in this exercise, the total power consumption of the Bank with renewable sources has been a 99.96%, thanks mainly to continue with the recruitment of renewable Nexus that supplied, with guarantee of origin 100% renewable, 99,93% of total the electricity consumed by the Bank.

T4 Source of acquired electricity

Energy Source	2017		Breakdown of the distribution in %	
	Distribution in BS		Nexus Renovables (99.93%)	Other generic generators (0.07%)
	GJ	%		
Renewables	298,036.867	99.956 %	100.000 %	39.800 %
High-efficiency cogeneration	1.732	0.001 %	0.000 %	0.800 %
Cogeneration	19.484	0.007 %	0.000 %	9.000 %
Natural gas-fired combined cycle	24.030	0.008 %	0.000 %	11.100 %
Coal-fired	30.741	0.010 %	0.000 %	14.200 %
Oil/gas-fired	5.629	0.002 %	0.000 %	2.600 %
Nuclear	46.112	0.015 %	0.000 %	21.300 %
Other	2.598	0.001 %	0.000 %	1.200 %
Total	298,167 GJ	100%	297,951 GJ	216 GJ

In 2017, Banco Sabadell acquired 99.93% of its electricity from NEXUS RENOVABLES, S.L, and the other 0.07% from other generic generators. This breakdown is based on the "Report on electricity guarantees of origin and abelling for 2016" published by Spain's National Energy Commission and the certificate with origin 100% renewable for Banco Sabadell issued by Nexus Energia, SA.

National scope data.

Scope 3

The Group also encourages videoconferencing for meetings and one-on-ones, and the use of virtual learning communities and lengthening stays destination instead separate trips.

For GEI emissions calculation, the bank distinguishes between journeys of more than 500 km and less than 500 Km.

T5 Scope 3 detailed	2017	Base Unit	Emission Factor	Emission Source Unit	Source Unit	2017 (tn CO ₂)	2016 (tn CO ₂)	2015 (tn CO ₂)
Short plane trips	5,823	Thousand Km	0.12	kg CO ₂ /P.km	DEFRA 2017 (Government GHG Conversion Factors for Company Reporting)	698.74	719.05	869.53
Long plane trips	9,440	Thousand Km	0.09	kg CO ₂ /P.km	DEFRA 2017 (Government GHG Conversion Factors for Company Reporting)	849.61	926.15	996.59
Train trips	7,767	Thousand Km	0.02	kg CO ₂ /P.km	Renfe CSR Report 2015	186.41	138.36	109.14
Vehicle trips (except company vehicles)	10,017	Thousand Km	0.16	kg CO ₂ /P.km	DEFRA 2017 (Government GHG Conversion Factors for Company Reporting)	1,602.71	1,693.15	1,885.90
Total Scope 3: thousand Km of business trips						3,337.47	3,476.71	3,862.17
Total per employee						0.20	0.21	0.23

The data refers to business trips, not to commutes.

Includes trips by plane, train, private vehicles and the group fleet.

National scope data.

The information in this report refers to the Group's activity in Spain during 2017 and complete the corporate emissions inventory table information included in Corporate Social Responsibility Policy Report 2017 published in the website Group. This publication includes the independent limited assurance report issued by PricewaterhouseCoopers Auditors, S.L. of certain CSR key indicators, in accordance to ISAE 3000 (Revised), taking in consideration some indicators like CO₂ emissions and energetic consumption, among others.