

# CARBON FOOTPRINT REPORT

In total our location-based emissions are 5,445 tCO<sub>2</sub>e (UK average emission factors) and our market-based emissions are 2,368 tCO<sub>2</sub>e (taking into account our purchase of electricity from

**TABLE 1—LOCATION-BASED CARBON FOOTPRINT (tCO<sub>2</sub>e<sup>1</sup>)**

YBS carbon emissions 2012-2020 (in tCO<sub>2</sub>e<sup>1</sup>) calculated using the location-based methodology as verified by Ricardo AEA Limited.

Scope 1	2012	2013	2014	2015	2016	2017	2018	2019	2020
Natural gas and diesel consumption*	1,466	1,480	1,315	1,290	1,233	1,133	1,235	1,019	1,556
Delivery vehicles fuel consumption	- <sup>2</sup>	-	-	-	-	-	-	9	1
Company and hire cars fuel consumption	196	223	344	441	523	444	403	262	71
Refrigerant gases	-	-	-	-	-	-	-	-	2
<b>Total scope 1</b>	<b>1,662</b>	<b>1,703</b>	<b>1,659</b>	<b>1,731</b>	<b>1,756</b>	<b>1,577</b>	<b>1,638</b>	<b>1,290</b>	<b>1,630</b>
Scope 2	2012	2013	2014	2015	2016	2017	2018	2019	2020
Electricity consumption	7,868	8,076	8,439	7,465	6,530	5,190	4,064	3,051	2,803
Company cars electricity consumption	-	-	-	-	-	-	-	-	0*
<b>Total scope 2</b>	<b>7,868</b>	<b>8,076</b>	<b>8,439</b>	<b>7,465</b>	<b>6,530</b>	<b>5,190</b>	<b>4,064</b>	<b>3,051</b>	<b>2,803</b>
Scope 3	2012	2013	2014	2015	2016	2017	2018	2019	2020
Transmission and distribution—Electricity consumption	622	691	738	616	591	485	347	259	241
Transmission and distribution—Electric cars	-	-	-	-	-	-	-	-	0*
Business Travel—Aviation (includes RF Factors)**	-	-	-	37	34	31	56	82	11
Business Travel—Rail	-	-	-	104	106	91	78	80	18
Business Travel—Cars	-	-	-	121	221	124	84	84	33
Business Travel—Hotel	-	-	-	-	-	-	-	77	13
Water supply and treatment	28	39	39	42	33	34	42	33	29
Waste disposal—Recycling	-	-	-	-	-	-	-	6	5
Waste disposal—Recovery ***	-	-	-	15	17	12	45	2	3
Waste disposal—Landfill	-	-	-	5	9	11	3	-	1
Waste disposal—Food waste	-	-	-	-	-	-	-	-	0*
Well-to-tank—Natural gas and diesel	-	-	-	-	-	-	-	137	206
Well-to-tank—Electricity transmission and distribution	-	-	-	-	-	-	-	36	33
Well-to-tank—Electricity generation	-	-	-	-	-	-	-	-	387
Well-to-tank—Delivery vehicles	-	-	-	-	-	-	-	2	0*
Well-to-tank—Aviation (includes RF Factors)**	-	-	-	-	-	-	-	9	1
Well-to-tank—Rail	-	-	-	-	-	-	-	15	4
Well-to-tank—Cars	-	-	-	-	-	-	-	88	27
<b>Total scope 3</b>	<b>650</b>	<b>730</b>	<b>777</b>	<b>940</b>	<b>1,011</b>	<b>788</b>	<b>655</b>	<b>912</b>	<b>1,012</b>
<b>Total carbon footprint</b>	<b>10,180</b>	<b>10,509</b>	<b>10,875</b>	<b>10,136</b>	<b>9,297</b>	<b>7,555</b>	<b>6,357</b>	<b>5,253</b>	<b>5,445</b>

<sup>1</sup> Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) is a measure that allows the comparison of emissions from other greenhouse gases relative to one unit of CO<sub>2</sub>. It is calculated by multiplying the greenhouse gas' emissions by its 100-year global warming potential.

<sup>2</sup> In Table 1 and 2 <sup>-</sup> denotes no data available, '0' represents 0 carbon footprint, '0\*' indicates smaller than 1.

**TABLE 2—MARKET-BASED CARBON FOOTPRINT (tCO<sub>2</sub>e<sup>1</sup>)**

YBS carbon emissions 2012-2020 (in tCO<sub>2</sub>e<sup>1</sup>) calculated using the market-based methodology as verified by Ricardo AEA Limited. Market-based emissions were not calculated for 2012-2014, therefore the location-based methodology is used for those years.

Scope 1	2012	2013	2014	2015	2016	2017	2018	2019	2020
Natural gas and diesel consumption*	1,466	1,480	1,315	1,290	1,233	1,133	1,235	1,019	1,556
Delivery vehicles fuel consumption	-	-	-	-	-	-	-	9	1
Company and hire cars fuel consumption	196	223	344	441	523	444	403	262	71
Refrigerant gases	-	-	-	-	-	-	-	-	2
<b>Total scope 1</b>	<b>1,662</b>	<b>1,703</b>	<b>1,659</b>	<b>1,731</b>	<b>1,756</b>	<b>1,577</b>	<b>1,638</b>	<b>1,290</b>	<b>1,630</b>
Scope 2	2012	2013	2014	2015	2016	2017	2018	2019	2020
Electricity consumption	7,868	8,076	8,439	0****	0****	0****	0****	0****	0****
Company cars electricity consumption	-	-	-	-	-	-	-	-	0*
<b>Total scope 2</b>	<b>7,868</b>	<b>8,076</b>	<b>8,439</b>	<b>0****</b>	<b>0****</b>	<b>0****</b>	<b>0****</b>	<b>0****</b>	<b>0*</b>
Scope 3	2012	2013	2014	2015	2016	2017	2018	2019	2020
Transmission and distribution—Electricity consumption	622	691	738	0****	0****	0****	0****	0****	0****
Transmission and distribution—Electric cars	-	-	-	-	-	-	-	-	0*
Business Travel—Aviation (includes RF Factors)**	-	-	-	37	34	31	56	82	11
Business Travel—Rail	-	-	-	104	106	91	78	80	18
Business Travel—Cars	-	-	-	121	221	124	84	84	33
Business Travel—Hotel	-	-	-	-	-	-	-	77	13
Water supply and treatment	28	39	39	42	33	34	42	33	29
Waste disposal—Recycling	-	-	-	-	-	-	-	6	5
Waste disposal—Recovery ***	-	-	-	15	17	12	45	2	3
Waste disposal—Landfill	-	-	-	5	9	11	3	0	1
Waste disposal—Food waste	-	-	-	-	-	-	-	-	0*
Well-to-tank—Natural gas and diesel	-	-	-	-	-	-	-	137	206
Well-to-tank—Electricity transmission and distribution	-	-	-	-	-	-	-	36	-
Well-to-tank—Electricity generation	-	-	-	-	-	-	-	-	387
Well-to-tank—Delivery vehicles	-	-	-	-	-	-	-	2	0*
Well-to-tank—Aviation (includes RF Factors)**	-	-	-	-	-	-	-	9	1
Well-to-tank—Rail	-	-	-	-	-	-	-	15	4
Well-to-tank—Cars	-	-	-	-	-	-	-	88	27
<b>Total scope 3</b>	<b>650</b>	<b>730</b>	<b>777</b>	<b>324</b>	<b>420</b>	<b>303</b>	<b>308</b>	<b>653</b>	<b>739</b>
<b>Total carbon footprint</b>	<b>10,180</b>	<b>10,509</b>	<b>10,875</b>	<b>2,055</b>	<b>2,176</b>	<b>1,880</b>	<b>1,946</b>	<b>1,943</b>	<b>2,369</b>

\* Diesel was only used as generators fuel in 2019. Radiative forcing (RF) is a measure of the additional environmental impact of aviation

\*\* These include emissions of nitrous oxides and water vapour when emitted at high altitude

\*\*\* 2012-2018 figures included recovery and recycling data

\*\*\*\* Zero due to the purchase of green electricity

# CARBON FOOTPRINT REPORT

Yorkshire Building Society documents its energy usages and emission intensity ratios in line with the requirements of Streamlined Energy and Carbon Reporting (SECR).

**TABLE 3—INCOME INTENSITY RATIOS OF ENERGY USAGE AND EMISSIONS**

YBS income intensity ratios 2020 (in tCO<sub>2</sub>e<sup>1</sup> /£m) calculated using the location-based and market-based methodology as verified by Ricardo AEA Limited.

Income intensity ratio	Income	GHC Emissions	Intensity ratio
	£m	tCO <sub>2</sub> e	tCO <sub>2</sub> e/£m
Location-based methodology	450	5,445	12.1
Market-based methodology		2,368	5.3

**TABLE 4—INCOME INTENSITY RATIOS OF ENERGY USAGE AND EMISSIONS**

YBS colleague intensity ratios 2020 (in tCO<sub>2</sub>e<sup>1</sup> /person) calculated using the location-based and market-based methodology as verified by Ricardo AEA Limited.

Income intensity ratio	Colleague numbers	GHC Emissions	Intensity ratio
	person	tCO <sub>2</sub> e	tCO <sub>2</sub> e/person
Location-based methodology	4,623	5,445	1.2
Market-based methodology		2,368	0.5