

Summary UK Paper Mills EU ETS Emissions

UK Paper Mills in EU ETS (inc those in UK opt-out scheme*)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Free allocation to mills & associated third party CHP (inc opted-out mills)	3,600,340	3,410,422	3,265,326	3,041,639	3,259,663	1,613,677	1,504,514	1,526,380	1,210,182	1,194,176	1,186,426	1,167,977	-1.56 % free allocation 2019 v 2018
Total emissions all mills & third party CHP (inc opted-out mills)	3,194,886	2,613,115	2,320,225	2,248,357	2,332,015	2,138,879	1,852,918	1,703,888	1,645,392	1,663,184	1,675,822	1,622,664	-3.17 % 2019 vs 2018 emissions
Shortfall in allowance	-405,454	-797,307	-945,101	-793,282	-927,648	525,202	348,404	177,508	435,210	469,008	489,396	454,687	(- = excess of allowances over emissions)
Shortfall	0.13	0.31	0.41	0.35	0.40	-0.25	-0.19	-0.10	-0.26	-0.28	-0.29	-0.28	(+ = surplus)
Production data (as published by CPI)	5,007,960	4,317,619	4,324,996	4,367,073	4,504,655	4,561,296	4,396,909	3,969,904	3,677,681	3,857,615	3,894,217	3,850,862	-1.11 % production 2019 vs 2018
EU ETS - Direct site emissions of fossil CO2 per tonne of paper produced	0.64	0.61	0.54	0.51	0.52	0.47	0.42	0.43	0.45	0.43	0.43	0.42	-23.11 % production 2019 vs 2008

CPI data plus 25k 2008-12 to include moulded pulp to match ETS coverage

*Excludes six small mills below EU ETS threshold