Supplementary Table 1: Carbon Emission Factor Table

project	unit	Subdivision term	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
generate electricity	tCO2/tce	coal	2.730	2.657	2.656	2.759	2.656	2.784	2.789	2.810	2.878	2.938	2.951
		petroleum products	2.111	2.274	2.141	2.097	2.116	2.085	2.106	2.080	1.971	2.058	2.049
		natural gas	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628
		heating power	2.906	2.916	-	2.967	2.998	3.107	3.190	3.278	3.745	3.662	3.705
		power	-	-	-	-	-	-	-	-	-	-	-
		Other energy sources	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
supply heat	tCO2/tce	coal	2.783	2.656	2.657	2.680	2.834	2.824	2.818	2.824	2.791	2.788	2.766
		petroleum products	2.002	2.273	2.078	1.994	1.967	1.956	1.959	1.926	1.934	1.922	2.021
		natural gas	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628
		heating power	-	-	-	-	-	-	-	-	-	-	-
		power	-	-	-	-	-	-	-	-	-	-	-
		Other energy sources	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other transformations	tCO2/tce	coal	8.137	0.165	-4.646	8.864	8.042	7.885	7.858	7.320	7.333	7.260	7.277
		petroleum products	1.222	1.250	1.448	1.515	1.688	1.722	1.893	2.037	2.483	2.356	2.088
		natural gas	-	-	-	-	0.477	0.829	1.157	-	-	0.881	-14.920
		heating power	2.906	2.906	2.906	2.906	2.906	2.906	2.906	2.906	2.906	2.906	2.906
		power	-	-	-	-	-	-	-	-	-	-	-
		Other energy sources	-	-	-	-	-	-	-	-	-	-	-
Loss 2	tCO2/tce	coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		petroleum products	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		natural gas	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		heating power	3.072	3.031	3.157	3.118	3.312	3.399	3.309	3.400	3.919	3.827	3.873
		power	5.869	5.995	5.864	6.028	5.227	5.554	5.515	5.490	5.430	5.479	5.246
		Other energy sources	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000