

Statistics of the Register of Guarantees of Origin, Germany - 2017

status: 31.12.2018; please take notice of the
explanation in the German table

				2017								
Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy		Production			Transaction					
				Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire
T020001	F01050100	Mechanical/ other	Wind - onshore	30.987	8.747	22.172	10.390	496.803	1.148.713	67.623	2.142.971	11.943
T020002	F01050100	Mechanical/ other	Wind - offshore	0	0	0	0	37.631	578.019	73.316	702.416	0
T020000	F01050100	Mechanical/ other	Wind - unknown	11.114	11.090	0	8.442	157.526	121.131	40.404	102.157	393
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	13.034.995	10.840.518	21.883	11.499.757	41.530.141	86.875.102	4.690.258	80.380.705	1.360.662
T010000, 0100	F01040100	Heat	Solar	1.861	1.566	158	2.126	4.192	109.745	22.507	170.883	146
T050302	F01040200	Heat	Geothermal, condensation turbine	0	0	0	0	97.500	726.959	15.001	1.492.673	0
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	1.756.743	1.005.651	5.033	2.804.940	946.577	979.972	1.660.472	1.071.678	50.393
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste	0	0	0	0	0	0	0	0	0
T050000	F01010201	Biomass	Solid - industrial & commercial waste	0	0	0	0	0	0	0	45.413	0
T050000	F01030100	Biomass	Gas - landfill	0	0	0	0	0	0	0	0	0
T050000	F01030200	Biomass	Gas - sewage	279	258	13	740	0	740	0	0	0
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas	0	0	0	0	634	8.867	129.308	451.092	0
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)	0	0	0	0	2.600	27.600	0	91.046	0
T050000	F01020200	Biomass	Liquid - black liquor	0	0	0	0	186.766	186.766	0	186.766	0
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	2.186.401	1.493.760	0	2.021.413	838.183	975.522	1.066.113	467.342	352.467
				17.022.380	13.361.590	49.259	16.347.808	44.298.553	91.739.136	7.765.002	87.305.142	1.776.004

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	3.095	384	2.705	5.477	112.952	488.374	14.240	358.377	976
T020002	F01050100	Mechanical/ other	Wind - offshore					1.956	5.993		86.216	
T020000	F01050100	Mechanical/ other	Wind - unknown	536	534		6.506	114.285	106.528			
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	647.071	591.714	685	1.748.534	8.653.129	22.679.145	957.271	17.730.839	141.491
T010000, 0100	F01040100	Heat	Solar	42	18	9	808	3.287	82.371		3.000	1
T050302	F01040200	Heat	Geothermal, condensation turbine					15.000	101.706		95.000	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	131.443	89.910	1.482	1.075.506	163.414	171.831	353.048	117.975	5.555
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	66	59	7	39		39			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas								634	
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)								2.600	
T050000	F01020200	Biomass	Liquid - black liquor								186.766	
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	194.877	95.499		134.567	77.324	164.218	25.423		6.754
				977.130	778.118	4.888	2.971.437	9.141.347	23.800.205	1.349.982	18.581.407	154.777

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	3.437	391	3.039	26	79.148	61.472	33.716	134.198	22
T020002	F01050100	Mechanical/ other	Wind - offshore					12.421	12.643	3.992	24.262	
T020000	F01050100	Mechanical/ other	Wind - unknown	838	837			40.000	8.061	40.404	13.127	
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	797.550	774.325	885	990.810	2.451.395	8.077.002	648.640	8.984.959	109.343
T010000, 0100	F01040100	Heat	Solar	69	62		23	243	23.748	12.257	9.134	
T050302	F01040200	Heat	Geothermal, condensation turbine						4.330		184.424	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	133.097	97.701		463.437	129.228	54.528	221.095	273.681	10.897
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	34	27	6	390		390			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)									
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	173.943	127.843		34.029	50.384	46.382	94.468	34.200	23.427
				1.108.968	1.001.186	3.930	1.488.715	2.762.819	8.288.556	1.054.572	9.657.985	143.689

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	3.610	486	3.121	1.565	86.968	105.625		10.584	2.165
T020002	F01050100	Mechanical/ other	Wind - offshore						422.737		400.000	
T020000	F01050100	Mechanical/ other	Wind - unknown	666	665				3.362			
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.182.121	1.138.267	1.154	484.841	7.298.856	20.080.243	377.445	5.602.334	89.914
T010000, 0100	F01040100	Heat	Solar	141	132		225	60	89			
T050302	F01040200	Heat	Geothermal, condensation turbine					75.000	106.187		80.500	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	139.415	88.750	3.551	76.917	49.950	85.252	309.914	46.178	
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	51	50		131		131			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)									
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	193.733	127.382		226.520	84.420	14.921	16.017		14.586
				1.519.737	1.355.732	7.826	790.199	7.595.254	20.818.547	703.376	6.139.596	106.665

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	3.034	528	2.501	1.307	1.459	58.729	158	125.131	146
T020002	F01050100	Mechanical/ other	Wind - offshore						70.551		4.400	
T020000	F01050100	Mechanical/ other	Wind - unknown	859	858		30	30	2.891			
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	949.865	916.393	1.088	865.602	3.519.517	12.586.165	702.971	1.225.378	83.422
T010000, 0100	F01040100	Heat	Solar	179	166		244	202	324			91
T050302	F01040200	Heat	Geothermal, condensation turbine					7.500	212.257			
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	144.165	53.377		69.939	151.544	360.720	17.000		5
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	52	52							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas							198	198	
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)									
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	186.838	146.948		318.841	22.943	147.039	317.067	300.000	13.385
				1.284.992	1.118.322	3.589	1.255.963	3.703.195	13.438.676	1.037.394	1.655.107	97.049

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	2.045	467	1.569	174	25.087	30.775		130.417	1.643
T020002	F01050100	Mechanical/ other	Wind - offshore						17.555		31.724	
T020000	F01050100	Mechanical/ other	Wind - unknown	554	553				110			
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.297.062	1.243.358	8.268	135.908	1.011.576	6.399.230	150.653	2.359.223	115.952
T010000, 0100	F01040100	Heat	Solar	240	228				50			51
T050302	F01040200	Heat	Geothermal, condensation turbine						19.616		115.466	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	130.338	103.147		86.892	49.344	36.400	113.496	20	
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	12	10							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas								8.233	
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)									
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	168.330	134.646		156.557	8.406	74.798	94.953		36.743
				1.598.581	1.482.409	9.837	379.531	1.094.413	6.578.534	359.102	2.645.083	154.389

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	2.338	453	1.885	12	151	43.260		44.170	1.128
T020002	F01050100	Mechanical/ other	Wind - offshore					19.419	22.403		19.619	
T020000	F01050100	Mechanical/ other	Wind - unknown	570	568		4	4	4			
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.109.211	1.054.859	1.148	325.440	672.520	4.121.962	212.522	1.875.397	49.257
T010000, 0100	F01040100	Heat	Solar	254	247			15	451	249	1.901	
T050302	F01040200	Heat	Geothermal, condensation turbine						20.016	15.000		
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	140.543	92.020		164.274	48.925	105.570	20.000	2.191	18.477
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	5	5							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas					634	1.896	1	91.562	
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)					2.600	2.600		7.274	
T050000	F01020200	Biomass	Liquid - black liquor					186.766	186.766			
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	172.777	139.671		147.262	32.903	170.887	43.462	18.001	35.193
				1.425.698	1.287.823	3.033	636.992	963.937	4.675.815	291.234	2.060.115	104.055

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	2.134	400	1.728			4.360		84.000	
T020002	F01050100	Mechanical/ other	Wind - offshore						4.928		19.190	
T020000	F01050100	Mechanical/ other	Wind - unknown	457	455							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.171.443	889.192	1.798	2.331.377	551.566	2.536.473	337.480	2.691.421	196.713
T010000, 0100	F01040100	Heat	Solar	281	216	55		1	1.414		29	
T050302	F01040200	Heat	Geothermal, condensation turbine						141.000		410.873	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	158.141	99.911		73.938	12.202		10.000	363.149	
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste								45.413	
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	8	8							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas								193.527	
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)								7.911	
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	181.453	114.030		50.781	37.669	21.785	45.253	18.000	36.501
				1.513.917	1.104.212	3.581	2.456.096	601.438	2.709.960	392.733	3.833.513	233.214

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	1.547	391	1.151		43.588	61.530	141	252.237	
T020002	F01050100	Mechanical/ other	Wind - offshore						18.956		750	
T020000	F01050100	Mechanical/ other	Wind - unknown	512	511							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.247.094	922.794		1.781.250	2.704.305	1.648.644	301.662	5.186.978	109.651
T010000, 0100	F01040100	Heat	Solar	228	178	39		10	143			
T050302	F01040200	Heat	Geothermal, condensation turbine						10.864			
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	165.355	96.888		175.323	7.139	19.349			
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	11	9							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas						1.178			
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)						25.000		61.000	
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	179.916	129.963		95.091	29.054	105.212	42.402	21.393	37.660
				1.594.663	1.150.734	1.190	2.051.664	2.784.096	1.890.876	344.205	5.522.358	147.311

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	2.512	389	2.119		125.472	42.533	7.637	323.002	73
T020002	F01050100	Mechanical/ other	Wind - offshore					2.190		2.190	30.757	
T020000	F01050100	Mechanical/ other	Wind - unknown	863	861				173			
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.212.791	934.072		843.646	4.945.529	3.014.882	265.181	6.521.269	76.221
T010000, 0100	F01040100	Heat	Solar	203	152	32		100	31		61.489	1
T050302	F01040200	Heat	Geothermal, condensation turbine						95.579	1	8.805	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	161.748	66.325		200.107	16.480	11.163	16.480	22.876	3.313
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	7	7							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas						5.793			
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)								11.124	
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	171.003	133.758		188.286	92.295	143.068	11.815		29.443
				1.549.127	1.135.564	2.151	1.232.039	5.182.066	3.313.222	303.304	6.979.322	109.051

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			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	2.865	952	1.906	101	10.099	18.903		111.764	152
T020002	F01050100	Mechanical/ other	Wind - offshore						63	7.134	19.998	
T020000	F01050100	Mechanical/ other	Wind - unknown	1.766	1.762		364	3.153			1.557	
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.049.601	763.076	60	435.157	2.093.144	1.739.651	168.480	2.220.347	93.803
T010000, 0100	F01040100	Heat	Solar	94	62	23	19	20	54	1	55	1
T050302	F01040200	Heat	Geothermal, condensation turbine						8.804			
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	162.110	96.584		64.171	104.126	38.423	120.000		6.227
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	7	6							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)									
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	180.874	120.239		197.936	25.006	44.206	11.079	12.544	35.857
				1.397.317	982.681	1.989	697.748	2.235.548	1.850.104	306.694	2.366.265	136.040

Statistics of the Register of Guarantees of Origin, Germany - 2017

status: 31.12.2018; please take notice of the
explanation in the German table

Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy	Nov									
			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	2.393	1.938	448	1.017	8.409	131.701		189.841	
T020002	F01050100	Mechanical/ other	Wind - offshore					1.645	545	60.000	5.500	
T020000	F01050100	Mechanical/ other	Wind - unknown	1.722	1.719		20	20				393
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.186.374	781.338	3.975	945.299	2.701.566	481.132	161.651	6.330.504	175.781
T010000, 0100	F01040100	Heat	Solar	76	65		153	153				
T050302	F01040200	Heat	Geothermal, condensation turbine						6.600		431.110	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	141.512	70.590		145.090	25.858	51.497		147.061	3.075
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	14	13							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas								24.324	
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)								1.137	
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	191.369	117.855		22.053	112.902	7.363	5.162	8.601	45.731
				1.523.460	973.518	4.423	1.113.632	2.850.553	678.838	226.813	7.138.078	224.980

Statistics of the Register of Guarantees of Origin, Germany - 2017

status: 31.12.2018; please take notice of the
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Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy	Dec									
			Production			Transaction						
			Issue	Cancel	Ex- pire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	1.977	1.968		711	3.470	101.451	11.731	379.250	5.638
T020002	F01050100	Mechanical/ other	Wind - offshore						1.645		60.000	
T020000	F01050100	Mechanical/ other	Wind - unknown	1.771	1.767		1.518	34	2		87.473	
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.184.812	831.130	2.822	611.893	4.927.038	3.510.573	406.302	19.652.056	119.114
T010000, 0100	F01040100	Heat	Solar	54	40		654	101	1.070	10.000	95.275	1
T050302	F01040200	Heat	Geothermal, condensation turbine								166.495	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For&Ag,bp&w)	148.876	50.448		209.346	188.367	45.239	479.439	98.547	2.844
T050000, 0200, 0202	F01010302	Biomass	Solid - forestry by- products & waste									
T050000	F01010201	Biomass	Solid - industrial & commercial waste									
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	12	12		180		180			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas							129.109	132.614	
T050000	F01020000	Biomass	Liquid - renewable fuels (inc. Mun.waste)									
T050000	F01020200	Biomass	Liquid - black liquor									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	191.288	105.926		449.490	264.877	35.643	359.012	54.603	37.187
				1.528.790	991.291	2.822	1.273.792	5.383.887	3.695.803	1.395.593	20.726.313	164.784

source: Umweltbundesamt status: 31.12.2018