



EECS Rules Fact Sheet 5

TYPES OF ENERGY INPUTS AND TECHNOLOGIES

The attached tables set out the permissible energy inputs and technologies.

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TYPES OF ENERGY INPUTS AND TECHNOLOGIES

TECHNOLOGY

Level 1		Level 2		Level 3		Full code
Code	Description	Code	Description	Code	Description	
1	Solar	0	Unspecified	0	Unspecified	T010000
		1	Photovoltaic	0	Unspecified	T010100
				1	Classic silicon	T010101
		2	Concentration	2	Thin film	T010102
2	Wind	0	Unspecified	0	Unspecified	T010200
				0	Unspecified	T020000
				1	Onshore	T020001
3	Hydro-electric head installations	0	Unspecified	2	Offshore	T020002
				0	Unspecified	T030000
				0	Unspecified	T030100
				0	Unspecified	T030200
				0	Unspecified	T030300
4	Marine	0	Unspecified	0	Unspecified	T030400
				0	Unspecified	T040000
				0	Unspecified	T040100
				1	Onshore	T040101
		1	Tidal	2	Offshore	T040102
				0	Unspecified	T040200
				1	Onshore	T040201
				2	Offshore	T040202
		2	Wave	0	Unspecified	T040300
				0	Unspecified	T040400
5	Thermal	3	Currents	0	Unspecified	T050000
		4	Pressure	0	Unspecified	T050100
		0	Unspecified	1	Non CHP	T050101
				2	CHP	T050102
				0	Unspecified	T050200
		1	Combined cycle gas turbine with heat recovery	1	Non CHP	T050201
				2	CHP	T050202
		2	Steam turbine with back-pressure turbine (open cycle)	0	Unspecified	T050300
				1	Non CHP	T050301
		3	Steam turbine with condensation turbine (closed cycle)	2	CHP	T050302
				0	Unspecified	T050400
		4	Gas turbine with heat recovery	1	Non CHP	T050401
				2	CHP	T050402

TYPES OF ENERGY INPUTS AND TECHNOLOGIES

Level 1		Level 2		Level 3		
Code	Description	Code	Description	Code	Description	Full code
		5	Internal combustion engine	0	Unspecified	T050500
				1	Non CHP	T050501
				2	CHP	T050502
		6	Micro-turbine	0	Unspecified	T050600
				1	Non CHP	T050601
				2	CHP	T050602
		7	Stirling engine	0	Unspecified	T050700
				1	Non CHP	T050701
				2	CHP	T050702
		8	Fuel cell	0	Unspecified	T050800
				1	Non CHP	T050801
				2	CHP	T050802
		9	Steam engine	0	Unspecified	T050900
				1	Non CHP	T050901
				2	CHP	T050902
		10	Organic rankine cycle	0	Unspecified	T051000
				1	Non CHP	T051001
				2	CHP	T051002
6	Nuclear	0	Unspecified	0	Unspecified	T060000
		1	Heavy-water reactor	0	Unspecified	T060100
		2	Light water reactor	0	Unspecified	T060200
		3	Breeder	0	Unspecified	T060300
		4	Graphite reactor	0	Unspecified	T060400
7	Other	0	Unspecified	0	Unspecified	T070000

TYPES OF ENERGY INPUTS AND TECHNOLOGIES

FUEL (or heat source)

Level 1		Level 2		Level 3		Level 4			
Code	Description	Code	Description	Code	Description	Code	Description	Full code	CO ₂ Kg/GJ ¹
0	Unspecified	0	Unspecified	0	Unspecified	0	Unspecified	F00000000	0
1	Renewable	0	Unspecified	0	Unspecified	0	Unspecified	F01000000	0
		1	Solid	0	Unspecified	0	Unspecified	F01010000	0
				0	Unspecified	0	Unspecified	F01010000	0
				1	Municipal waste	1	Biogenic	F01010101	0
				2	Industrial and commercial waste	1	Biogenic	F01010201	0
				3	Wood	0	Unspecified	F01010300	0
						1	Forestry products	F01010301	0
						2	Forestry by-products & waste	F01010302	0
				4	Animal fats	0	Unspecified	F01010400	0
				5	Biomass from agriculture	0	Unspecified	F01010500	0
						1	Agricultural products	F01010501	0
						2	Agricultural by-products & waste	F01010502	0
		2	Liquid	0	Unspecified	0	Unspecified	F01020000	0
				1	Municipal biodegradable waste	0	Unspecified	F01020100	0
				2	Black liquor	0	Unspecified	F01020200	0
				3	Pure plant oil	0	Unspecified	F01020300	0
						1	Rapeseed (Brassica napus L.)	F01020301	0
						2	Sunflower (Helianthus annuus L.)	F01020302	0
						3	Oil palm (Elaeis guineensis Jacq.)	F01020303	0
						4	Coconut (Cocos nucifera L.)	F01020304	0
						5	Yatropha	F01020305	0
				4	Waste plant oil	0	Unspecified	F01020400	0
				5	Refined vegetable oil	0	Unspecified	F01020500	0
				5	Refined vegetable oil	1	Biodiesel (mono-alkyl ester)	F01020501	0
				5	Refined vegetable oil	2	Biogasoline (C6-C12 hydrocarbon)	F01020502	0
		3	Gaseous	0	Unspecified	0	Unspecified	F01030000	0
				1	Landfill gas	0	Unspecified	F01030100	0
				2	Sewage gas	0	Unspecified	F01030200	0
				3	Agricultural gas	0	Unspecified	F01030300	0

¹ This reflects the IPCC statistics where these exist for an energy source, and otherwise the Dutch table of standard CO₂ emission factors for energy production

TYPES OF ENERGY INPUTS AND TECHNOLOGIES

Level 1		Level 2		Level 3		Level 4			
Code	Description	Code	Description	Code	Description	Code	Description	Full code	CO ₂ Kg/GJ ¹
						1	Pig manure	F01030301	0
						2	Cow manure	F01030302	0
						3	Chicken manure	F01030303	0
						4	Unspecified manure	F01030304	0
						5	Energy crops	F01030305	0
		4	Heat	4	Gas from organic waste digestion	0	Unspecified	F01030400	0
				5	Process gas	1	Biogenic	F01030501	0
				1	Solar	0	Unspecified	F01040100	0
				2	Geothermal	0	Unspecified	F01040200	0
						1	Conventional geothermal heat	F01040201	0
						2	Enhanced dry bed geothermal heat	F01040202	0
						3	Aerothermal	F01040300	0
						4	Hydrothermal	F01040400	0
						5	Process heat	F01040501	0
		5	Mechanical source or other	0	Unspecified	0	Unspecified	F01050000	0
				1	Wind	0	Unspecified	F01050100	0
				2	Hydro & marine	0	Unspecified	F01050200	0
2	Fossil	0	Unspecified	0	Unspecified	0	Unspecified	F02000000	247.4
		1	Solid	0	Unspecified	0	Unspecified	F02010000	111.9
				1	Hard coal	0	Unspecified	F02010100	111.9
						1	Anthracite	F02010101	98.3
						2	Bituminous coal	F02010102	94.7
						3	Coking coal	F02010103	94
						4	Coke-oven coke	F02010104	111.9
						5	Lignite coke	F02010105	111.9
				2	Brown coal	0	Unspecified	F02010200	106
						1	Sub-bituminous coal	F02010201	96.1
						2	Lignite	F02010202	101.2
						3	Brown coal briquette	F02010203	94.6
						4	Peat briquette	F02010204	106
						0	Unspecified	F02010300	106
				3	Peat	0	Unspecified	F02010300	106
				4	Municipal waste	0	Unspecified	F02010400	73.6
				5	Industrial and commercial waste	0	Unspecified	F02010500	73.6

TYPES OF ENERGY INPUTS AND TECHNOLOGIES

Level 1		Level 2		Level 3		Level 4			
Code	Description	Code	Description	Code	Description	Code	Description	Full code	CO ₂ Kg/GJ ¹
		2	Liquid	5		1	Non-renewable	F02010501	73.6
				0	Unspecified	0	Unspecified	F02020000	100.8
				1	Crude oil	0	Unspecified	F02020100	73.3
				2	Natural gas liquids (NGL)	1	Shale oil	F02020101	73.3
				3	Petroleum products	0	Unspecified	F02020200	63.1
						0	Unspecified	F02020300	77.4
						1	Ethane	F02020301	61.6
						2	Naphtha	F02020302	73.3
						3	Aviation gasoline	F02020303	72
						4	Motor gasoline	F02020304	72
						5	Aviation turbine fuel	F02020305	71.5
						6	Other kerosene	F02020306	71.9
						7	Gas/diesel oil	F02020307	74.3
						8	Fuel oil, low-sulphur	F02020308	74.3
						9	Fuel oil, high-sulphur	F02020309	77.4
						10	Liquid Petroleum Gas	F02020310	66.7
						11	Orimulsion	F02020311	80.7
						12	Bitumen	F02020312	80.7
						13	Lubricants	F02020313	73.3
						14	Petroleum coke	F02020314	100.8
						15	Refinery Feedstock	F02020315	73.3
		3	Gaseous	0	Unspecified	0	Unspecified	F02030000	247.4
				1	Natural gas	0	Unspecified	F02030100	56.1
				2	Coal-derived gas	0	Unspecified	F02030200	247.4
						1	Blast furnace gas	F02030201	247.4
						2	Coke-oven gas	F02030202	41.2
				3	Petroleum products	0	Unspecified	F02030300	73.7
						1	Propane	F02030301	73.7
						2	Butane	F02030302	73.7
						3	Refinery gas	F02030303	66.7
						4	Chemical waste gas	F02030304	66.7
				4	Municipal gas plant	0	Unspecified	F02030400	User spec'd
				5	Process gas	0	Unspecified	F02030500	191.9
						1	Carbon monoxide	F02030501	155.2

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Level 1		Level 2		Level 3		Level 4			
Code	Description	Code	Description	Code	Description	Code	Description	Full code	CO ₂ Kg/GJ ¹
						2	Methane	F02030502	54.9
						3	Hydrogen (fossil sourced)	F02030503	56.1
						4	Phosphor gas	F02030504	149.5
						5	Oxy gas	F02030505	191.9
		4	Heat	0	Unspecified	0	Unspecified	F02040000	User spec'd
						1	Non-renewable	F02040001	
				1	Process heat	0	Unspecified	F02040100	
						1	Non-renewable	F02040101	
						0	Unspecified	F03010100	
						1	UOX	F03010101	
3	Nuclear	1	Solid	1	Radioactive fuel	2	AGR	F03010102	0
						3	MOX	F03010103	0

Cross-reference from new to old (PRO Fact Sheet 5 Release 5v3) codes

tech code	technology	cross-ref to old FS5	fuel code	fuel	cross-ref to old FS5	loss of information	Cross-ref impossible
T010000	Solar/	-			96		
T010100	Solar/Photovoltaics/	03	F01040100	/	03		
T010101	Solar/Photovoltaics/Classic silicon	-			03	y	
T010102	Solar/Photovoltaics/Thin film	-			03	y	
T010200	Solar/Concentration/	04	F01040100	Renewable/Heat/Solar/	04		
T020000	Wind/	-			97		y
T020001	Wind/Onshore	01	F01050100	Renewable/Mechanical source or other/Wind/	01		
T020002	Wind/Offshore	02	F01050100	Renewable/Mechanical source or other/Wind/	02		
T030000	Hydro-electric head installations/	05	F01050200	Renewable/Mechanical source or other/Hydro & marine/	05		
T030100	Hydro-electric head installations/Run-of-river head installation/	-			05	y	
T030200	Hydro-electric head installations/Storage head installation/	-			05	y	
T030300	Hydro-electric head installations/Pure pumped storage head installation/	-			05	y	



TYPES OF ENERGY INPUTS AND TECHNOLOGIES

tech code	technology	cross-ref to old FS5	fuel code	fuel	cross-ref to old FS5	loss of information	Cross-ref impossible
T030400	Hydro-electric head installations/Mixed pumped storage head/	-			05	y	
T040000	Marine/	-			98		
T040100	Marine/Tidal/	-			98	y	
T040101	Marine/Tidal/Onshore	06	F01050200	Renewable/Mechanical source or other/Hydro & marine/	06		
T040102	Marine/Tidal/Offshore	07	F01050200	Renewable/Mechanical source or other/Hydro & marine/	07		
T040200	Marine/Wave/	-			98	y	
T040201	Marine/Wave/Onshore	08	F01050200	Renewable/Mechanical source or other/Hydro & marine/	08		
T040202	Marine/Wave/Offshore	09	F01050200	Renewable/Mechanical source or other/Hydro & marine/	09		
T040300	Marine/Currents/	-			98	y	
T040400	Marine/Pressure/	-			98	y	
T050000	Thermal/	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89	F01010000	Renewable/Solid/	99	?	
			F01010000	Renewable/Solid/	99	y	
			F01010101	Renewable/Solid/Municipal waste/Biogenic	22		
			F01010201	Renewable/Solid/Industrial and commercial waste/Biogenic	23		
			F01010300	Renewable/Solid/Wood/	99	y	
			F01010301	Renewable/Solid/Wood/Forestry products	18		
			F01010302	Renewable/Solid/Wood/Forestry by-products & waste	19		
			F01010400	Renewable/Solid/Animal fats/	99	y	
			F01010500	Renewable/Solid/Biomass from agriculture/	99	y	
			F01010501	Renewable/Solid/Biomass from	20		



TYPES OF ENERGY INPUTS AND TECHNOLOGIES

tech code	technology	cross-ref to old FS5	fuel code	fuel	cross-ref to old FS5	loss of information	Cross-ref impossible
				agriculture/Agricultural products			
			F01010502	Renewable/Solid/Biomass from agriculture/Agricultural by-products & waste	21		
			F01020000	Renewable/Liquid/	24		
			F01020100	Renewable/Liquid/Municipal biodegradable waste/	25		
			F01020200	Renewable/Liquid/Black liquor/	26	y	
			F01020300	Renewable/Liquid/Pure plant oil/	24	y	
			F01020301	Renewable/Liquid/Pure plant oil/Rapeseed (Brassica napus L.)	24	y	
			F01020302	Renewable/Liquid/Pure plant oil/Sunflower (Helianthus annuus L.)	24	y	
			F01020303	Renewable/Liquid/Pure plant oil/Oil palm (Elaeis guineensis Jacq.)	24	y	
			F01020304	Renewable/Liquid/Pure plant oil/Coconut (Cocos nucifera L.)	24	y	
			F01020305	Renewable/Liquid/Pure plant oil/Yatropha	24	y	
			F01020400	Renewable/Liquid/Waste plant oil/	26	y	
			F01020500	Renewable/Liquid/Refined vegetable oil/	24	y	
			F01020501	Renewable/Liquid/Refined vegetable oil/Biodiesel (mono-alkyl ester)	24	y	
			F01020502	Renewable/Liquid/Refined vegetable oil/Biogasoline (C6-C12 hydrocarbon)	24	y	
			F01030000	Renewable/Gaseous/	99	y	
			F01030100	Renewable/Gaseous/Landfill gas/	27		
			F01030200	Renewable/Gaseous/Sewage gas/	28		
			F01030300	Renewable/Gaseous/Agricultural gas/	29		
			F01030301	Renewable/Gaseous/Agricultural gas/Pig manure	29	y	
			F01030302	Renewable/Gaseous/Agricultural gas/Cow manure	29	y	
			F01030303	Renewable/Gaseous/Agricultural gas/Chicken manure	29	y	
			F01030304	Renewable/Gaseous/Agricultural gas/Unspecified manure	29	y	
			F01030305	Renewable/Gaseous/Agricultural gas/Energy crops	29	y	
			F01030400	Renewable/Gaseous/Gas from organic waste digestion/	99	y	
			F01030501	Renewable/Gaseous/Process gas/Biogenic	99	y	
			F01040200	Renewable/Heat/Geothermal/	10		
			F01040201	Renewable/Heat/Geothermal/Conventional	10	y	



TYPES OF ENERGY INPUTS AND TECHNOLOGIES

tech code	technology	cross-ref to old FS5	fuel code	fuel	cross-ref to old FS5	loss of information	Cross-ref impossible
				geothermal heat			
			F01040202	Renewable/Heat/Geothermal/Enhanced dry bed geothermal heat	10	y	
			F01040300	Renewable/Heat/Aerothermal/	99	y	
			F01040400	Renewable/Heat/Hydrothermal/	99	y	
			F01040501	Renewable/Heat/Process heat/Biogenic	99	y	
			F01050000	Renewable/Mechanical source or other/	99	y	
			F02010000	Fossil/Solid/	94	y	
			F02010100	Fossil/Solid/Hard coal/	94	y	
			F02010101	Fossil/Solid/Hard coal/Anthracite	50		
			F02010102	Fossil/Solid/Hard coal/Bituminous coal	54		
			F02010103	Fossil/Solid/Hard coal/Coking coal	51		
			F02010104	Fossil/Solid/Hard coal/Coke-oven coke	57		
			F02010105	Fossil/Solid/Hard coal/Lignite coke	94	y	
			F02010200	Fossil/Solid/Brown coal/	94	y	
			F02010201	Fossil/Solid/Brown coal/Sub-bituminous coal	55		
			F02010202	Fossil/Solid/Brown coal/Lignite	59		
			F02010203	Fossil/Solid/Brown coal/Brown coal briquette	56		
			F02010204	Fossil/Solid/Brown coal/Peat briquette	60		
			F02010300	Fossil/Solid/Peat/	94	y	
			F02010400	Fossil/Solid/Municipal waste/	94	y	
			F02010500	Fossil/Solid/Industrial and commercial waste/	89		
			F02010501	Fossil/Solid/Industrial and commercial waste/Non-renewable	89	y	
			F02020000	Fossil/Liquid/	88		
			F02020100	Fossil/Liquid/Crude oil/	73		
			F02020101	Fossil/Liquid/Crude oil/Shale oil	58, 79		
			F02020200	Fossil/Liquid/Natural gas liquids (NGL)/	75		
			F02020300	Fossil/Liquid/Petroleum products/	94	y	
			F02020301	Fossil/Liquid/Petroleum products/Ethane	80		
			F02020302	Fossil/Liquid/Petroleum products/Naphta	81		
			F02020303	Fossil/Liquid/Petroleum products/Aviation gasoline	94	y	
			F02020304	Fossil/Liquid/Petroleum products/Motor gasoline	76		
			F02020305	Fossil/Liquid/Petroleum products/Aviation turbine fuel	77		
			F02020306	Fossil/Liquid/Petroleum products/Other kerosene	78		
			F02020307	Fossil/Liquid/Petroleum products/Gas/diesel	70		



TYPES OF ENERGY INPUTS AND TECHNOLOGIES

tech code	technology	cross-ref to old FS5	fuel code	fuel	cross-ref to old FS5	loss of information	Cross-ref impossible
				oil			
			F02020308	Fossil/Liquid/Petroleum products/Fuel oil, low-sulphur	94	y	
			F02020309	Fossil/Liquid/Petroleum products/Fuel oil, high-sulphur	71		
			F02020310	Fossil/Liquid/Petroleum products/Liquid Petroleum Gas	72		
			F02020311	Fossil/Liquid/Petroleum products/Orimulsion	74		
			F02020312	Fossil/Liquid/Petroleum products/Bitumen	82		
			F02020313	Fossil/Liquid/Petroleum products/Lubricants	83		
			F02020314	Fossil/Liquid/Petroleum products/Petroleum coke	84		
			F02020315	Fossil/Liquid/Petroleum products/Refinery Feedstocks	85		
			F02030000	Fossil/Gaseous/	94	y	
			F02030100	Fossil/Gaseous/Natural gas/	61		
			F02030200	Fossil/Gaseous/Coal-derived gas/	94	y	
			F02030201	Fossil/Gaseous/Coal-derived gas/Blast furnace gas	67		
			F02030202	Fossil/Gaseous/Coal-derived gas/Coke-oven gas	68		
			F02030300	Fossil/Gaseous/Petroleum products/	94	y	
			F02030301	Fossil/Gaseous/Petroleum products/Propane	94	y	
			F02030302	Fossil/Gaseous/Petroleum products/Butane	94	Y	
			F02030303	Fossil/Gaseous/Petroleum products/Refinery gas	86		
			F02030304	Fossil/Gaseous/Petroleum products/Chemical waste gas	87		
			F02030400	Fossil/Gaseous/Municipal gas plant/	94	y	
			F02030500	Fossil/Gaseous/Process gas/	94	y	
			F02030501	Fossil/Gaseous/Process gas/Carbon monoxide	62		
			F02030502	Fossil/Gaseous/Process gas/Methane	63		
			F02030503	Fossil/Gaseous/Process gas/Hydrogen (fossil sourced)	64		
			F02030504	Fossil/Gaseous/Process gas/Phosphor gas	65		
			F02030505	Fossil/Gaseous/Process gas/Oxy gas	66		
			F02040000	Fossil/Heat/Process heat/	94	Y	
			F02040101	Fossil/Heat/Process heat/Non-renewable	94	Y	
T050100	Thermal/Combined cycle gas turbine with heat recovery/	As T050000				y	
T050101	Thermal/Combined cycle gas turbine with heat	(Thermal/)				y	



TYPES OF ENERGY INPUTS AND TECHNOLOGIES

tech code	technology	cross-ref to old FS5	fuel code	fuel	cross-ref to old FS5	loss of information	Cross-ref impossible
	recovery/Non CHP						
T050102	Thermal/Combined cycle gas turbine with heat recovery/CHP					y	
T050200	Thermal/Steam turbine with back-pressure turbine (open cycle)/					y	
T050201	Thermal/Steam turbine with back-pressure turbine (open cycle)/Non CHP					y	
T050202	Thermal/Steam turbine with back-pressure turbine (open cycle)/CHP					y	
T050300	Thermal/Steam turbine with condensation turbine (closed cycle)/					y	
T050301	Thermal/Steam turbine with condensation turbine (closed cycle)/Non CHP					y	
T050302	Thermal/Steam turbine with condensation turbine (closed cycle)/CHP					y	
T050400	Thermal/Gas turbine with heat recovery/					y	
T050401	Thermal/Gas turbine with heat recovery/Non CHP					y	
T050402	Thermal/Gas turbine with heat recovery/CHP					y	
T050500	Thermal/Internal combustion engine/					y	
T050501	Thermal/Internal combustion engine/Non CHP					y	
T050502	Thermal/Internal combustion engine/CHP					y	
T050600	Thermal/Micro-turbine/					y	
T050601	Thermal/Micro-turbine/Non CHP					y	
T050602	Thermal/Micro-turbine/CHP					y	
T050700	Thermal/Stirling engine/					y	
T050701	Thermal/Stirling engine/Non CHP					y	
T050702	Thermal/Stirling engine/CHP					y	
T050800	Thermal/Fuel cell/					y	
T050801	Thermal/Fuel cell/Non CHP					y	
T050802	Thermal/Fuel cell/CHP					y	
T050900	Thermal/Steam engine/					y	
T050901	Thermal/Steam engine/Non CHP					y	
T050902	Thermal/Steam engine/CHP					y	
T051000	Thermal/Organic rankine cycle/					y	
T051001	Thermal/Organic rankine cycle/Non CHP					y	
T051002	Thermal/Organic rankine cycle/CHP					y	
T060000	Nuclear/		F03010100	Nuclear/Solid/Radioactive fuel/			
T060100	Nuclear/Heavy-water reactor/	90			90	y	
T060200	Nuclear/Light water reactor/					y	
T060300	Nuclear/Breeder/					y	
T060400	Nuclear/Graphite reactor/					y	



TYPES OF ENERGY INPUTS AND TECHNOLOGIES

tech code	technology	cross-ref to old FS5	fuel code	fuel	cross-ref to old FS5	loss of information	Cross-ref impossible
			F03010101	Nuclear/Solid/Radioactive fuel/UOX		y	
			F03010102	Nuclear/Solid/Radioactive fuel/AGR		y	
			F03010103	Nuclear/Solid/Radioactive fuel/MOX		y	
T070000	Other/	95	F00000000	/	95		

TYPES OF ENERGY INPUTS AND TECHNOLOGIES

Cross-reference from old (PRO Fact Sheet 5 Release 5v3) to new codes

Old format (v5.3) code	Old Source/technology Type	New technology code	New fuel code
01	Wind onshore	T020001	F01050100
02	Wind offshore	T020002	F01050100
03	Solar photovoltaic	T010100	F01040100
04	Solar thermal	T010200	F01040100
05	Hydropower	T030000	F01050200
06	Tidal onshore	T040101	F01050200
07	Tidal offshore	T040102	F01050200
08	Wave onshore	T040201	F01050200
09	Wave offshore	T040202	F01050200
10	Geothermal	T050000	F01040200
11	Energy crops	T050000	F01010501
12	Forestry and agricultural by-products and waste	T050000	F01010000
13	Landfill gas	T050000	F01030100
14	Sewage gas	T050000	F01030200
15	Biogas Other	T050000	F01030000
16	Municipal solid waste	T050000	F01010101
17	Industrial by-products & commercial waste	T050000	F01010201
18	Solid Forestry products	T050000	F01010301
19	Solid Forestry by-products and waste	T050000	F01010302
20	Solid Agricultural products	T050000	F01010501
21	Solid Agricultural by-products and waste	T050000	F01010502
22	Solid Municipal biodegradable waste	T050000	F01010101
23	Solid Industrial and commercial biodegradable waste	T050000	F01010201
24	Liquid Biofuels	T050000	F01020000
25	Liquid Municipal biodegradable waste	T050000	F01020100
26	Liquid Industrial and commercial biodegradable waste	T050000	F01020200
27	Biogas Landfill	T050000	F01030100
28	Biogas Sewage	T050000	F01030200
29	Biogas Other	T050000	F01030000
30	Wood fuels	T050000	F01010300
31	Solid (biodegradable) waste & agricultural biomass	T050000	F01010000
32	Liquid biodegradable waste (black liquor etc.)	T050000	F01020200
33	Liquid biofuels (Vegetable oils, biodiesel, bio-ethanol, bio-crude-oil etc)	T050000	F01020000
34	Biogas Landfill	T050000	F01030000
50	Fossil – Anthracite	T050000	F02010101
51	Fossil - Coking coal	T050000	F02010103

TYPES OF ENERGY INPUTS AND TECHNOLOGIES

52	Fossil - Coking coal (used in a coke oven)	T050000	F02010104
53	Fossil - Coking coal (used in a blast furnace)	T050000	F02010103
54	Fossil - Other bituminous coal	T050000	F02010102
55	Fossil - Sub-bituminous coal	T050000	F02010201
56	Fossil - BKB and Patent Fuel	T050000	F02010203
57	Fossil - Coke Oven / Gas Coke	T050000	F02010104
58	Fossil - Oil shale	T050000	F02020101
59	Fossil - Lignite / lignite briquettes	T050000	F02010202
60	Fossil - Peat / peat briquettes	T050000	F02010204
61	Fossil - Natural gas	T050000	F02030100
62	Fossil - Carbon monoxide	T050000	F02030501
63	Fossil - Methane	T050000	F02030502
64	Fossil - Hydrogen (fossil sourced)	T050000	F02030503
65	Fossil - Phosphor gas	T050000	F02030504
66	Fossil - Oxy gas	T050000	F02030505
67	Fossil - Blast furnace gas	T050000	F02030201
68	Fossil - Coke oven gas	T050000	F02030202
69	Fossil - Refinery gas, hydrogen (fossil sourced)	T050000	F02030503
70	Fossil - Oil - gas/diesel	T050000	F02020307
71	Fossil - Oil - residual fuel oil	T050000	F02020309
72	Fossil - Oil - LPG	T050000	F02020310
73	Fossil - Oil - Crude oil	T050000	F02020100
74	Fossil - Oil - Orimulsion	T050000	F02020311
75	Fossil - Natural gas liquids	T050000	F02020200
76	Fossil - Gasoline	T050000	F02020200
77	Fossil - Jet kerosene	T050000	F02020305
78	Fossil - Other kerosene	T050000	F02020306
79	Fossil - Shale oil	T050000	F02020101
80	Fossil - Ethane	T050000	F02020301
81	Fossil - Naphtha	T050000	F02020302
82	Fossil - Bitumen	T050000	F02020312
83	Fossil - Lubricants	T050000	F02020313
84	Fossil - Petroleum coke	T050000	F02020314
85	Fossil - Refinery feedstocks	T050000	F02020315
86	Fossil - Refinery gas	T050000	F02030303
87	Fossil - Chemical waste gas	T050000	F02030304
88	Fossil - Other oil	T050000	F02020000
89	Fossil - Non-renewable proportion of waste	T050000	F02010501



TYPES OF ENERGY INPUTS AND TECHNOLOGIES

90	Nuclear	T060000	F03010100
94	Thermal, Fossil	T050000	F02000000
95	Other	T070000	F00000000
96	Solar	T010000	F01000000
97	Wind	T020000	F01050100
98	Marine	T040000	F01050200
99	Thermal, Renewable	T050000	F01000000

NB: The new "old codes" (94, 96, 97, 98 and 99) are to be used solely for conversion purposes, and not for issuing