

PRO Fact Sheet 5
TYPES OF ENERGY SOURCES AND TECHNOLOGIES

The attached table sets out the permissible energy sources and technologies.

WORK IN PROGRESS

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ENVIRONMENT	Level 1		Level 2		Full code
	Code	Description	Code	Description	
	1	Land (on-shore)	0		E100
	2	Sea (off-shore)	0	Unspecified	E200
			1	Surface	E201
			2	Underwater (floating)	E202
			3	Underwater (anchored)	E203
	3	Air	0		E300
	4	Space	0		E400

SOURCE	Level 1		Level 2		Full code
	Code	Description	Code	Description	
	1	Renewable	0	Unspecified	S100
			1	Solar	S101
			2	Wind	S102
			3	Hydro	S103
			4	Sea	S104
			5	Biomass	S105
			6	Geothermal	S106
	2	Fossil	0	Unspecified	S200
			1	Fossil	S201
			2	Non renewable biomass	S202
	3	Nuclear	0	Unspecified	S300

TYPE	Level 1		Level 2		Level 3		Full code	
	Code	Description	Code	Description	Code	Description		
	1	Solar	0	Unspecified	0		T10000	
			1	Photovoltaic	0	Unspecified	0	T10100
					1	Classic silicon	1	T10101
					2	Thin film	2	T10102
			2	Concentration	0		0	T10200
	2	Hydro-electric head installations	0	Unspecified	0		0	T20000
			1	Run-of-river head installation	0		0	T20100
			2	Storage head installation	0		0	T20200
			3	Pure pumped storage head installation	0		0	T20300
			4	Mixed pumped storage head	0		0	T20400
	3	Wind	0	Unspecified	0		0	T30000
	4	Thermal	1	Steam turbine with condensation turbine (closed cycle)	0	Not CHP-capable	0	T40100
					1	CHP-capable	1	T40101
			2	Steam turbine with back-pressure turbine (open cycle)	0	Not CHP-capable	0	T40200
					1	CHP-capable	1	T40201
			3	Diesel engine	0	Not CHP-capable	0	T40300
					1	CHP-capable	1	T40301
			4	Gas turbine	0	Not CHP-capable	0	T40400
					1	CHP-capable	1	T40401
	5	Nuclear	1	Generation I	0		0	T50100
2			Generation II	0		0	T50200	
3			Generation III	0		0	T50300	
4			Generation IV	0		0	T50400	
6	Marine	1	Tidal	0		0	T60100	
		2	Wave	0		0	T60200	
		3	Currents	0		0	T60300	
		4	Pressure	0		0	T60400	

FUEL (or heat source)	Level 1		Level 2		Level 3		Full code			
	Code	Description	Code	Description	Code	Level 3				
		0	None	0	Unspecified	0	Unspecified	F00000		
1	Heat		1	Solar	0	Unspecified	F10101			
			0	Unspecified	0	Unspecified	F10102			
			2	Heat extracted from earth	1	Conventional Geothermal heat	F10201			
			2	Enhanced dry bed Geothermal heat	F10202					
			3	Heat extracted from air	0	Unspecified	F10300			
			4	Heat extracted from water	0	Unspecified	F10400			
			2	Solid		1	Hard coal	1	Anthracite	F20101
								2	Bituminous coal	F20102
								3	Coking coal	F20103
								4	Coke-oven coke	F20104
5	Lignite coke	F20105								
1	Sub-bituminous coal	F20201								
2	Brown coal	2				Lignite	F20202			
		3				Brown coal briquette	F20203			
4	Peat briquette	F20204								
3	Municipal waste	0					F20300			
4	Industrial & commercial waste	0					F20400			
5	Wood	0					F20500			
6	Peat	0					F20600			
7	Animal fats	0					F20700			
3	Liquid				1	Crude oil	F30100			
					2	NGL	F30200			
					1	Petroleum coke	F30301			
					2	Liquefied petroleum gases	F30302			
					3	Refinery gas	F30303			
					4	Black liquor	F30400			
					5	Vegetable oil	F30500			
4	Gaseous				1	Natural gas	F40100			
					2	Blast furnace gas	F40200			
					3	Coke-oven gas	F40300			
					4	Municipal gas plant	F40400			
					5	Landfill gas	F40500			
					6	Sewage gas	F40600			
					0	Unspecified	F40700			
					1	Agricultural gas Manure	F40701			