

Appendix

1.1 Total energy supply commodity

Table 4 1 Total energy supply commodity

Total energy supply by energy commodity, from 1970, TWh

	Biomass ¹	Coal and coke	Crude oil and petroleum products ²	Natural gas, gasworks	Other fuels	Nuclear fuel ³	Primary heat ⁴	Hydropower ⁵	Wind power	Net electricity import
1970	43	18	336	0.0	0	0	0.0	41	0.0	4.0
1971	40	17	311	0.0	0	0	0.0	52	0.0	2.0
1972	40	17	317	0.0	0	4	0.0	54	0.0	1.0
1973	42	19	328	0.0	0	7	0.0	60	0.0	1.0
1974	44	21	292	0.0	0	6	0.0	57	0.0	3.0
1975	44	22	289	0.0	0	36	0.0	58	0.0	1.0
1976	43	21	317	0.0	0	48	0.0	55	0.0	2.0
1977	41	17	314	0.0	0	60	0.0	54	0.0	-2.0
1978	45	18	297	0.0	0	71	0.0	58	0.0	-1.0
1979	47	21	305	0.0	0	64	0.0	61	0.0	2.0
1980	48	19	275	0.0	0	76	1.0	59	0.0	1.0
1981	50	17	254	0.0	0	114	1.0	60	0.0	-3.0
1982	48	19	235	0.0	0	117	1.0	55	0.0	3.0
1983	52	25	202	0.0	2	124	0.7	64	0.0	4.9
1984	58	29	191	0.0	2	152	1.9	68	0.0	0.4
1985	61	36	200	0.8	3	173	3.2	71	0.0	-1.5
1986	61	35	200	2.3	4	202	5.3	61	0.0	-4.7
1987	61	34	196	3.2	4	200	6.9	72	0.0	-4.2
1988	63	32	196	4.0	4	207	6.9	70	0.0	-2.6
1989	62	31	189	5.4	5	196	6.8	72	0.0	-0.5
1990	61	32	168	6.7	5	202	7.1	73	0.0	-1.8
1991	64	29	170	7.2	7	228	7.4	63	0.0	-1.3
1992	65	28	165	8.1	7	188	6.9	74	0.0	-2.2
1993	68	28	161	8.0	7	182	7.2	75	0.0	-0.6
1994	72	28	171	7.9	7	217	6.9	59	0.1	0.3
1995	77	28	176	7.9	7	207	7.0	68	0.1	-1.7
1996	81	31	188	8.5	7	224	6.9	52	0.1	6.1
1997	83	26	174	8.4	7	206	6.1	69	0.2	-2.7
1998	82	25	176	8.7	9	218	7.4	75	0.3	-10.7
1999	83	25	174	8.3	7	213	7.5	72	0.4	-7.5
2000	84	24	168	8.1	7	168	7.5	79	0.5	4.7
2001	86	26	163	9.2	8	214	7.6	79	0.5	-7.3
2002	91	26	174	9.3	9	201	7.7	66	0.6	5.4
2003	96	26	174	10.3	10	200	6.6	53	0.6	12.8
2004	96	27	177	10.3	12	227	6.7	61	0.9	-2.1
2005	105	25	164	9.8	9	210	6.2	72	0.9	-7.4
2006	109	27	163	10.2	13	194	5.8	62	1.0	6.1
2007	113	26	148	10.5	14	191	5.8	66	1.4	1.3
2008	115	23	154	9.6	14	184	5.7	69	2.0	-2.0
2009	119	17	143	12.8	13	149	5.2	66	2.5	4.7
2010	128	24	157	17.2	14	166	5.4	67	3.5	2.1
2011	123	23	151	14	14	171	5	67	6	-7
2012	129	21	145	11.8	13	188	5.8	79	7.2	-19.6
2013	129	22	134	11	14	189	4	61	10	-10

Source: Swedish Energy Agency and Statistics Sweden.

Note: ¹ Other fuels are included in biomass prior to 1983.

² International aviation included until 1989.

³ Nuclear fuel is reported gross, i.e. as supplied nuclear fuel energy, in accordance with UNECE guidelines.


⁴ Heat pumps in district heating plants.

⁵ Including windpower until 1989

1.2 Renewable electricity capacity and generation

Table 4 2 Renewable electricity capacity and generation statistics

Renewable Electricity Capacity and Generation Statistics, June 2018



International Renewable Energy Agency

Select indicators

- Electricity capacity (MW)
- Electricity generation (GWh)

Select technologies

- Total renewable energy
- Hydropower
- Renewable hydropower
- Pumped storage *
- Marine
- Wind
- Onshore wind energy
- Offshore wind energy
- Solar
- Solar photovoltaic
- Concentrated solar power
- Bioenergy
- Solid biofuels
- Bagasse
- Renewable municipal waste
- Other solid biofuels
- Liquid biofuels
- Biogas
- Geothermal

Select countries and areas

- Lithuania
- Luxembourg
- Malta
- Moldova Rep
- Monaco
- Montenegro
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- San Marino
- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- TfYR Macedonia

Select years

- 2000
- 2001
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017

Select/deselect all

SelecoDeselect

- World
- Africa
- Asia
- C America + Carib
- Eurasia
- Europe
- Middle East
- N America
- Oceania
- S America
- Indicators
- Technologies
- Years
- Show data flags (e,o,u)

Select preference for row sort order and perform query

Indicator - Technology - Country/Area

Technology - Indicator - Country/Area

Country/Area - Indicator - Technology

Indicator - Country/Area - Technology

Technology - Country/Area - Indicator

Country/Area - Technology - Indicator

*Note: Pumped storage is included under the "Hydropower" category but not in the "Total renewable energy". Generation from mixed plants is split between hydropower and pumped storage as appropriate.

1.3 Renewable energy production mix

Table 4 3 Renewable energy production mix

Renewable Energy Production mix (http://www.tsp-data-portal.org/all-datasets)							
	a	b	c	d	e	f	h
Year/Sources	Hydro	Nuclear	Biodiesel	Biomass ar	Solar, Tide	Wind Elec	Total
1994	58.50800058	210.6000021	-	2.283	0.001	0.072	271.464
1995	67.42100066	201.3272747	-	2.424	0.001	0.099	271.2723
1996	51.2226005	213.8181839	-	2.192	0.001	0.144	267.3778
1997	68.36500067	201.3090929	-	2.835	0.001	0.203	272.7131
1998	74.25000073	211.8303051	-	3.042	0.001	0.317	289.4403
1999	70.9740007	210.6939415	-	2.882	0.001	0.358	284.9089
2000	77.79800077	165.0000016	-	4.342	0.001	0.457	247.598
2001	78.26900077	207.5878808	0.0298994	4.021	0.002	0.482	290.3918
2002	65.69600065	196.0757595	0.0298994	4.439	0.002	0.608	266.8507
2003	53.00500052	194.0727292	0.0398658	4.836	0.002	0.679	252.6346
2004	59.52200059	227.8123356	0.0996645	7.9990001	0.002	0.85	296.285
2005	72.07500071	210.8384566	0.0996645	8.3570001	0.002	0.936	292.3081
2006	61.1060006	197.1331232	0.4983226	9.3550001	0.002	0.987	269.0814
2007	65.49700064	194.950911	1.0963096	10.656	0.003	1.43	273.6332
2008	68.37800067	185.8662746	1.3953032	11.225	0.004	1.996	268.8646
2009	65.19300064	151.633153	1.744129	12.209	0.007	2.485	233.2713
2010	65.73400065	168.8804562	1.9932903	13.397	0.009	3.502	253.5157
2011	65.77000065	176.0558502	2.4916128	11.883	0.011	6.0830001	262.2945
2012	78.14300077	186.2848503	2.8705234	11.64	0.019	7.1650001	286.1224
2013	60.9660006	193.101214	3.1952551	11.97325	0.0319922	9.1604034	278.4281
2014	60.6620006	188.765818	2.884419	11.97325	0.0580898	10.161881	274.5055
Cost E/MWh	65	77			125	64	331