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Federal Department of the Environment,
Transport, Energy and Communications DETEC
Swiss Federal Office of Energy SFOE

June 2009

Energy Consumption in Switzerland 2008

Extract from the Swiss Energy Statistics 2008

Available from August 2009 (German/French)

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Final Energy Consumption

Table 1

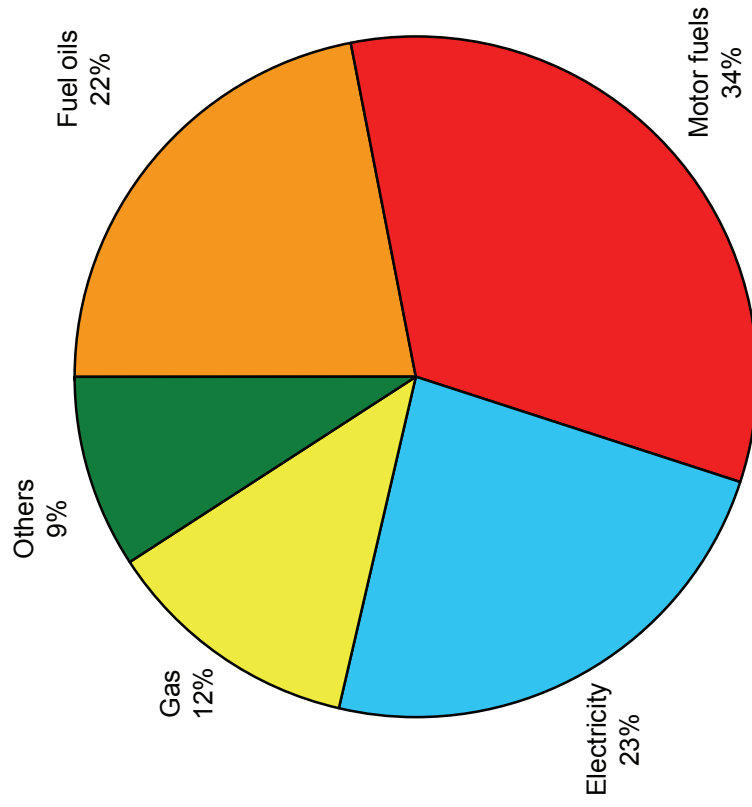
Energy source	Final consumption in original units		Final consumption in TJ		Change in % 2007-2008	Share in %	
	2007	2008	2007	2008		2007	2008
Petroleum products	11'216'000 t	11'633'000 t	478'310	496'170	3,7	55,3	55,1
Electricity	57'432 GWh	58'729 GWh	206'760	211'420	2,3	23,9	23,5
Gas *	28'991 GWh	30'767 GWh	104'370	110'760	6,1	12,1	12,3
Coal	289'000 t	261'000 t	7'450	6'720	-9,8	0,9	0,7
Wood	-	-	31'000	35'050	13,1	3,6	3,9
District heating	4'292 GWh	4'539 GWh	15'450	16'340	5,8	1,8	1,8
Waste	-	-	11'560	12'150	5,1	1,3	1,3
Other renewable Energy**	-	-	10'000	11'430	14,3	1,2	1,3
Total final consumption	-	-	864'900	900'040	4,1	100	100

* Net calorific value (NCV: 36,3 MJ/Norm m³); in gas industry the gross calorific value (GCV: 40,3 MJ/Norm m³) is commonly used; NCV = 0,9 * GCV.

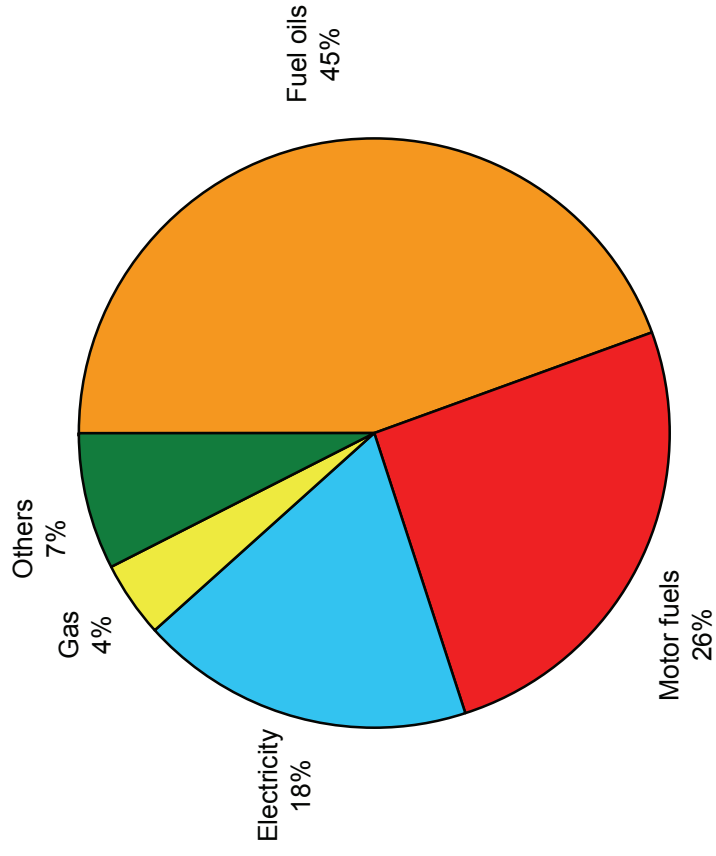
** Ambient heat from soil, groundwater, air, etc. (heat pumps): 8110 TJ; Biogas: 1580 TJ; Biofuels: 490 TJ; Solar thermal: 1260 TJ



Final Energy Consumption 2008
(Total: 900'040 T.J)



Final Energy Consumption 1980
(Total: 697'110 T.J)





Petroleum Products

Table 2

	Consumption in 1000 t		Consumption in TJ		Change in %	Share in %	
	2007	2008	2007	2008	2007-2008	2007	2008
<u>Fuel oils</u>							
Extra-light heating oil	4'217	4'432	179'660	188'810	5,1	37,6	38,1
Heavy fuel oil	97	95	4'000	3'910	-2,3	0,8	0,8
Petroleum coke	39	33	1'360	1'160	- 14,7	0,3	0,2
Others	99	94	4'550	4'320	-5,1	1,0	0,9
Total fuel oils	4'542	4'654	189'570	198'200	4,6	39,6	39,9
<u>Motor fuels</u>							
Gasoline	3'450	3'375	146'630	143'440	- 2,2	30,7	28,9
Diesel oil	1'988	2'186	85'090	93'560	10,0	17,8	18,9
Aviation fuel	1'326	1'418	57'020	60'970	6,9	11,9	12,3
Total motor fuels	6'764	6'979	288'740	297'970	3,2	60,4	60,1
<u>Total petroleum products</u>	11'216	11'633	478'310	496'170	3,7	100	100



Electricity

Table 3

	GWh (1 GWh = 3,6 TJ)		Change in % 2007-2008	Share in %	
	2007	2008		2007	2008
<u>Production:</u>					
Hydroelectric plants	36'373	37'559	3,3	55,2	56,1
Nuclear power plants	26'344	26'132	-0,8	40,0	39,0
Conventional thermal power plants and other plants	3'199	3'276	2,4	4,8	4,9
Domestic production	65'916	66'967	1,6	100	100
Consumption by storage pumps (-)	2'104	2'685	27,6	3,2	4,0
Net production	63'812	64'282	0,7	96,8	96,0
Import (+)	48'568	50'273	3,5	-	-
Export (-)	50'630	51'408	1,5	-	-
Export balance	-2'062	-1'135	-	3,2	1,8
Domestic consumption	61'750	63'147	2,3	100,0	100,0
Losses (-)	4'318	4'418	2,3	7,0	7,0
Final consumption	57'432	58'729	2,3	93,0	93,0
<u>Final consumption by sector:</u>				100	100
Households	17'472	17'897	2,4	30,4	30,5
Agriculture	1'004	1'013	0,9	1,7	1,7
Industry	18'995	19'280	1,5	33,1	32,8
Services	15'219	15'730	3,4	26,5	26,8
Transport*	4'742	4'809	1,4	8,3	8,2

* of which railways 2008: 3142 GWh (2007: 3076 GWh)



Gas

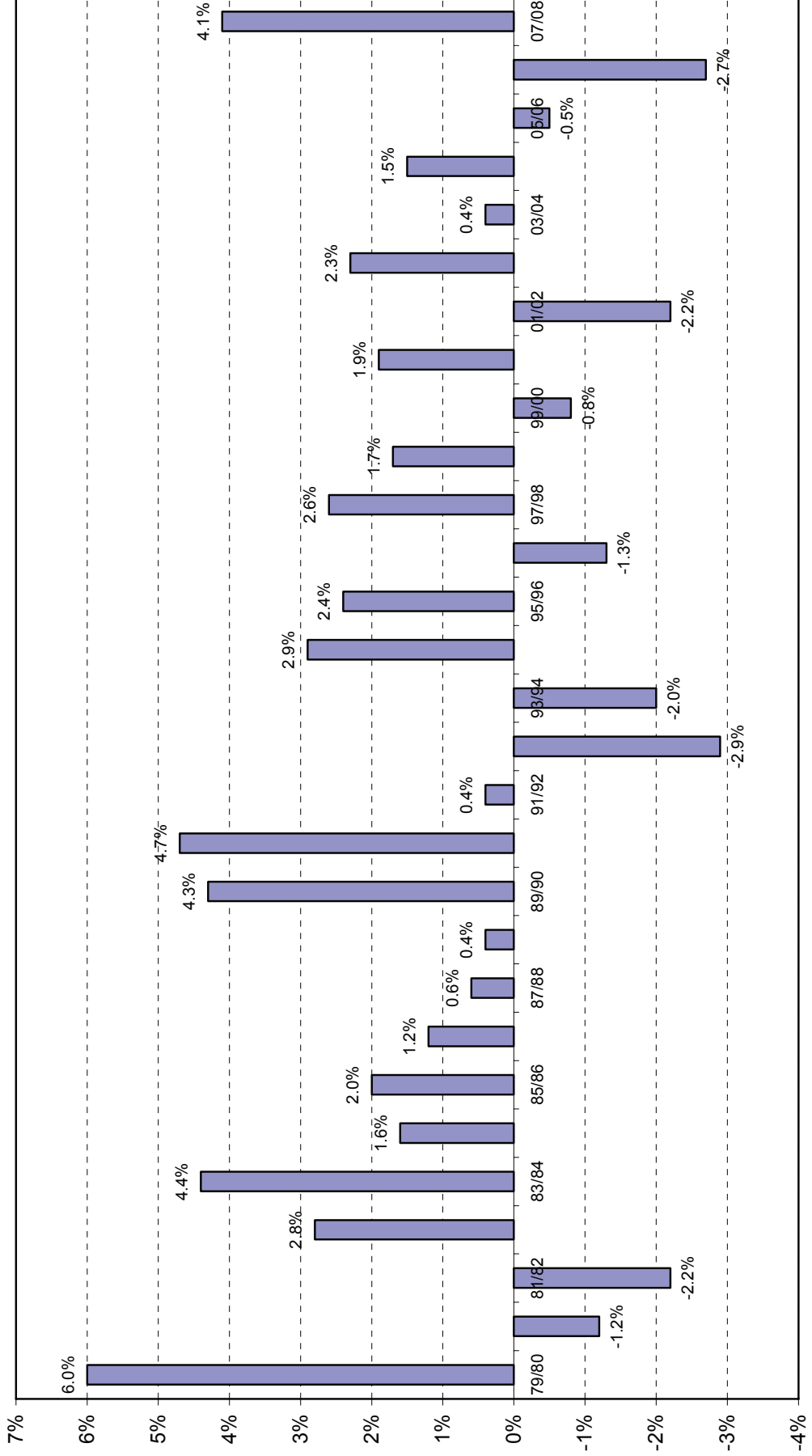
Table 4

	GWh*		TJ		Change in %
	2007	2008	2007	2008	2007-2008
Gas-works gas made of propane/butane	24	15	90	50	-
Feed-in of biogas to the gas network	15	30	50	110	-
Imports of natural gas	30'641	32'648	110'310	117'530	6,5
Total	30'680	32'693	110'450	117'690	6,6
less:					
Natural gas used for district heating and electricity production	1'475	1'698	5'310	6'110	-
Distribution losses and gasworks' own consumption	214	228	770	820	-
Final consumption	28'991	30'767	104'370	110'760	6,1

* Net calorific value (NCV: 36,3 MJ/Norm m³); in gas industry the gross calorific value (GCV: 40,3 MJ/Norm m³) is commonly used; NCV = 0,9 * GCV.



Rate of Change in Final Energy Consumption per Year





Final Energy Consumption since 1910

