

# Monthly Electricity Statistics

## December 2009

The IEA's Monthly Electricity Statistics provides timely electricity production and trade data for all member countries of the Organization for Economic Cooperation and Development (OECD). It aims to report as up-to-date and consistent information as possible for the last four months. It also provides previous annual data and year-to-date indicators.

Data are reported at the individual country level as well as in organisational and regional groupings. These groupings include: OECD Total, OECD Europe, OECD North America, OECD Pacific and IEA Total. The units are terawatt-hours (TWh) for the groupings and gigawatt-hours (GWh) for the individual countries.

### Highlights

#### December 2009 vs. December 2008

Total OECD production reached 883.8 TWh, an increase of 0.8% or 6.8 TWh over the same month last year.

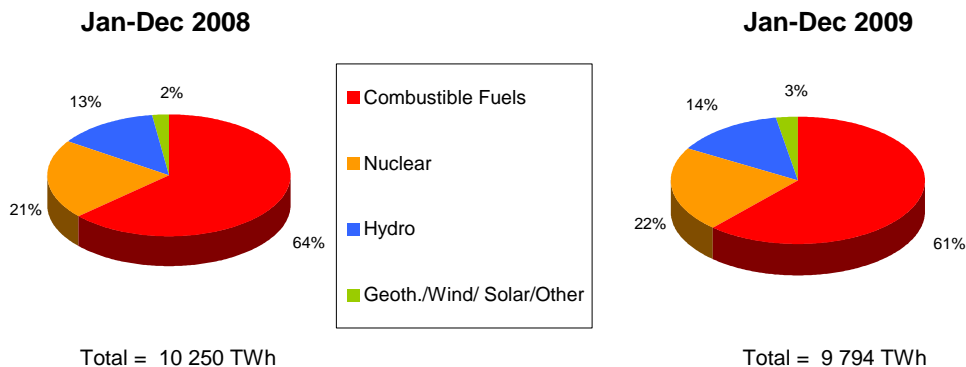
- In OECD North America, imports rose by 18.5% to 5.8 TWh and exports rose by 2.4% to 5.2 TWh, reversing the trend of the past 13 months, from November 2008.
- Production from Combustible Fuels rose by 0.7% to 543.6 TWh in OECD Total, reversing the trend of the past 16 months, from August 2008.
- Production from Geoth./Wind/Solar/Other rose by 23.0% to 15.5 TWh in OECD Europe.

#### January - December 2009 vs. the same period in 2008

Total OECD production reached 9 794.0 TWh, a decrease of 4.4% or 456.1 TWh over the same period last year.

- In OECD North America, imports fell by 14.2% to 70.8 TWh and exports fell by 12.0% to 73.2 TWh.
- Production from Combustible Fuels fell by 8.4% to 1 119.4 TWh in OECD Pacific.
- Production from Geoth./Wind/Solar/Other rose by 18.9% to 165.5 TWh in OECD Europe.

### OECD Electricity Production by Fuel Type Year-to-Date Comparison



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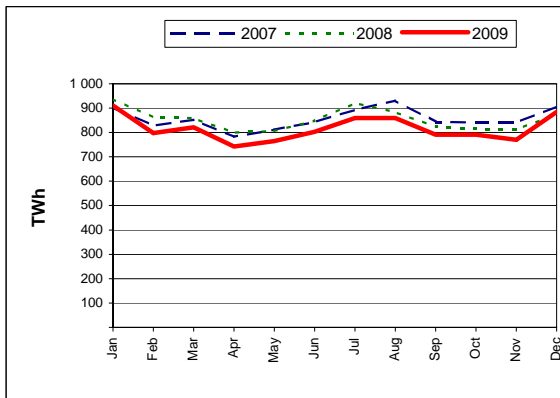
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## OECD Total

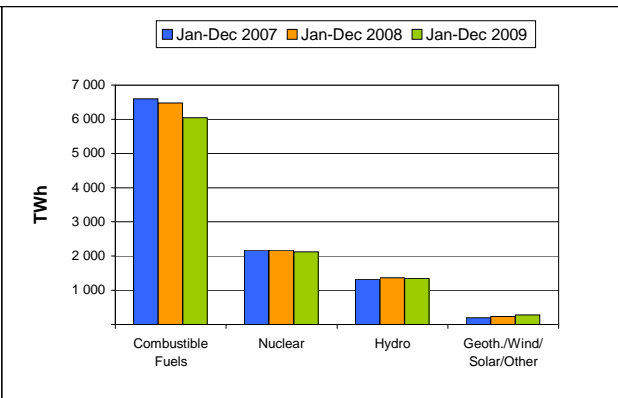
	TWh							
	Dec-09	Dec-08	The last 3 months			Year-to-Date		Past Year
		% change	Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	2008
+ Combustible Fuels	543.6	0.7%	505.9	499.7	474.8	6 045.8	-6.7%	6 480
+ Nuclear	194.7	-2.2%	168.0	164.3	166.3	2 125.3	-2.0%	2 169
+ Hydro	118.8	2.6%	95.5	102.6	102.8	1 343.5	-1.5%	1 364
+ Geoth./Wind/Solar/Other	26.7	19.5%	22.2	24.3	26.0	279.3	17.8%	237
<b>= Indigenous Production</b>	<b>883.8</b>	<b>0.8%</b>	<b>791.6</b>	<b>791.1</b>	<b>769.9</b>	<b>9 794.0</b>	<b>-4.4%</b>	<b>10 250</b>
+ Imports	34.8	7.2%	30.1	32.3	31.7	376.7	-6.0%	401
- Exports	32.8	3.5%	29.3	30.7	30.7	362.4	-7.1%	390
<b>= Electricity Supplied</b>	<b>885.8</b>	<b>0.9%</b>	<b>792.5</b>	<b>792.6</b>	<b>770.9</b>	<b>9 808.2</b>	<b>-4.4%</b>	<b>10 261</b>

- Electricity production was 883.8 TWh in December 2009.
  - This was higher by 6.8 TWh, or 0.8%, compared to December 2008.
  - This was an increase of 113.9 TWh, or 14.8%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 17.1%, or 28.5 TWh.
- Total production for the year-to-date was 9 794.0 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 456.1 TWh, or 4.4%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 17.8% higher.
  - Trade volume decreased by 51.6 TWh, or 6.5%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

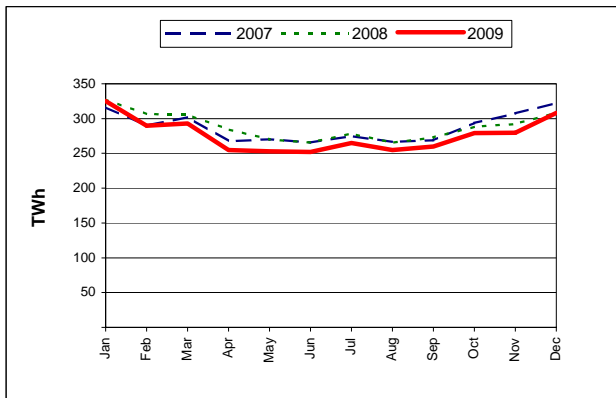
- OECD includes Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Korea, Luxembourg, Mexico, the Netherlands, New Zealand, Portugal, Spain, Sweden, Norway, Poland, the Slovak Republic, Switzerland, Turkey, the United Kingdom and the United States.

## OECD Europe

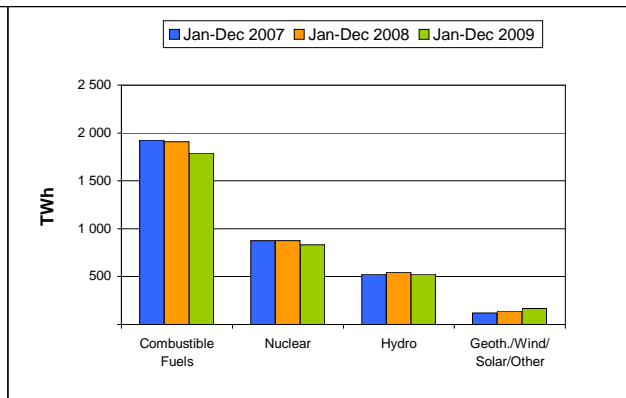
	TWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	168.4	0.5%	145.4	159.7	154.5	1 789.2	-6.3%	1 909
+ Nuclear	76.8	-6.6%	62.0	65.3	67.8	832.1	-4.8%	874
+ Hydro	47.5	2.7%	38.0	39.3	40.8	526.2	-3.5%	546
+ Geoth./Wind/Solar/Other	15.5	23.0%	14.2	14.6	16.5	165.5	18.9%	139
<b>= Indigenous Production</b>	<b>308.2</b>	<b>-0.1%</b>	<b>259.6</b>	<b>279.0</b>	<b>279.5</b>	<b>3 312.9</b>	<b>-4.5%</b>	<b>3 468</b>
+ Imports	29.0	5.1%	24.3	26.2	26.6	305.8	-3.8%	318
- Exports	27.6	3.7%	23.3	24.4	25.4	289.1	-5.8%	307
<b>= Electricity Supplied</b>	<b>309.6</b>	<b>0.0%</b>	<b>260.6</b>	<b>280.8</b>	<b>280.6</b>	<b>3 329.6</b>	<b>-4.3%</b>	<b>3 479</b>

- Electricity production was 308.2 TWh in December 2009.
  - This was lower by 0.4 TWh, or 0.1%, compared to December 2008.
  - This was an increase of 28.7 TWh, or 10.3%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 16.5%, or 6.7 TWh.
- Total production for the year-to-date was 3 312.9 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 154.8 TWh, or 4.5%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 18.9% higher.
  - Trade volume decreased by 29.9 TWh, or 4.8%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

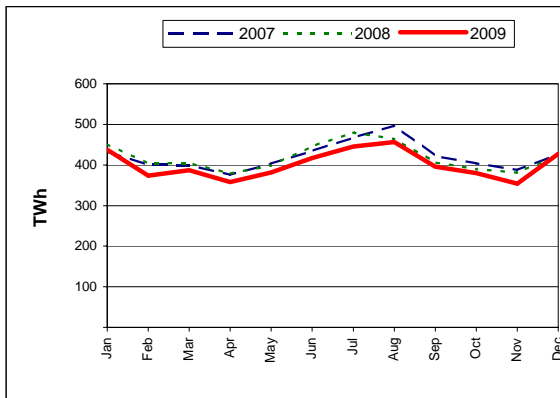
- OECD Europe includes Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, Norway, Poland, the Slovak Republic, Switzerland, Turkey and the United Kingdom.

## OECD North America

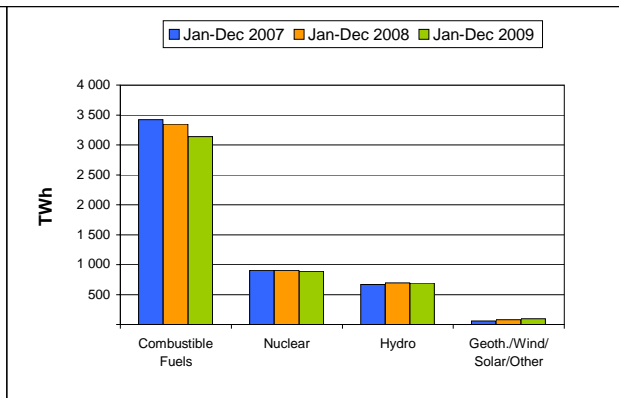
	TWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	275.3	1.2%	267.4	252.2	227.4	3 137.2	-6.3%	3 350
+ Nuclear	79.7	-2.5%	73.8	65.2	64.7	888.2	-1.8%	905
+ Hydro	62.6	2.2%	48.2	54.5	53.4	691.6	-0.7%	696
+ Geoth./Wind/Solar/Other	9.8	16.7%	6.5	8.3	8.1	97.0	17.2%	83
<b>= Indigenous Production</b>	<b>427.5</b>	<b>0.9%</b>	<b>395.9</b>	<b>380.2</b>	<b>353.7</b>	<b>4 814.1</b>	<b>-4.4%</b>	<b>5 033</b>
+ Imports	5.8	18.5%	5.8	6.1	5.1	70.8	-14.2%	83
- Exports	5.2	2.4%	6.0	6.3	5.3	73.2	-12.0%	83
<b>= Electricity Supplied</b>	<b>428.1</b>	<b>1.1%</b>	<b>395.8</b>	<b>379.9</b>	<b>353.5</b>	<b>4 811.7</b>	<b>-4.4%</b>	<b>5 032</b>

- Electricity production was 427.5 TWh in December 2009.
  - This was higher by 3.9 TWh, or 0.9%, compared to December 2008.
  - This was an increase of 73.8 TWh, or 20.9%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 23.2%, or 15.0 TWh.
- Total production for the year-to-date was 4 814.1 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 219.0 TWh, or 4.4%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 17.2% higher.
  - Trade volume decreased by 21.7 TWh, or 13.1%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

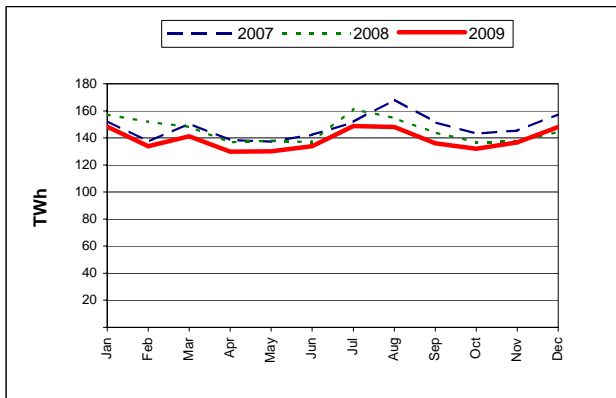
- OECD North America includes Canada, Mexico and the United States.

## OECD Pacific

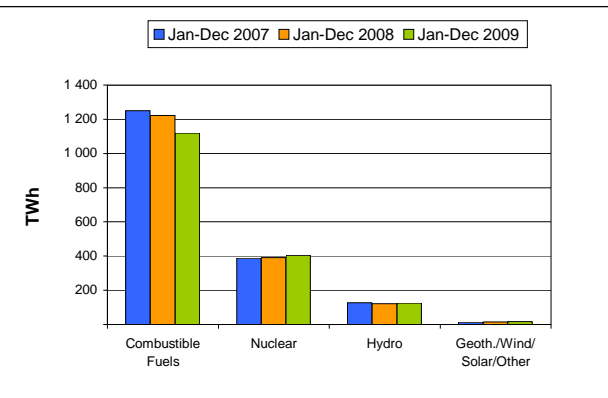
	TWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	99.9	-0.2%	93.1	87.8	93.0	1 119.4	-8.4%	1 222
+ Nuclear	38.1	8.6%	32.2	33.8	33.8	405.0	3.7%	390
+ Hydro	8.6	5.3%	9.3	8.8	8.6	125.7	2.9%	122
+ Geoth./Wind/Solar/Other	1.5	5.1%	1.4	1.4	1.4	16.8	11.3%	15
<b>= Indigenous Production</b>	<b>148.2</b>	<b>2.3%</b>	<b>136.1</b>	<b>131.9</b>	<b>136.8</b>	<b>1 666.9</b>	<b>-4.7%</b>	<b>1 749</b>
+ Imports	0.0	0.0%	0.0	0.0	0.0	0.0	0.0%	0
- Exports	0.0	0.0%	0.0	0.0	0.0	0.0	0.0%	0
<b>= Electricity Supplied</b>	<b>148.2</b>	<b>2.3%</b>	<b>136.1</b>	<b>131.9</b>	<b>136.8</b>	<b>1 666.9</b>	<b>-4.7%</b>	<b>1 749</b>

- Electricity production was 148.2 TWh in December 2009.
  - This was higher by 3.3 TWh, or 2.3%, compared to December 2008.
  - This was an increase of 11.4 TWh, or 8.3%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 12.9%, or 4.4 TWh.
- Total production for the year-to-date was 1 666.9 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 82.3 TWh, or 4.7%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 11.3% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

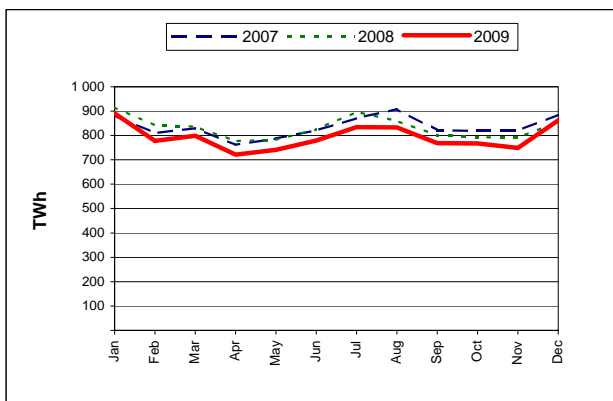
- OECD Pacific includes Australia, Japan, Korea and New Zealand.

## IEA Total

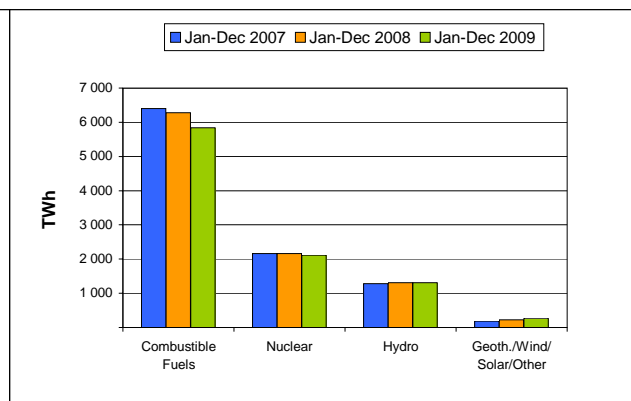
	TWh							
	Dec-09	Dec-08	The last 3 months			Year-to-Date		Past Year
		% change	Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	2008
+ Combustible Fuels	526.6	0.4%	487.5	481.2	458.0	5 835.6	-7.1%	6 282
+ Nuclear	193.7	-2.3%	167.0	163.4	165.4	2 114.8	-2.1%	2 159
+ Hydro	116.4	3.4%	92.4	99.7	100.5	1 306.0	-0.6%	1 314
+ Geoth./Wind/Solar/Other	25.8	20.5%	21.3	23.4	25.1	268.3	18.6%	226
<b>= Indigenous Production</b>	<b>862.4</b>	<b>0.6%</b>	<b>768.3</b>	<b>767.6</b>	<b>749.0</b>	<b>9 524.6</b>	<b>-4.6%</b>	<b>9 982</b>
+ Imports	34.8	7.2%	30.1	32.3	31.7	376.3	-6.0%	400
- Exports	32.7	3.6%	29.2	30.6	30.6	361.1	-7.1%	389
<b>= Electricity Supplied</b>	<b>864.6</b>	<b>0.8%</b>	<b>769.2</b>	<b>769.3</b>	<b>750.1</b>	<b>9 539.8</b>	<b>-4.5%</b>	<b>9 994</b>

- Electricity production was 862.4 TWh in December 2009.
  - This was higher by 5.5 TWh, or 0.6%, compared to December 2008.
  - This was an increase of 113.5 TWh, or 15.1%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 17.1%, or 28.3 TWh.
- Total production for the year-to-date was 9 524.6 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 457.7 TWh, or 4.6%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 18.6% higher.
  - Trade volume decreased by 51.4 TWh, or 6.5%.

## Electricity Production Compared to Previous Year



## 'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

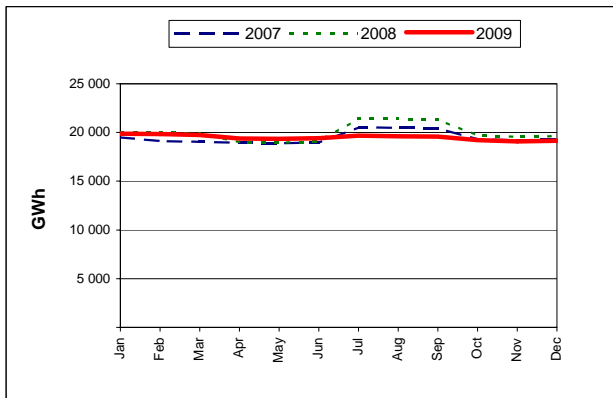
- IEA includes all OECD countries except Iceland and Mexico.

## AUSTRALIA

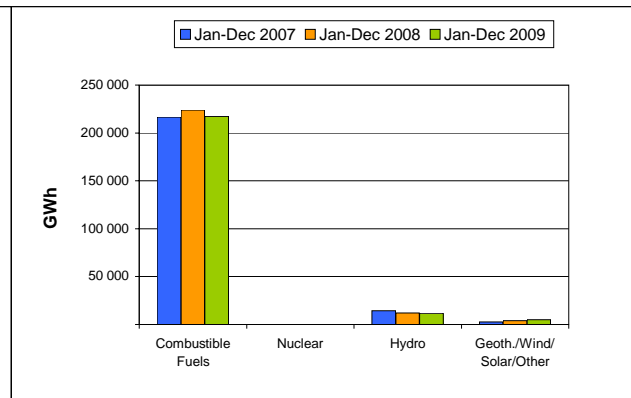
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	17 555	-2.9%	18 059	17 687	17 426	217 209	-3.0%	224 026
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	1 150	-3.0%	1 081	1 084	1 216	11 665	-3.3%	12 057
+ Geoth./Wind/Solar/Other	450	17.5%	433	438	443	5 022	22.4%	4 102
<b>= Indigenous Production</b>	<b>19 155</b>	<b>-2.5%</b>	<b>19 573</b>	<b>19 209</b>	<b>19 085</b>	<b>233 896</b>	<b>-2.6%</b>	<b>240 185</b>
+ Imports	0	0.0%	0	0	0	0	0.0%	0
- Exports	0	0.0%	0	0	0	0	0.0%	0
<b>= Electricity Supplied</b>	<b>19 155</b>	<b>-2.5%</b>	<b>19 573</b>	<b>19 209</b>	<b>19 085</b>	<b>233 896</b>	<b>-2.6%</b>	<b>240 185</b>

- Electricity production was 19 155 GWh in December 2009.
  - This was lower by 491 GWh, or 2.5%, compared to December 2008.
  - This was an increase of 70 GWh, or 0.4%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with a decrease of 5.4%, or 66 GWh.
- Total production for the year-to-date was 233 896 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 6 289 GWh, or 2.6%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 22.4% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

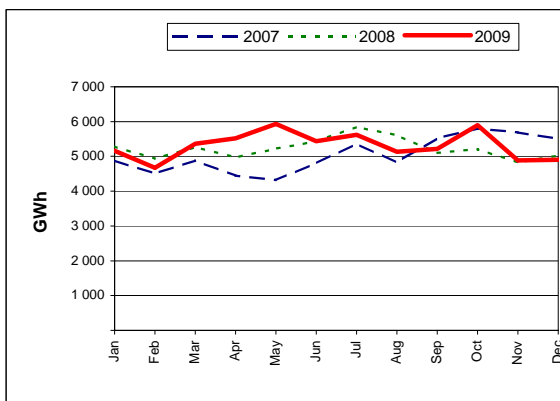
- Excludes the overseas territories.
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.
- The breakdown of Combustible Fuels and Hydro electricity production is estimated by the IEA Secretariat.
- Monthly total net production is estimated based on quarterly data.

## AUSTRIA

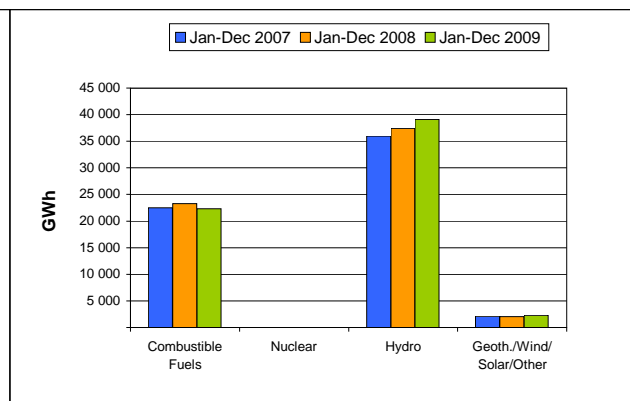
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	2 457	5.3%	1 680	2 811	2 482	22 324	-4.2%	23 294
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	2 273	-8.1%	3 345	2 903	2 218	39 134	4.6%	37 410
+ Geoth./Wind/Solar/Other	172	-21.5%	190	184	180	2 277	10.5%	2 060
<b>= Indigenous Production</b>	<b>4 902</b>	<b>-2.5%</b>	<b>5 215</b>	<b>5 898</b>	<b>4 880</b>	<b>63 735</b>	<b>1.5%</b>	<b>62 764</b>
+ Imports	2 874	25.0%	1 572	1 664	2 390	20 034	1.2%	19 798
- Exports	1 600	12.3%	1 654	1 824	1 451	18 732	25.4%	14 932
<b>= Electricity Supplied</b>	<b>6 176</b>	<b>4.7%</b>	<b>5 133</b>	<b>5 738</b>	<b>5 819</b>	<b>65 037</b>	<b>-3.8%</b>	<b>67 630</b>

- Electricity production was 4 902 GWh in December 2009.
  - This was lower by 125 GWh, or 2.5%, compared to December 2008.
  - This was an increase of 22 GWh, or 0.5%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with a decrease of 4.4%, or 8 GWh.
- Total production for the year-to-date was 63 735 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 971 GWh, or 1.5%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 10.5% higher.
  - Trade volume increased by 4 036 GWh, or 11.6%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

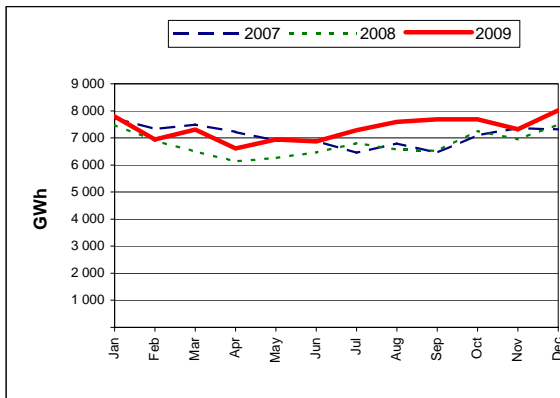
- Production and trade data for December 2009 are estimated by the IEA Secretariat.

## BELGIUM

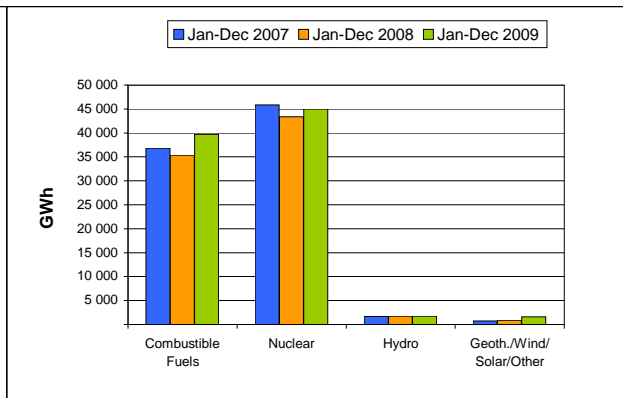
	GWh							
	Dec-09	Dec-08	The last 3 months			Year-to-Date		Past Year
		% change	Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	2008
+ Combustible Fuels	3 801	30.9%	3 573	3 815	3 654	39 720	12.3%	35 384 e
+ Nuclear	3 856	-11.5%	3 857	3 589	3 235	44 960	3.7%	43 359
+ Hydro	166	-2.4%	131	134	137	1 749	0.3%	1 743
+ Geoth./Wind/Solar/Other	194	203.1%	129	146	292	1 636	83.0%	894 e
<b>= Indigenous Production</b>	<b>8 017</b>	<b>6.9%</b>	<b>7 690</b>	<b>7 684</b>	<b>7 318</b>	<b>88 065</b>	<b>8.2%</b>	<b>81 380 e</b>
+ Imports	1 038	19.7%	524	953	1 029	9 487	-44.7%	17 157
- Exports	1 002	56.3%	1 209	1 103	860	11 321	72.5%	6 561
<b>= Electricity Supplied</b>	<b>8 053</b>	<b>4.3%</b>	<b>7 005</b>	<b>7 534</b>	<b>7 487</b>	<b>86 231</b>	<b>-6.2%</b>	<b>91 976 e</b>

- Electricity production was 8 017 GWh in December 2009.
  - This was higher by 520 GWh, or 6.9%, compared to December 2008.
  - This was an increase of 699 GWh, or 9.6%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with a decrease of 33.6%, or 98 GWh.
- Total production for the year-to-date was 88 065 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 6 685 GWh, or 8.2%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 83% higher.
  - Trade volume decreased by 2 910 GWh, or 12.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



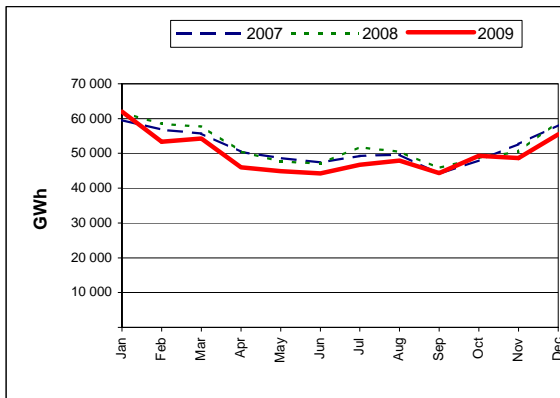
## COUNTRY NOTES:

## CANADA

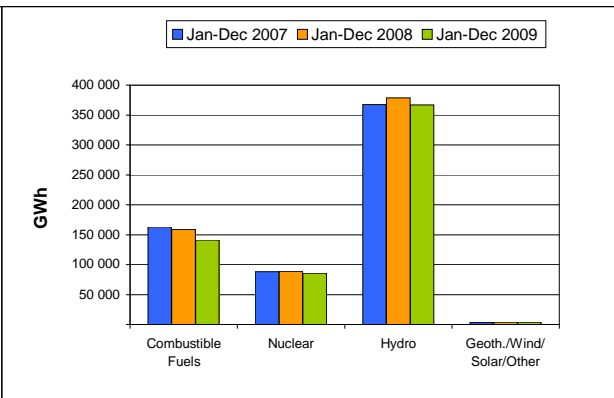
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	12 212	-13.9%	10 645	11 481	11 313	141 353	-11.0%	158 860 e
+ Nuclear	8 560	3.4%	7 131	6 701	6 890	85 551	-3.5%	88 634
+ Hydro	34 411	-5.3%	26 233	30 806	30 164	366 812	-3.2%	378 793
+ Geoth./Wind/Solar/Other	275	-8.6%	285	282	278	3 510	-8.7%	3 845
<b>= Indigenous Production</b>	<b>55 458</b>	<b>-6.2%</b>	<b>44 294</b>	<b>49 270</b>	<b>48 645</b>	<b>597 226</b>	<b>-5.2%</b>	<b>630 132 e</b>
+ Imports	1 198	-15.8%	1 324	1 329	1 260	18 066	-28.3%	25 188
- Exports	3 728	6.9%	4 498	4 823	3 904	53 887	-6.6%	57 675
<b>= Electricity Supplied</b>	<b>52 928</b>	<b>-7.2%</b>	<b>41 120</b>	<b>45 776</b>	<b>46 001</b>	<b>561 405</b>	<b>-6.1%</b>	<b>597 645 e</b>

- Electricity production was 55 458 GWh in December 2009.
  - This was lower by 3 643 GWh, or 6.2%, compared to December 2008.
  - This was an increase of 6 813 GWh, or 14%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 24.2%, or 1 670 GWh.
- Total production for the year-to-date was 597 226 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 32 906 GWh, or 5.2%.
  - Combustible Fuels production showed the largest percentage change by fuel type, being 11% lower.
  - Trade volume decreased by 10 910 GWh, or 13.2%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

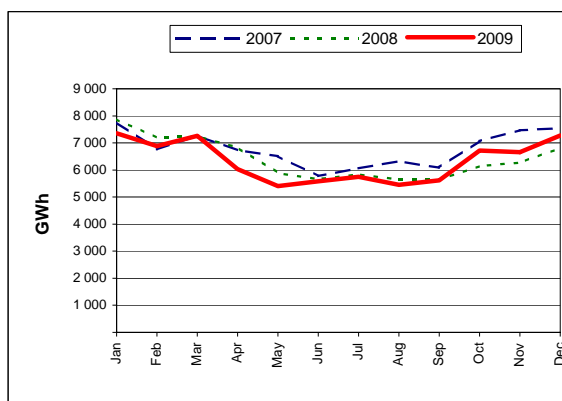
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.
- Production and trade data for December 2009 are estimated by the IEA Secretariat.

## CZECH REPUBLIC

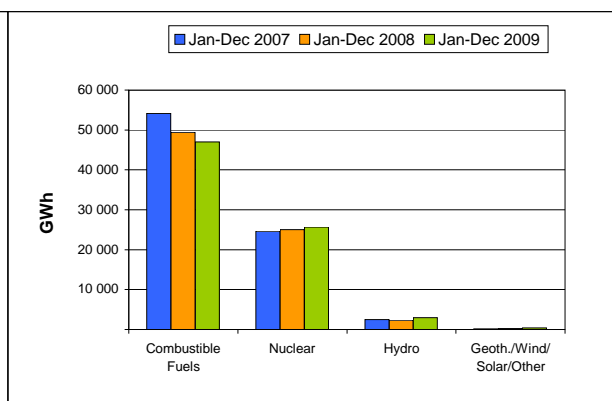
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	4 572	5.3%	3 585	4 509	4 196	46 980	-5.0%	49 450
+ Nuclear	2 440	7.5%	1 827	1 959	2 191	25 665	2.6%	25 017
+ Hydro	231	38.3%	179	211	229	2 939	24.3%	2 364
+ Geoth./Wind/Solar/Other	29	-12.1%	32	43	40	393	51.7%	259
<b>= Indigenous Production</b>	<b>7 272</b>	<b>6.8%</b>	<b>5 623</b>	<b>6 722</b>	<b>6 656</b>	<b>75 977</b>	<b>-1.4%</b>	<b>77 090</b>
+ Imports	773	0.4%	817	845	1 050	8 585	0.7%	8 523
- Exports	2 122	15.8%	1 710	2 127	2 153	22 230	11.2%	19 989
<b>= Electricity Supplied</b>	<b>5 923</b>	<b>3.0%</b>	<b>4 730</b>	<b>5 440</b>	<b>5 553</b>	<b>62 332</b>	<b>-5.0%</b>	<b>65 624</b>

- Electricity production was 7 272 GWh in December 2009.
  - This was higher by 462 GWh, or 6.8%, compared to December 2008.
  - This was an increase of 616 GWh, or 9.3%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with a decrease of 27.5%, or 11 GWh.
- Total production for the year-to-date was 75 977 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 1 113 GWh, or 1.4%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 51.7% higher.
  - Trade volume increased by 2 303 GWh, or 8.1%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



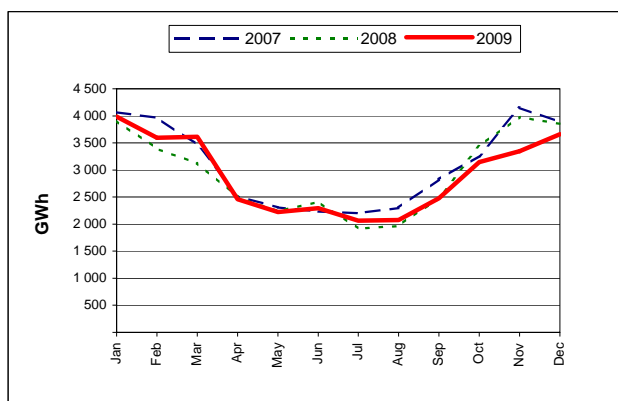
## COUNTRY NOTES:

## DENMARK

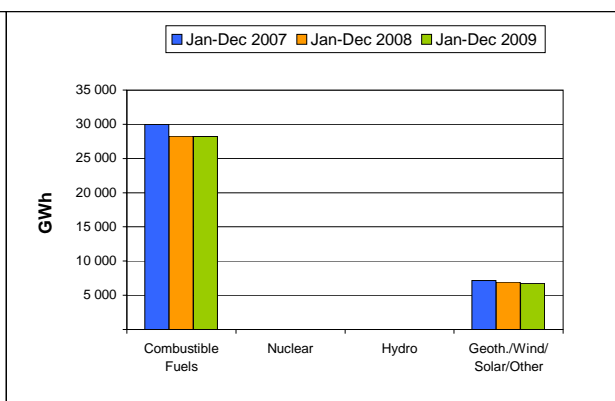
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	3 066	-10.0%	1 844	2 455	2 473	28 202	-0.2%	28 270
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	3	50.0%	1	1	2	18	-33.3%	27
+ Geoth./Wind/Solar/Other	589	32.4%	633	688	872	6 721	-3.0%	6 929
<b>= Indigenous Production</b>	<b>3 658</b>	<b>-5.1%</b>	<b>2 478</b>	<b>3 144</b>	<b>3 347</b>	<b>34 941</b>	<b>-0.8%</b>	<b>35 226</b>
+ Imports	849	2.3%	1 064	766	735	11 209	-12.5%	12 813
- Exports	1 167	-11.5%	800	896	989	10 875	-4.3%	11 361
<b>= Electricity Supplied</b>	<b>3 340</b>	<b>-0.8%</b>	<b>2 742</b>	<b>3 014</b>	<b>3 093</b>	<b>35 275</b>	<b>-3.8%</b>	<b>36 678</b>

- Electricity production was 3 658 GWh in December 2009.
  - This was lower by 196 GWh, or 5.1%, compared to December 2008.
  - This was an increase of 311 GWh, or 9.3%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 50%, or 1 GWh.
- Total production for the year-to-date was 34 941 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 285 GWh, or 0.8%.
  - Hydro production showed the largest percentage change by fuel type, being 33.3% lower.
  - Trade volume decreased by 2 090 GWh, or 8.6%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

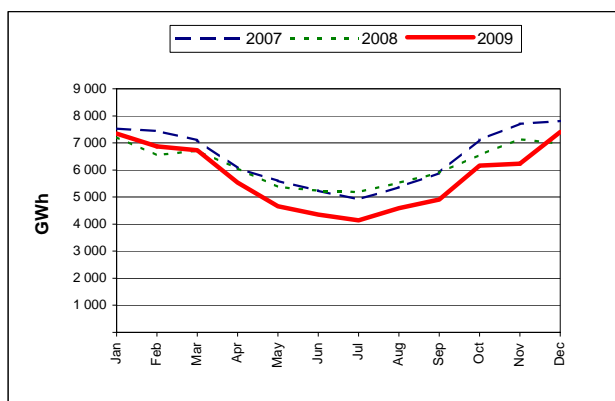
- Excludes Greenland and the Faroe Islands.

## FINLAND

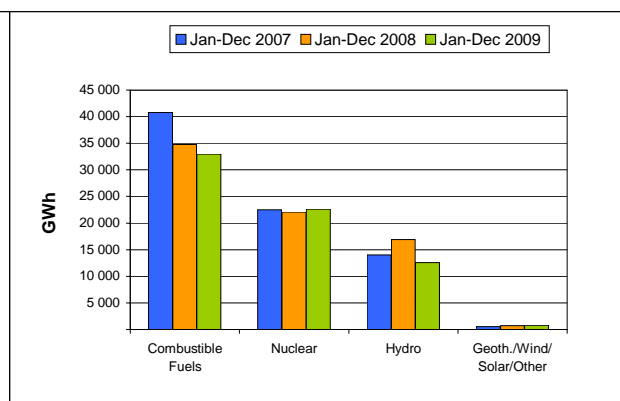
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	4 233	23.5%	2 336	3 169	3 355	32 995	-5.2%	34 797
+ Nuclear	2 022	0.0%	1 567	2 003	1 944	22 593	2.4%	22 053
+ Hydro	1 080	-25.5%	916	920	853	12 575	-25.6%	16 910
+ Geoth./Wind/Solar/Other	72	-6.5%	91	64	80	761	5.5%	721
<b>= Indigenous Production</b>	<b>7 407</b>	<b>6.2%</b>	<b>4 910</b>	<b>6 156</b>	<b>6 232</b>	<b>68 924</b>	<b>-7.5%</b>	<b>74 481</b>
+ Imports	1 402	9.3%	1 318	1 339	1 350	15 459	-4.0%	16 108
- Exports	577	-16.3%	67	184	299	3 374	1.2%	3 334
<b>= Electricity Supplied</b>	<b>8 232</b>	<b>8.8%</b>	<b>6 161</b>	<b>7 311</b>	<b>7 283</b>	<b>81 009</b>	<b>-7.2%</b>	<b>87 255</b>

- Electricity production was 7 407 GWh in December 2009.
  - This was higher by 433 GWh, or 6.2%, compared to December 2008.
  - This was an increase of 1 175 GWh, or 18.9%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 26.6%, or 227 GWh.
- Total production for the year-to-date was 68 924 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 5 557 GWh, or 7.5%.
  - Hydro production showed the largest percentage change by fuel type, being 25.6% lower.
  - Trade volume decreased by 609 GWh, or 3.1%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



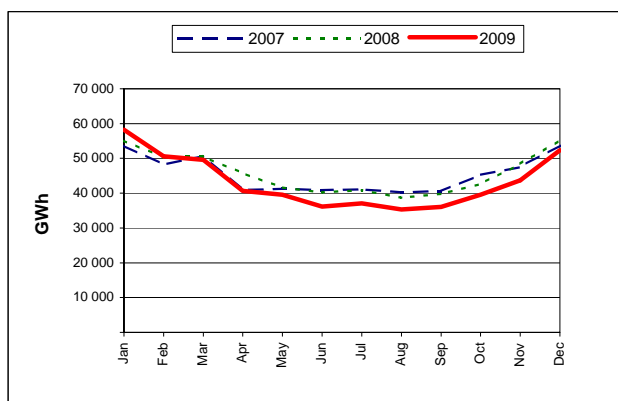
## COUNTRY NOTES:

## FRANCE

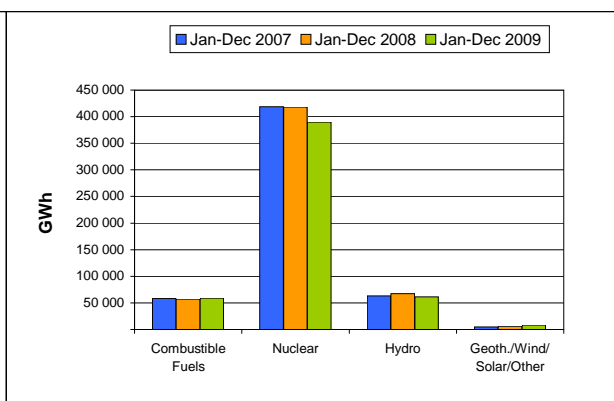
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	8 199	6.9%	3 856	4 888	7 136	59 031	2.9%	57 389
+ Nuclear	37 853	-8.4%	28 680	30 932	31 461	389 999	-6.8%	418 298
+ Hydro	5 223	-5.7%	2 926	3 020	3 712	61 394	-9.2%	67 647
+ Geoth./Wind/Solar/Other	1 027	42.4%	592	690	1 416	8 297	33.0%	6 238
<b>= Indigenous Production</b>	<b>52 302</b>	<b>-5.3%</b>	<b>36 054</b>	<b>39 530</b>	<b>43 725</b>	<b>518 721</b>	<b>-5.6%</b>	<b>549 572</b>
+ Imports	2 665	70.4%	1 798	2 922	2 152	20 760	94.3%	10 683
- Exports	3 218	-25.6%	2 906	2 209	3 069	45 081	-23.2%	58 690
<b>= Electricity Supplied</b>	<b>51 749</b>	<b>-1.4%</b>	<b>34 946</b>	<b>40 243</b>	<b>42 808</b>	<b>494 400</b>	<b>-1.4%</b>	<b>501 565</b>

- Electricity production was 52 302 GWh in December 2009.
  - This was lower by 2 933 GWh, or 5.3%, compared to December 2008.
  - This was an increase of 8 577 GWh, or 19.6%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 40.7%, or 1 511 GWh.
- Total production for the year-to-date was 518 721 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 30 851 GWh, or 5.6%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 33% higher.
  - Trade volume decreased by 3 532 GWh, or 5.1%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

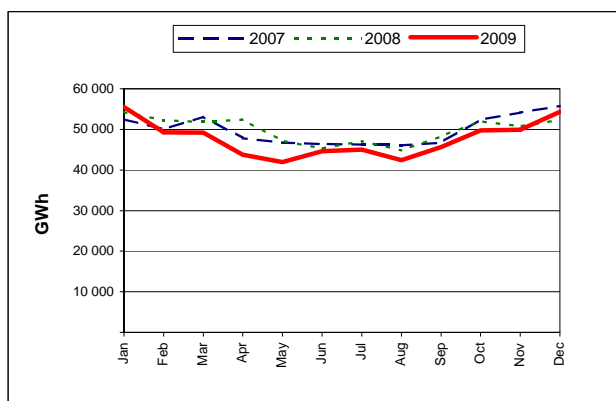
- Includes Monaco, but excludes the French overseas territories Guadeloupe, Martinique, Guyane, Reunion, St.-Pierre and Miquelon, New Caledonia and French Polynesia.
- The share of electricity production from independent power producers is estimated by the IEA Secretariat.

## GERMANY

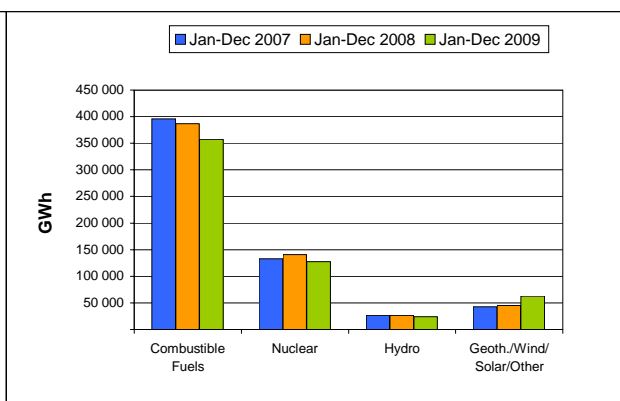
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	33 879	2.0%	28 504	32 295	30 916	357 134	-7.6%	386 693 e
+ Nuclear	12 301	-3.6%	9 786	10 086	11 366	127 403	-9.5%	140 709
+ Hydro	2 113	5.8%	1 764	1 620	1 759	24 189	-8.7%	26 503
+ Geoth./Wind/Solar/Other	6 061	39.2%	5 571	5 734	5 897	62 671	39.2%	45 012
<b>= Indigenous Production</b>	<b>54 354</b>	<b>3.9%</b>	<b>45 625</b>	<b>49 735</b>	<b>49 938</b>	<b>571 397</b>	<b>-4.6%</b>	<b>598 917 e</b>
+ Imports	2 911	-13.8%	3 235	3 334	2 632	41 857	0.4%	41 670
- Exports	6 133	0.1%	3 916	4 689	5 780	53 843	-12.7%	61 701
<b>= Electricity Supplied</b>	<b>51 132</b>	<b>3.1%</b>	<b>44 944</b>	<b>48 380</b>	<b>46 790</b>	<b>559 411</b>	<b>-3.4%</b>	<b>578 886 e</b>

- Electricity production was 54 354 GWh in December 2009.
  - This was higher by 2 032 GWh, or 3.9%, compared to December 2008.
  - This was an increase of 4 416 GWh, or 8.8%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 20.1%, or 354 GWh.
- Total production for the year-to-date was 571 397 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 27 520 GWh, or 4.6%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 39.2% higher.
  - Trade volume decreased by 7 671 GWh, or 7.4%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

- Net production is estimated from monthly submission of gross production.
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.

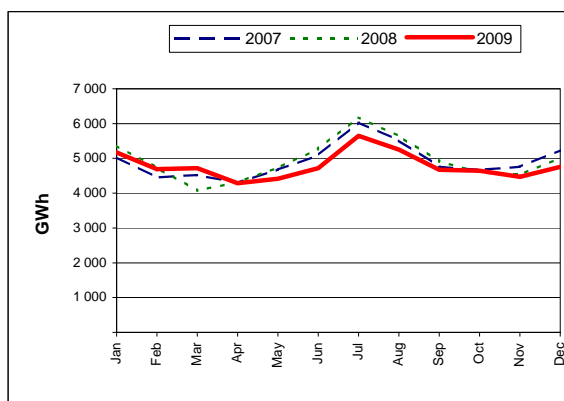
## GREECE

GWh

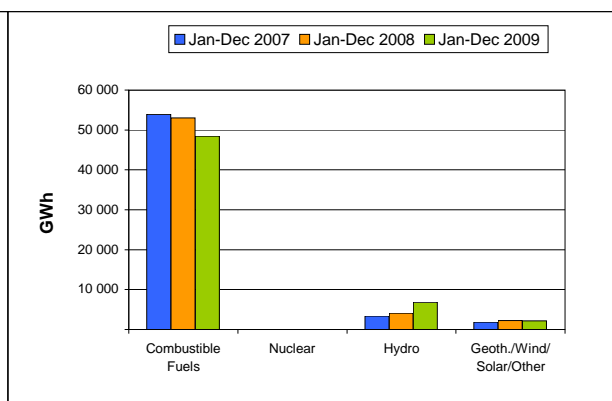
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	3 765	-16.6%	4 106	3 973	3 419	48 428	-8.7%	53 052 e
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	812	161.1%	385	495	872	6 843	66.6%	4 107
+ Geoth./Wind/Solar/Other	181	-3.2%	180	181	181	2 186	-2.8%	2 248
<b>= Indigenous Production</b>	<b>4 758</b>	<b>-5.1%</b>	<b>4 671</b>	<b>4 649</b>	<b>4 472</b>	<b>57 457</b>	<b>-3.3%</b>	<b>59 407 e</b>
+ Imports	513	17.9%	650	406	486	6 215	-18.0%	7 577
- Exports	1 085	0.0%	623	208	392	5 147	162.2%	1 963
<b>= Electricity Supplied</b>	<b>4 186</b>	<b>-23.2%</b>	<b>4 698</b>	<b>4 847</b>	<b>4 566</b>	<b>58 525</b>	<b>-10.0%</b>	<b>65 021 e</b>

- Electricity production was 4 758 GWh in December 2009.
  - This was lower by 257 GWh, or 5.1%, compared to December 2008.
  - This was an increase of 286 GWh, or 6.4%, compared to the previous month.
  - Combustible Fuels production showed the most significant percentage change compared to the previous month with an increase of 10.1%, or 346 GWh.
- Total production for the year-to-date was 57 457 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 1 950 GWh, or 3.3%.
  - Hydro production showed the largest percentage change by fuel type, being 66.6% higher.
  - Trade volume increased by 1 822 GWh, or 19.1%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

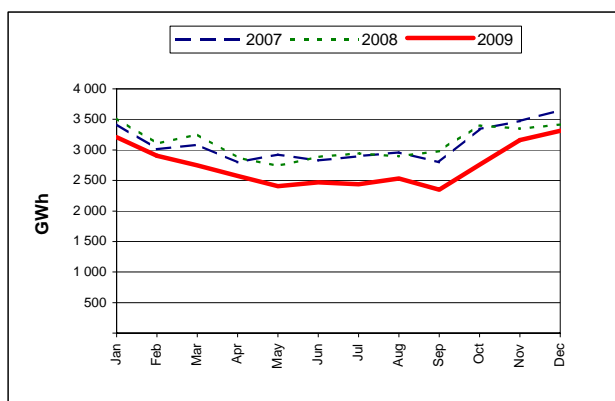
## HUNGARY

GWh

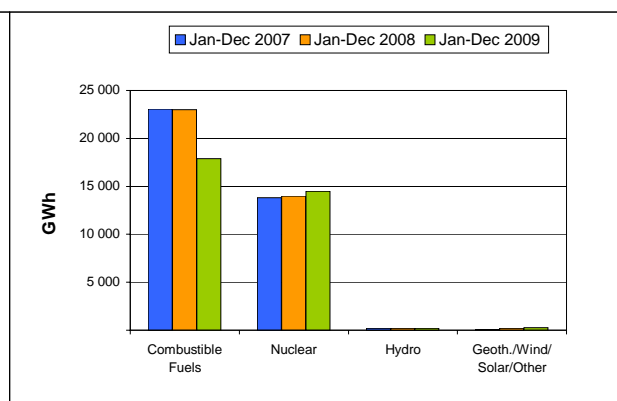
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	1 829	-7.5%	1 290	1 637	1 804	17 907	-22.2%	23 005
+ Nuclear	1 440	2.6%	1 024	1 079	1 317	14 471	3.6%	13 969
+ Hydro	19	18.8%	13	20	19	216	3.8%	208
+ Geoth./Wind/Solar/Other	24	14.3%	20	22	21	266	31.7%	202
<b>= Indigenous Production</b>	<b>3 312</b>	<b>-3.1%</b>	<b>2 347</b>	<b>2 758</b>	<b>3 161</b>	<b>32 860</b>	<b>-12.1%</b>	<b>37 384</b>
+ Imports	908	7.1%	1 107	990	803	11 178	-12.5%	12 774
- Exports	850	-3.4%	282	429	641	5 507	-37.9%	8 872
<b>= Electricity Supplied</b>	<b>3 370</b>	<b>-0.5%</b>	<b>3 172</b>	<b>3 319</b>	<b>3 323</b>	<b>38 531</b>	<b>-6.7%</b>	<b>41 286</b>

- Electricity production was 3 312 GWh in December 2009.
  - This was lower by 106 GWh, or 3.1%, compared to December 2008.
  - This was an increase of 151 GWh, or 4.8%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with an increase of 14.3%, or 3 GWh.
- Total production for the year-to-date was 32 860 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 4 524 GWh, or 12.1%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 31.7% higher.
  - Trade volume decreased by 4 961 GWh, or 22.9%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

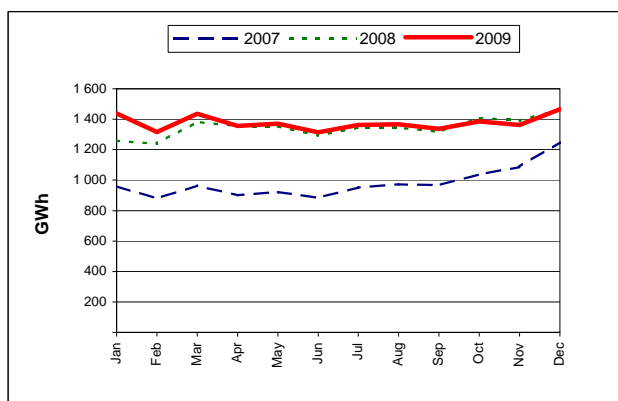
- Net production is estimated from monthly submission of gross production.

## ICELAND

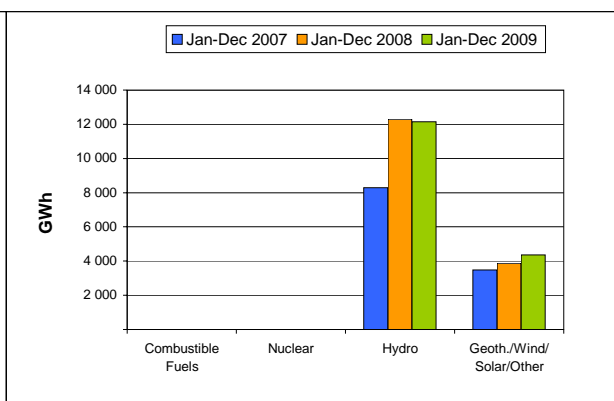
	GWh							
	Dec-09	Dec-08	The last 3 months			Year-to-Date		Past Year
		% change	Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	2008
+ Combustible Fuels	0	0.0%	0	0	0	0	0.0%	0
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	1 083	1.4%	1 001	1 004	992	12 141	-1.3%	12 295
+ Geoth./Wind/Solar/Other	382	-3.5%	337	381	370	4 369	13.0%	3 868
<b>= Indigenous Production</b>	<b>1 465</b>	<b>0.1%</b>	<b>1 338</b>	<b>1 385</b>	<b>1 362</b>	<b>16 510</b>	<b>2.1%</b>	<b>16 163</b>
+ Imports	0	0.0%	0	0	0	0	0.0%	0
- Exports	0	0.0%	0	0	0	0	0.0%	0
<b>= Electricity Supplied</b>	<b>1 465</b>	<b>0.1%</b>	<b>1 338</b>	<b>1 385</b>	<b>1 362</b>	<b>16 510</b>	<b>2.1%</b>	<b>16 163</b>

- Electricity production was 1 465 GWh in December 2009.
  - This was higher by 1 GWh, or 0.1%, compared to December 2008.
  - This was an increase of 103 GWh, or 7.6%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 9.2%, or 91 GWh.
- Total production for the year-to-date was 16 510 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 347 GWh, or 2.1%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 13% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

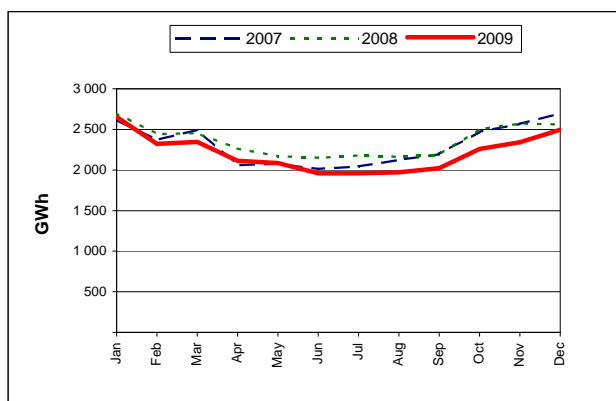
- Net production is estimated from monthly submission of gross production.

## IRELAND

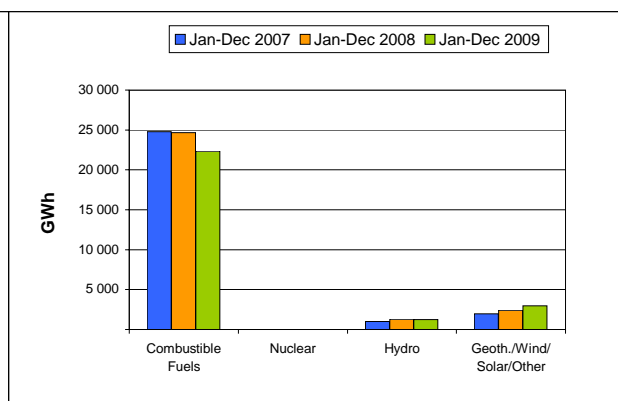
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	2 054	-5.0%	1 720	1 945	1 773	22 336	-9.5%	24 669
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	159	20.5%	101	75	170	1 233	-4.0%	1 285
+ Geoth./Wind/Solar/Other	284	5.6%	201	237	397	2 956	22.7%	2 409
<b>= Indigenous Production</b>	<b>2 497</b>	<b>-2.6%</b>	<b>2 022</b>	<b>2 257</b>	<b>2 340</b>	<b>26 525</b>	<b>-6.5%</b>	<b>28 363</b>
+ Imports	71	-7.8%	100	32	46	939	24.5%	754
- Exports	14	7.7%	2	23	23	177	-41.6%	303
<b>= Electricity Supplied</b>	<b>2 554</b>	<b>-2.8%</b>	<b>2 120</b>	<b>2 266</b>	<b>2 363</b>	<b>27 287</b>	<b>-5.3%</b>	<b>28 814</b>

- Electricity production was 2 497 GWh in December 2009.
  - This was lower by 67 GWh, or 2.6%, compared to December 2008.
  - This was an increase of 157 GWh, or 6.7%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with a decrease of 28.5%, or 113 GWh.
- Total production for the year-to-date was 26 525 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 1 838 GWh, or 6.5%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 22.7% higher.
  - Trade volume increased by 59 GWh, or 5.6%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

## ITALY

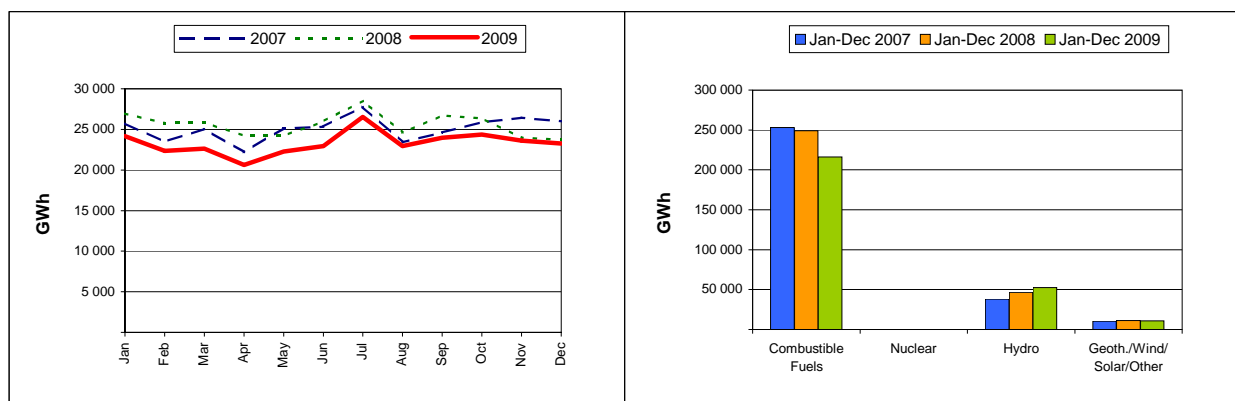
GWh

	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	18 915	-0.4%	19 465	20 296	19 162	216 144	-13.3%	249 264
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	3 413	-11.4%	3 619	3 161	3 545	52 697	12.9%	46 673
+ Geoth./Wind/Solar/Other	924	3.0%	877	920	895	10 774	-3.2%	11 127
<b>= Indigenous Production</b>	<b>23 252</b>	<b>-2.0%</b>	<b>23 961</b>	<b>24 377</b>	<b>23 602</b>	<b>279 615</b>	<b>-8.9%</b>	<b>307 064</b>
+ Imports	4 327	6.1%	3 698	3 821	3 901	47 933	11.5%	42 997
- Exports	294	-31.9%	191	175	192	2 066	-39.8%	3 431
<b>= Electricity Supplied</b>	<b>27 285</b>	<b>-0.4%</b>	<b>27 468</b>	<b>28 023</b>	<b>27 311</b>	<b>325 482</b>	<b>-6.1%</b>	<b>346 630</b>

- Electricity production was 23 252 GWh in December 2009.
  - This was lower by 483 GWh, or 2%, compared to December 2008.
  - This was a decrease of 350 GWh, or 1.5%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with a decrease of 3.7%, or 132 GWh.
- Total production for the year-to-date was 279 615 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 27 449 GWh, or 8.9%.
  - Combustible Fuels production showed the largest percentage change by fuel type, being 13.3% lower.
  - Trade volume increased by 3 571 GWh, or 7.7%.

Electricity Production Compared to Previous Year

'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

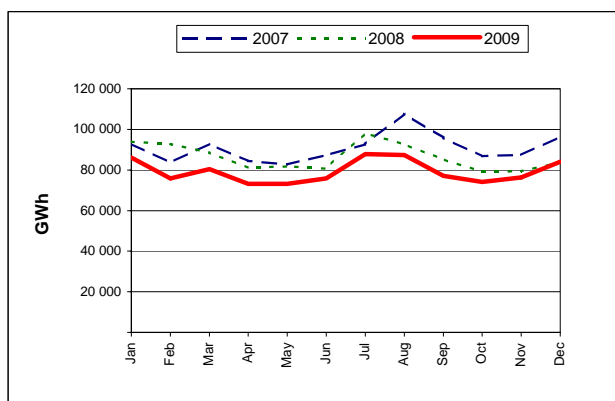
- Includes San Marino and the Vatican.
- Net production is estimated from monthly submission of gross production.
- Production and trade data for October-December 2009 are estimated by the IEA Secretariat.

## JAPAN

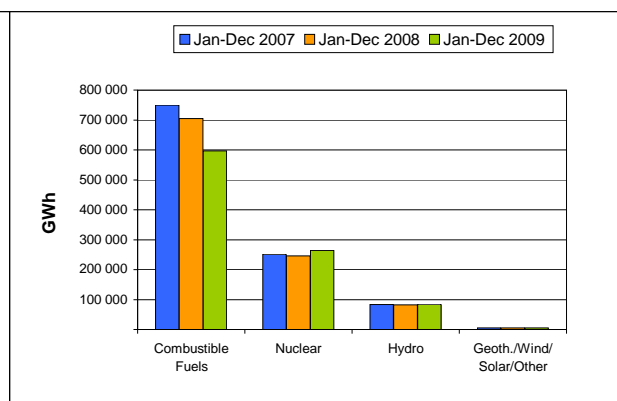
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	51 828	-7.3%	49 586	46 356	47 785	596 957	-15.2%	704 309
+ Nuclear	26 462	17.6%	21 396	22 198	22 834	264 513	7.4%	246 191
+ Hydro	5 255	7.3%	5 594	5 178	5 221	84 545	2.5%	82 509
+ Geoth./Wind/Solar/Other	428	-9.9%	479	388	414	5 274	2.4%	5 150
<b>= Indigenous Production</b>	<b>83 973</b>	<b>0.3%</b>	<b>77 055</b>	<b>74 120</b>	<b>76 254</b>	<b>951 289</b>	<b>-8.4%</b>	<b>1 038 159</b>
+ Imports	0	0.0%	0	0	0	0	0.0%	0
- Exports	0	0.0%	0	0	0	0	0.0%	0
<b>= Electricity Supplied</b>	<b>83 973</b>	<b>0.3%</b>	<b>77 055</b>	<b>74 120</b>	<b>76 254</b>	<b>951 289</b>	<b>-8.4%</b>	<b>1 038 159</b>

- Electricity production was 83 973 GWh in December 2009.
  - This was higher by 211 GWh, or 0.3%, compared to December 2008.
  - This was an increase of 7 719 GWh, or 10.1%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 15.9%, or 3 628 GWh.
- Total production for the year-to-date was 951 289 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 86 870 GWh, or 8.4%.
  - Combustible Fuels production showed the largest percentage change by fuel type, being 15.2% lower.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

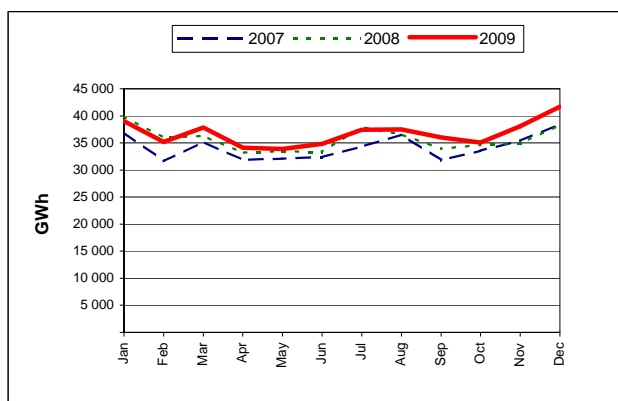
- Net production is estimated based on monthly submission for main producers.
- The breakdown of supplementary production sources is calculated annually by the IEA Secretariat.

## KOREA

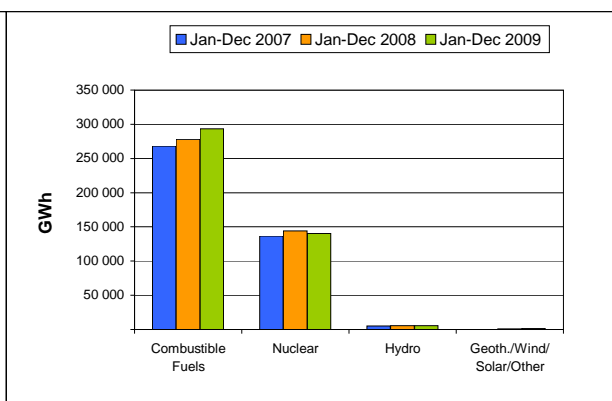
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	29 703	17.2%	24 578	23 036	26 800	293 464	5.5%	278 118
+ Nuclear	11 685	-7.5%	10 833	11 640	10 952	140 500	-2.6%	144 255
+ Hydro	203	-15.1%	479	304	231	5 530	0.6%	5 495
+ Geoth./Wind/Solar/Other	125	54.3%	110	115	120	1 218	53.8%	792
<b>= Indigenous Production</b>	<b>41 716</b>	<b>8.9%</b>	<b>36 000</b>	<b>35 095</b>	<b>38 103</b>	<b>440 712</b>	<b>2.8%</b>	<b>428 660</b>
+ Imports	0	0.0%	0	0	0	0	0.0%	0
- Exports	0	0.0%	0	0	0	0	0.0%	0
<b>= Electricity Supplied</b>	<b>41 716</b>	<b>8.9%</b>	<b>36 000</b>	<b>35 095</b>	<b>38 103</b>	<b>440 712</b>	<b>2.8%</b>	<b>428 660</b>

- Electricity production was 41 716 GWh in December 2009.
  - This was higher by 3 420 GWh, or 8.9%, compared to December 2008.
  - This was an increase of 3 613 GWh, or 9.5%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with a decrease of 12.1%, or 28 GWh.
- Total production for the year-to-date was 440 712 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 12 052 GWh, or 2.8%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 53.8% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

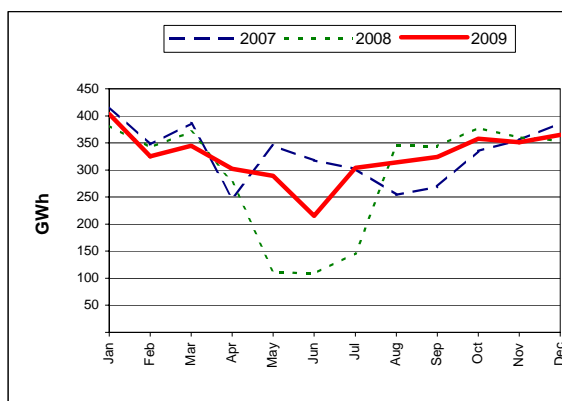
- The share of electricity production from autoproducers is estimated by the IEA Secretariat.
- Net production is estimated from monthly submission of gross production.
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.
- Production data for December 2009 are estimated by the IEA Secretariat.

## LUXEMBOURG

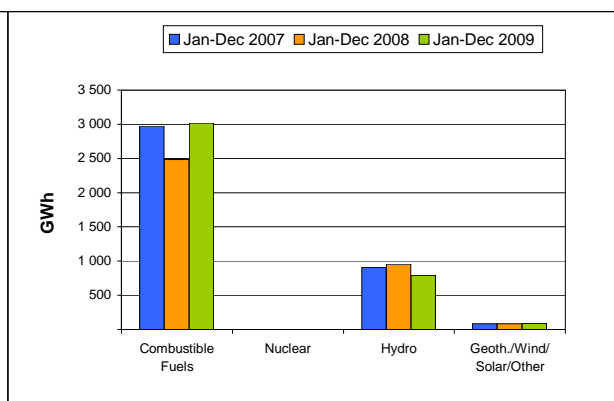
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	276	7.8%	259	284	267	3 017	21.4%	2 485
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	78	-17.0%	60	67	71	791	-17.2%	955
+ Geoth./Wind/Solar/Other	11	175.0%	5	7	13	87	6.1%	82
<b>= Indigenous Production</b>	<b>365</b>	<b>3.1%</b>	<b>324</b>	<b>358</b>	<b>351</b>	<b>3 895</b>	<b>10.6%</b>	<b>3 522</b>
+ Imports	500	6.4%	517	552	518	5 964	-12.7%	6 830
- Exports	258	0.8%	225	247	244	2 666	7.3%	2 484
<b>= Electricity Supplied</b>	<b>607</b>	<b>6.9%</b>	<b>616</b>	<b>663</b>	<b>625</b>	<b>7 193</b>	<b>-8.6%</b>	<b>7 868</b>

- Electricity production was 365 GWh in December 2009.
  - This was higher by 11 GWh, or 3.1%, compared to December 2008.
  - This was an increase of 14 GWh, or 4%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with a decrease of 15.4%, or 2 GWh.
- Total production for the year-to-date was 3 895 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 373 GWh, or 10.6%.
  - Combustible Fuels production showed the largest percentage change by fuel type, being 21.4% higher.
  - Trade volume decreased by 684 GWh, or 7.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

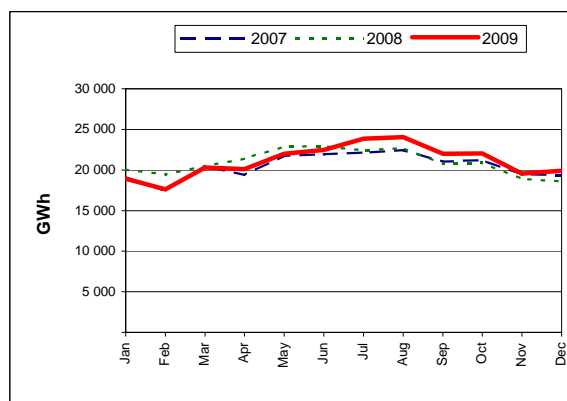
- Production and trade data for November-December 2009 are estimated by the IEA Secretariat.

## MEXICO

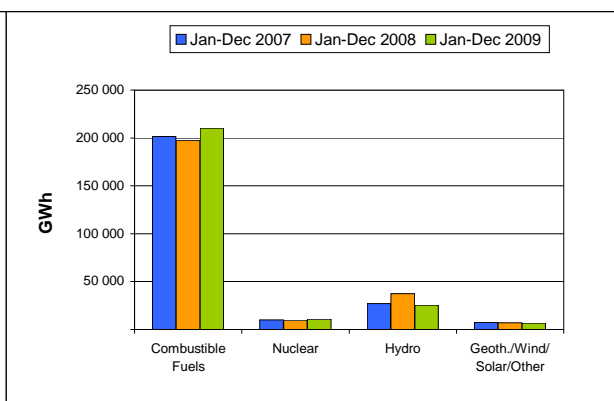
	GWh							
	Dec-09	Dec-08	The last 3 months			Year-to-Date		Past Year
		% change	Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	2008
+ Combustible Fuels	17 073	13.0%	18 400	18 558	16 781	210 250	6.4%	197 566
+ Nuclear	955	15.1%	975	972	854	10 534	8.3%	9 729
+ Hydro	1 327	-36.5%	2 074	1 950	1 371	25 342	-32.1%	37 303
+ Geoth./Wind/Solar/Other	568	-2.6%	538	543	547	6 698	-4.5%	7 012
<b>= Indigenous Production</b>	<b>19 923</b>	<b>7.0%</b>	<b>21 987</b>	<b>22 023</b>	<b>19 553</b>	<b>252 824</b>	<b>0.5%</b>	<b>251 610</b>
+ Imports	18	-10.0%	33	21	18	345	-1.7%	351
- Exports	153	-15.9%	87	155	118	1 249	-14.0%	1 453
<b>= Electricity Supplied</b>	<b>19 788</b>	<b>7.2%</b>	<b>21 933</b>	<b>21 889</b>	<b>19 453</b>	<b>251 920</b>	<b>0.6%</b>	<b>250 508</b>

- Electricity production was 19 923 GWh in December 2009.
  - This was higher by 1 308 GWh, or 7%, compared to December 2008.
  - This was an increase of 370 GWh, or 1.9%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 11.8%, or 101 GWh.
- Total production for the year-to-date was 252 824 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 1 214 GWh, or 0.5%.
  - Hydro production showed the largest percentage change by fuel type, being 32.1% lower.
  - Trade volume decreased by 210 GWh, or 11.6%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

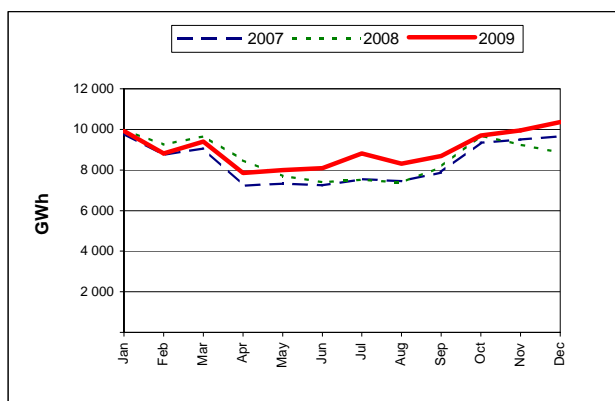
- The share of electricity production from autoproducers is estimated by the IEA Secretariat.

## NETHERLANDS

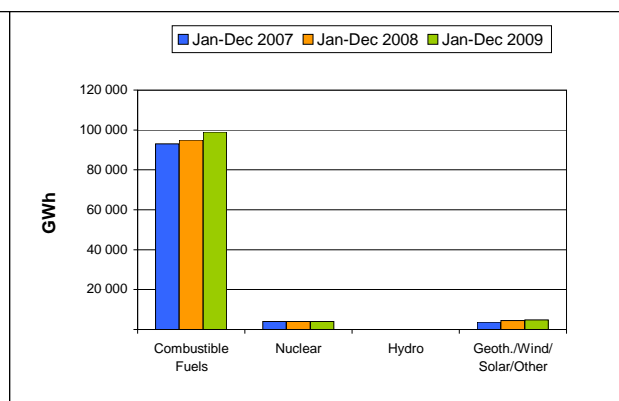
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	9 497	16.8%	7 960	8 903	8 881	99 025	4.3%	94 898
+ Nuclear	363	0.0%	341	359	349	3 999	1.7%	3 933
+ Hydro	12	-14.3%	1	3	7	97	-4.0%	101
+ Geoth./Wind/Solar/Other	490	39.6%	384	430	712	4 794	7.8%	4 446
<b>= Indigenous Production</b>	<b>10 362</b>	<b>16.9%</b>	<b>8 686</b>	<b>9 695</b>	<b>9 949</b>	<b>107 915</b>	<b>4.4%</b>	<b>103 378</b>
+ Imports	1 059	-48.3%	1 088	1 002	1 082	15 560	-37.8%	25 008
- Exports	1 275	121.0%	999	1 200	1 134	10 224	10.2%	9 281
<b>= Electricity Supplied</b>	<b>10 146</b>	<b>-1.8%</b>	<b>8 775</b>	<b>9 497</b>	<b>9 897</b>	<b>113 251</b>	<b>-4.9%</b>	<b>119 105</b>

- Electricity production was 10 362 GWh in December 2009.
  - This was higher by 1 501 GWh, or 16.9%, compared to December 2008.
  - This was an increase of 413 GWh, or 4.2%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 71.4%, or 5 GWh.
- Total production for the year-to-date was 107 915 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 4 537 GWh, or 4.4%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 7.8% higher.
  - Trade volume decreased by 8 505 GWh, or 24.8%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

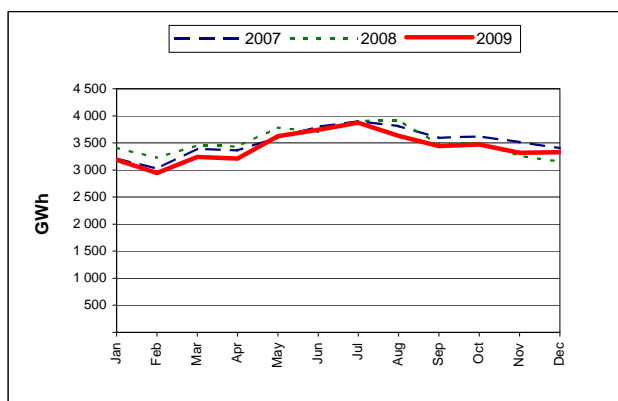
- Excludes Suriname and the Netherlands Antilles.

## NEW ZEALAND

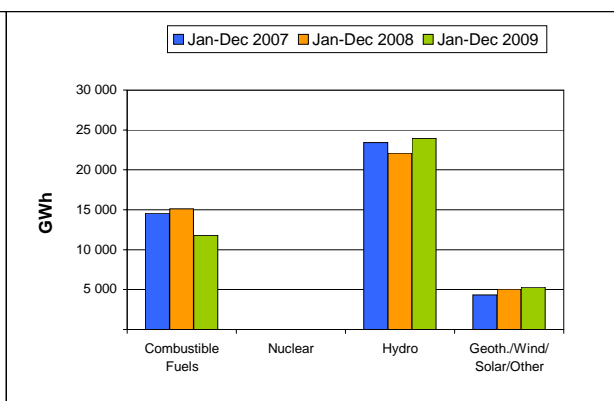
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	859	2.3%	835	761	960	11 792	-21.9%	15 101
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	2 020	7.7%	2 184	2 246	1 919	23 935	8.3%	22 091
+ Geoth./Wind/Solar/Other	449	1.6%	424	467	438	5 298	4.8%	5 055
<b>= Indigenous Production</b>	<b>3 328</b>	<b>5.4%</b>	<b>3 443</b>	<b>3 474</b>	<b>3 317</b>	<b>41 025</b>	<b>-2.9%</b>	<b>42 247</b>
+ Imports	0	0.0%	0	0	0	0	0.0%	0
- Exports	0	0.0%	0	0	0	0	0.0%	0
<b>= Electricity Supplied</b>	<b>3 328</b>	<b>5.4%</b>	<b>3 443</b>	<b>3 474</b>	<b>3 317</b>	<b>41 025</b>	<b>-2.9%</b>	<b>42 247</b>

- Electricity production was 3 328 GWh in December 2009.
  - This was higher by 170 GWh, or 5.4%, compared to December 2008.
  - This was an increase of 11 GWh, or 0.3%, compared to the previous month.
  - Combustible Fuels production showed the most significant percentage change compared to the previous month with a decrease of 10.5%, or 101 GWh.
- Total production for the year-to-date was 41 025 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 1 222 GWh, or 2.9%.
  - Combustible Fuels production showed the largest percentage change by fuel type, being 21.9% lower.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

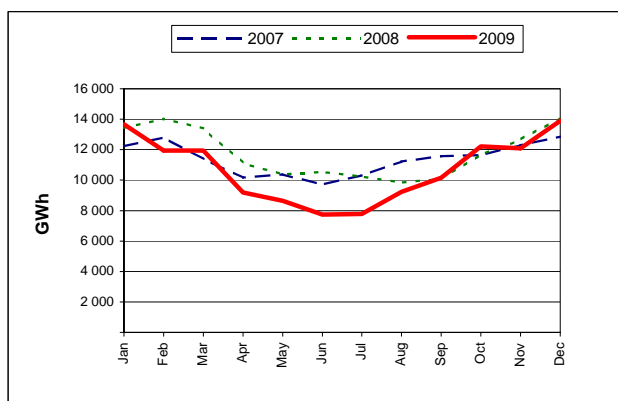
- Monthly production is estimated by the IEA Secretariat with submission by the National Administration, which covers output from major generators including state-owned enterprises (about 80-85% of New Zealand's generation).

## NORWAY

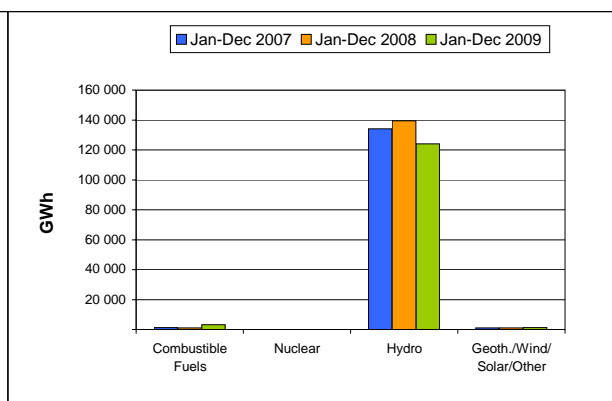
	GWh							
	Dec-09	Dec-08	The last 3 months			Year-to-Date		Past Year
		% change	Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	2008
+ Combustible Fuels	402	491.2%	251	335	327	3 178	201.2%	1 055
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	13 385	-3.4%	9 741	11 799	11 646	124 053	-11.0%	139 383
+ Geoth./Wind/Solar/Other	105	-21.6%	168	80	113	1 229	13.0%	1 088
<b>= Indigenous Production</b>	<b>13 892</b>	<b>-1.2%</b>	<b>10 160</b>	<b>12 214</b>	<b>12 086</b>	<b>128 460</b>	<b>-9.2%</b>	<b>141 526</b>
+ Imports	666	100.0%	72	207	456	5 681	66.4%	3 415
- Exports	1 283	-17.0%	1 875	1 858	1 556	14 476	-16.3%	17 292
<b>= Electricity Supplied</b>	<b>13 275</b>	<b>3.3%</b>	<b>8 357</b>	<b>10 563</b>	<b>10 986</b>	<b>119 665</b>	<b>-6.3%</b>	<b>127 649</b>

- Electricity production was 13 892 GWh in December 2009.
  - This was lower by 171 GWh, or 1.2%, compared to December 2008.
  - This was an increase of 1 806 GWh, or 14.9%, compared to the previous month.
  - Combustible Fuels production showed the most significant percentage change compared to the previous month with an increase of 22.9%, or 75 GWh.
- Total production for the year-to-date was 128 460 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 13 066 GWh, or 9.2%.
  - Combustible Fuels production showed the largest percentage change by fuel type, being 201.2% higher.
  - Trade volume decreased by 550 GWh, or 2.7%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

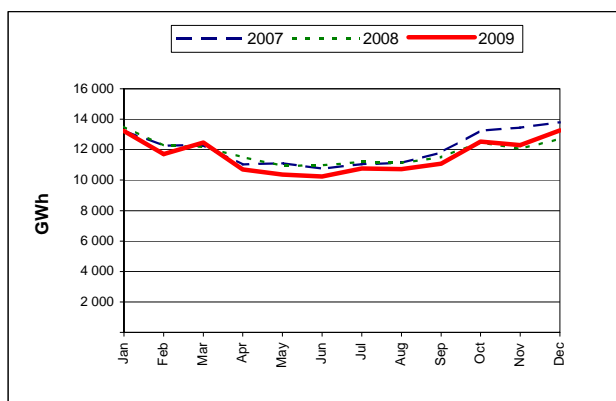
- Net production is estimated from monthly submission of gross production.

## POLAND

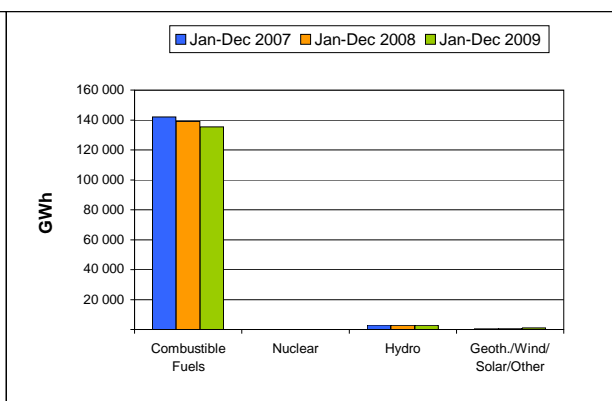
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	12 899	4.0%	10 845	12 205	11 867	135 436	-2.6%	139 002
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	262	12.4%	158	220	281	2 880	5.7%	2 724
+ Geoth./Wind/Solar/Other	98	16.7%	85	104	155	1 062	27.0%	836
<b>= Indigenous Production</b>	<b>13 259</b>	<b>4.2%</b>	<b>11 088</b>	<b>12 529</b>	<b>12 303</b>	<b>139 378</b>	<b>-2.2%</b>	<b>142 562</b>
+ Imports	688	29.8%	722	716	804	7 403	-12.7%	8 481
- Exports	954	5.8%	859	947	1 047	9 615	-0.9%	9 704
<b>= Electricity Supplied</b>	<b>12 993</b>	<b>5.2%</b>	<b>10 951</b>	<b>12 298</b>	<b>12 060</b>	<b>137 166</b>	<b>-3.0%</b>	<b>141 339</b>

- Electricity production was 13 259 GWh in December 2009.
  - This was higher by 538 GWh, or 4.2%, compared to December 2008.
  - This was an increase of 956 GWh, or 7.8%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with a decrease of 36.8%, or 57 GWh.
- Total production for the year-to-date was 139 378 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 3 184 GWh, or 2.2%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 27% higher.
  - Trade volume decreased by 1 167 GWh, or 6.4%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

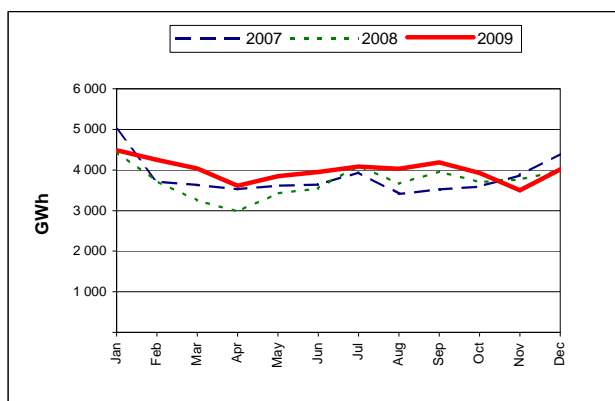
## PORTUGAL

GWh

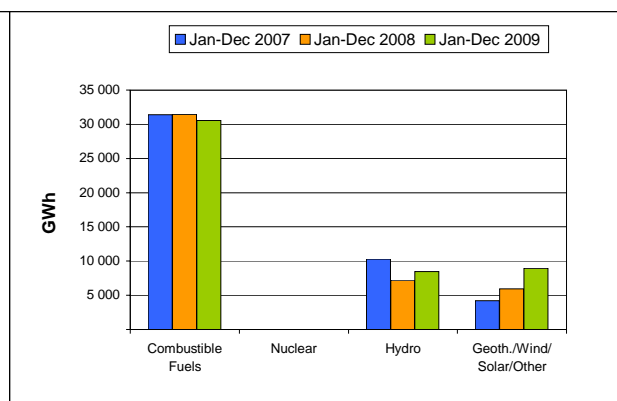
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	2 120	-21.1%	2 897	2 597	1 969	30 540	-2.9%	31 447
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	1 018	41.6%	483	500	679	8 470	17.7%	7 199
+ Geoth./Wind/Solar/Other	878	50.3%	806	830	853	8 921	50.3%	5 934
<b>= Indigenous Production</b>	<b>4 016</b>	<b>0.6%</b>	<b>4 186</b>	<b>3 927</b>	<b>3 501</b>	<b>47 931</b>	<b>7.5%</b>	<b>44 580</b>
+ Imports	666	-37.8%	497	594	666	7 837	-27.1%	10 744
- Exports	214	-14.7%	194	165	214	2 501	90.2%	1 315
<b>= Electricity Supplied</b>	<b>4 468</b>	<b>-7.1%</b>	<b>4 489</b>	<b>4 356</b>	<b>3 953</b>	<b>53 267</b>	<b>-1.4%</b>	<b>54 009</b>

- Electricity production was 4 016 GWh in December 2009.
  - This was higher by 25 GWh, or 0.6%, compared to December 2008.
  - This was an increase of 515 GWh, or 14.7%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 49.9%, or 339 GWh.
- Total production for the year-to-date was 47 931 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 3 351 GWh, or 7.5%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 50.3% higher.
  - Trade volume decreased by 1 721 GWh, or 14.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

- Includes the Açores and Madeira.
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.
- Production and trade data for December 2009 are estimated by the IEA Secretariat.

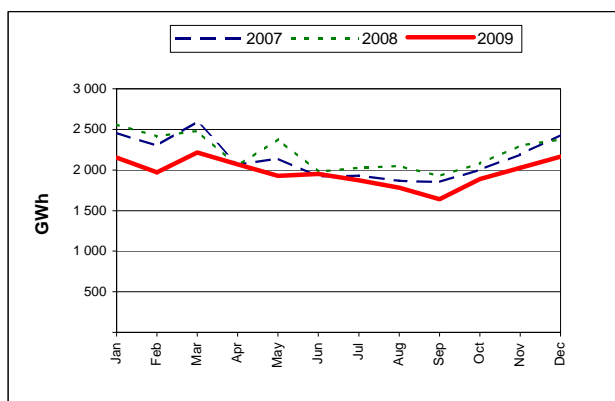
## SLOVAK REPUBLIC

GWh

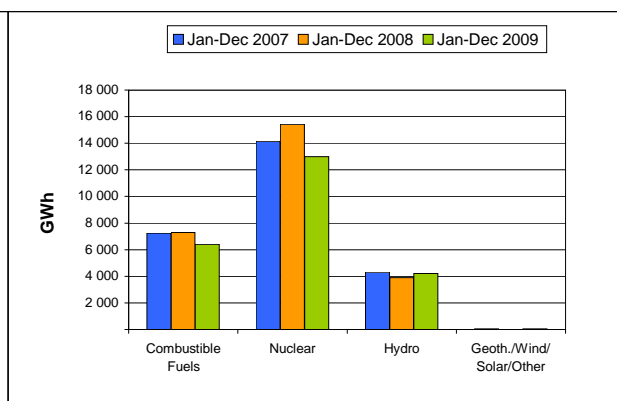
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	591	-7.4%	494	564	499	6 402	-12.2%	7 289
+ Nuclear	1 205	-15.6%	893	1 050	1 227	13 005	-15.7%	15 429
+ Hydro	363	17.5%	248	273	298	4 216	8.5%	3 887
+ Geoth./Wind/Solar/Other	4	33.3%	3	3	3	37	2.8%	36
<b>= Indigenous Production</b>	<b>2 163</b>	<b>-9.0%</b>	<b>1 638</b>	<b>1 890</b>	<b>2 027</b>	<b>23 660</b>	<b>-11.2%</b>	<b>26 641</b>
+ Imports	933	69.6%	1 046	1 028	819	9 198	-2.3%	9 412
- Exports	763	28.5%	676	686	614	7 680	-13.6%	8 889
<b>= Electricity Supplied</b>	<b>2 333</b>	<b>0.0%</b>	<b>2 008</b>	<b>2 232</b>	<b>2 232</b>	<b>25 178</b>	<b>-7.3%</b>	<b>27 164</b>

- Electricity production was 2 163 GWh in December 2009.
  - This was lower by 215 GWh, or 9%, compared to December 2008.
  - This was an increase of 136 GWh, or 6.7%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with an increase of 33.3%, or 1 GWh.
- Total production for the year-to-date was 23 660 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 2 981 GWh, or 11.2%.
  - Nuclear production showed the largest percentage change by fuel type, being 15.7% lower.
  - Trade volume decreased by 1 423 GWh, or 7.8%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

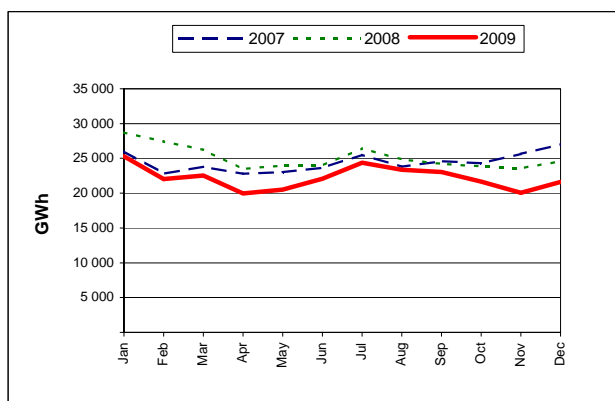
- Net production is estimated from monthly submission of gross production.
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.

## SPAIN

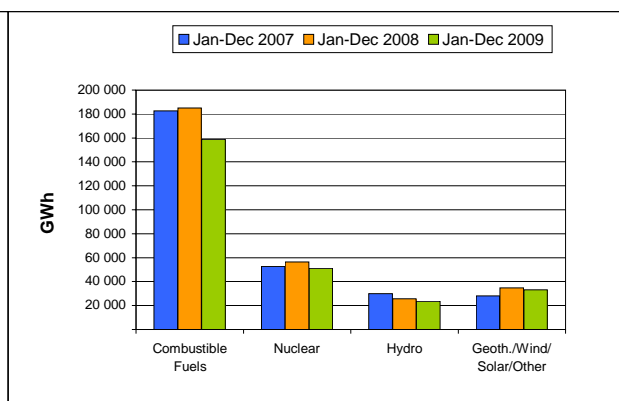
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	12 155	-16.5%	14 861	13 830	11 587	158 893	-14.1%	184 921 e
+ Nuclear	3 958	-19.8%	4 544	3 939	3 965	50 943	-9.5%	56 293
+ Hydro	2 799	24.0%	914	1 158	1 786	23 419	-9.0%	25 724 e
+ Geoth./Wind/Solar/Other	2 717	-4.2%	2 744	2 735	2 726	33 244	-4.2%	34 692 e
<b>= Indigenous Production</b>	<b>21 629</b>	<b>-12.0%</b>	<b>23 063</b>	<b>21 662</b>	<b>20 064</b>	<b>266 499</b>	<b>-11.6%</b>	<b>301 630 e</b>
+ Imports	720	3.6%	413	357	421	6 912	17.5%	5 882
- Exports	1 167	-28.1%	1 125	1 307	1 317	14 954	-11.6%	16 920
<b>= Electricity Supplied</b>	<b>21 182</b>	<b>-10.5%</b>	<b>22 351</b>	<b>20 712</b>	<b>19 168</b>	<b>258 457</b>	<b>-11.1%</b>	<b>290 592 e</b>

- Electricity production was 21 629 GWh in December 2009.
  - This was lower by 2 960 GWh, or 12%, compared to December 2008.
  - This was an increase of 1 565 GWh, or 7.8%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 56.7%, or 1 013 GWh.
- Total production for the year-to-date was 266 499 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 35 131 GWh, or 11.6%.
  - Combustible Fuels production showed the largest percentage change by fuel type, being 14.1% lower.
  - Trade volume decreased by 936 GWh, or 4.1%.

## Electricity Production Compared to Previous Year



## 'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

- Includes the Canary Islands.
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.

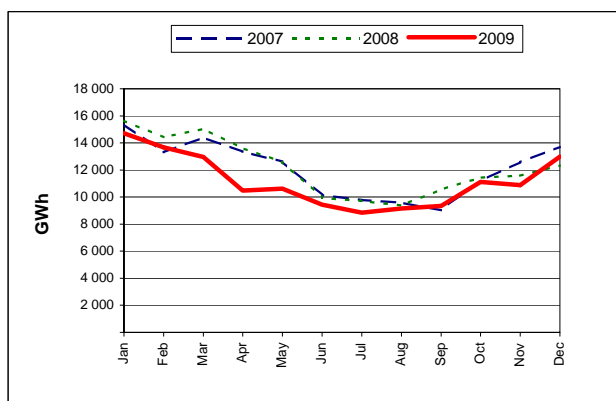
## SWEDEN

GWh

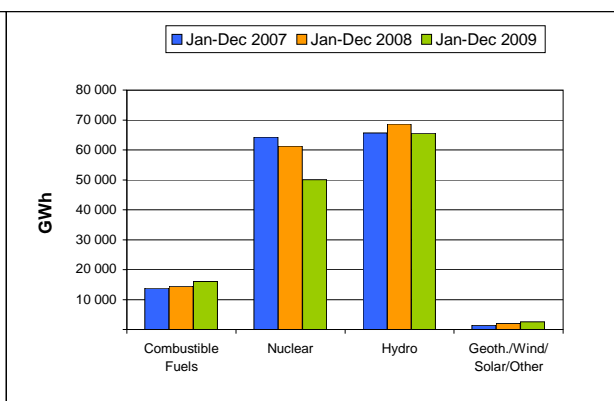
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	2 231	35.3%	955	1 489	1 531	16 039	11.2%	14 428
+ Nuclear	3 750	-10.9%	2 542	3 423	3 319	50 068	-18.4%	61 323
+ Hydro	6 798	7.1%	5 538	5 942	5 684	65 532	-4.6%	68 657
+ Geoth./Wind/Solar/Other	213	46.9%	300	257	338	2 521	26.1%	2 000
<b>= Indigenous Production</b>	<b>12 992</b>	<b>5.2%</b>	<b>9 335</b>	<b>11 111</b>	<b>10 872</b>	<b>134 160</b>	<b>-8.4%</b>	<b>146 408</b>
+ Imports	1 928	3.9%	1 168	1 462	1 774	13 771	8.0%	12 753
- Exports	273	-10.5%	558	355	246	9 085	-38.2%	14 712
<b>= Electricity Supplied</b>	<b>14 647</b>	<b>5.4%</b>	<b>9 945</b>	<b>12 218</b>	<b>12 400</b>	<b>138 846</b>	<b>-3.9%</b>	<b>144 449</b>

- Electricity production was 12 992 GWh in December 2009.
  - This was higher by 643 GWh, or 5.2%, compared to December 2008.
  - This was an increase of 2 120 GWh, or 19.5%, compared to the previous month.
  - Combustible Fuels production showed the most significant percentage change compared to the previous month with an increase of 45.7%, or 700 GWh.
- Total production for the year-to-date was 134 160 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 12 248 GWh, or 8.4%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 26.1% higher.
  - Trade volume decreased by 4 609 GWh, or 16.8%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



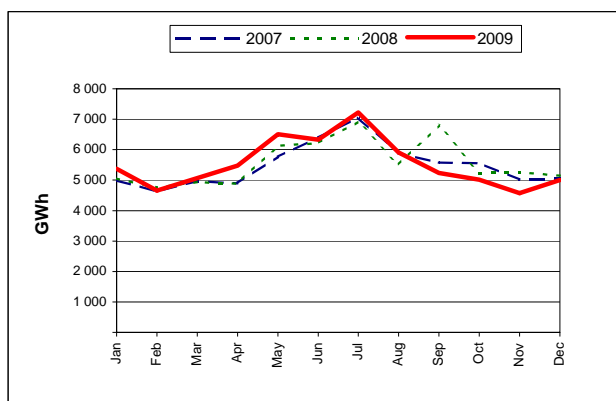
## COUNTRY NOTES:

## SWITZERLAND

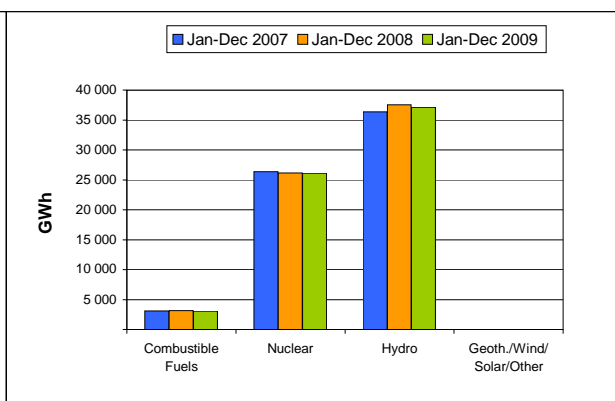
	GWh							
	Dec-09	Dec-08	The last 3 months			Year-to-Date		Past Year
		% change	Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	2008
+ Combustible Fuels	276	2.2%	256	257	270	3 067	-2.1%	3 132
+ Nuclear	2 422	-0.1%	2 056	2 403	2 320	26 119	0.0%	26 132
+ Hydro	2 302	-6.3%	2 916	2 356	1 976	37 137	-1.1%	37 560
+ Geoth./Wind/Solar/Other	3	-25.0%	3	3	3	36	-25.0%	48
<b>= Indigenous Production</b>	<b>5 003</b>	<b>-2.9%</b>	<b>5 231</b>	<b>5 019</b>	<b>4 569</b>	<b>66 359</b>	<b>-0.8%</b>	<b>66 872</b>
+ Imports	3 069	2.2%	2 642	3 132	3 069	32 417	2.6%	31 599
- Exports	2 473	1.6%	2 843	2 937	2 473	34 293	4.8%	32 736
<b>= Electricity Supplied</b>	<b>5 599</b>	<b>-2.1%</b>	<b>5 030</b>	<b>5 214</b>	<b>5 165</b>	<b>64 483</b>	<b>-1.9%</b>	<b>65 735</b>

- Electricity production was 5 003 GWh in December 2009.
  - This was lower by 151 GWh, or 2.9%, compared to December 2008.
  - This was an increase of 434 GWh, or 9.5%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 16.5%, or 326 GWh.
- Total production for the year-to-date was 66 359 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 513 GWh, or 0.8%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 25% lower.
  - Trade volume increased by 2 375 GWh, or 3.7%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

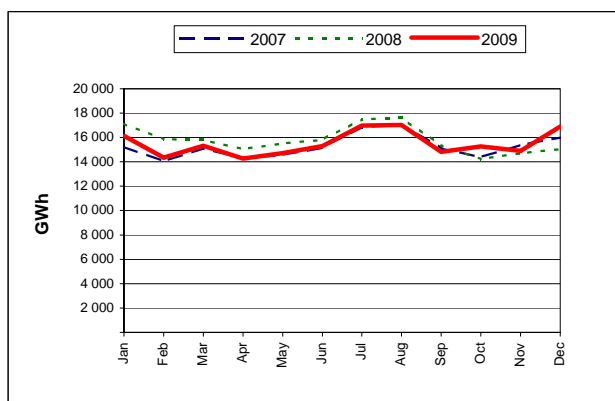
- Does not include Liechtenstein.
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.
- The production data for December 2009 are provisional data.
- The trade data for December 2009 are estimated by the IEA Secretariat.

## TURKEY

	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	13 399	3.1%	11 883	12 402	11 759	148 239	-4.8%	155 764
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	3 187	65.9%	2 725	2 665	2 967	35 605	7.9%	33 010
+ Geoth./Wind/Solar/Other	300	136.2%	204	196	185	2 140	116.2%	990
<b>= Indigenous Production</b>	<b>16 886</b>	<b>12.2%</b>	<b>14 812</b>	<b>15 263</b>	<b>14 911</b>	<b>185 984</b>	<b>-2.0%</b>	<b>189 764</b>
+ Imports	96	62.7%	53	37	92	814	2.8%	792
- Exports	227	120.4%	175	101	124	1 550	45.8%	1 063
<b>= Electricity Supplied</b>	<b>16 755</b>	<b>11.7%</b>	<b>14 690</b>	<b>15 199</b>	<b>14 879</b>	<b>185 248</b>	<b>-2.2%</b>	<b>189 493</b>

- Electricity production was 16 886 GWh in December 2009.
  - This was higher by 1 840 GWh, or 12.2%, compared to December 2008.
  - This was an increase of 1 975 GWh, or 13.2%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed the most significant percentage change compared to the previous month with an increase of 62.2%, or 115 GWh.
- Total production for the year-to-date was 185 984 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 3 780 GWh, or 2%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 116.2% higher.
  - Trade volume increased by 509 GWh, or 27.4%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



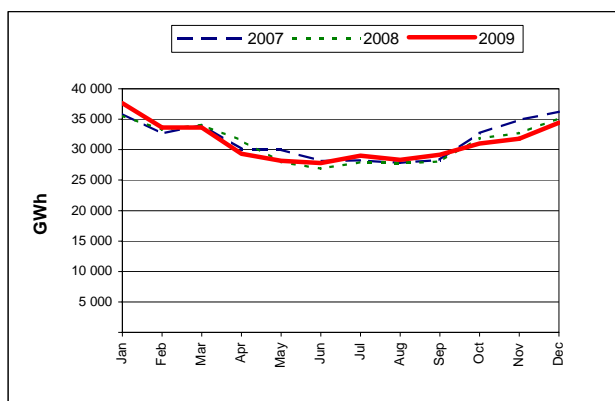
## COUNTRY NOTES:

## UNITED KINGDOM

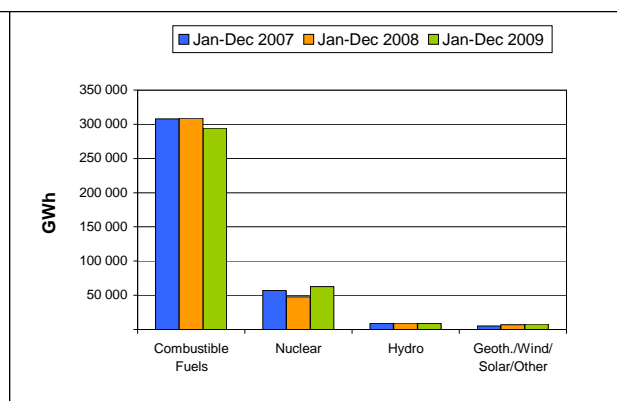
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	27 734	-3.9%	22 792	25 023	25 156	294 137	-4.8%	309 050
+ Nuclear	5 229	9.3%	4 851	4 522	5 058	62 846	31.8%	47 674
+ Hydro	737	-16.7%	835	779	890	8 892	-3.5%	9 212
+ Geoth./Wind/Solar/Other	716	13.8%	693	701	708	8 104	13.9%	7 116
<b>= Indigenous Production</b>	<b>34 416</b>	<b>-2.1%</b>	<b>29 171</b>	<b>31 025</b>	<b>31 812</b>	<b>373 979</b>	<b>0.2%</b>	<b>373 052</b>
+ Imports	336	-37.1%	185	60	306	6 608	-46.3%	12 294
- Exports	647	92.0%	405	736	613	3 746	194.3%	1 273
<b>= Electricity Supplied</b>	<b>34 105</b>	<b>-3.5%</b>	<b>28 951</b>	<b>30 349</b>	<b>31 505</b>	<b>376 841</b>	<b>-1.9%</b>	<b>384 073</b>

- Electricity production was 34 416 GWh in December 2009.
  - This was lower by 734 GWh, or 2.1%, compared to December 2008.
  - This was an increase of 2 604 GWh, or 8.2%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with a decrease of 17.2%, or 153 GWh.
- Total production for the year-to-date was 373 979 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 927 GWh, or 0.2%.
  - Nuclear production showed the largest percentage change by fuel type, being 31.8% higher.
  - Trade volume decreased by 3 213 GWh, or 23.7%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

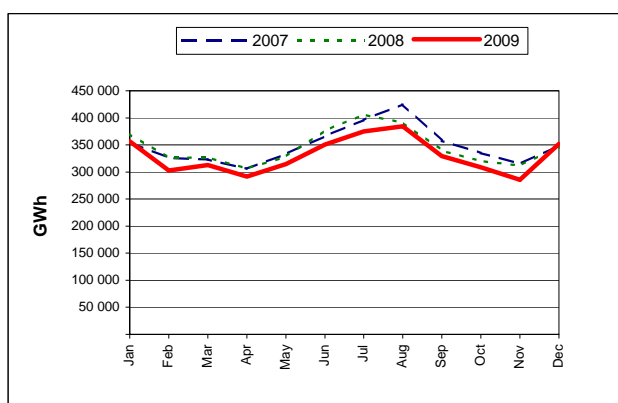
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.

## UNITED STATES

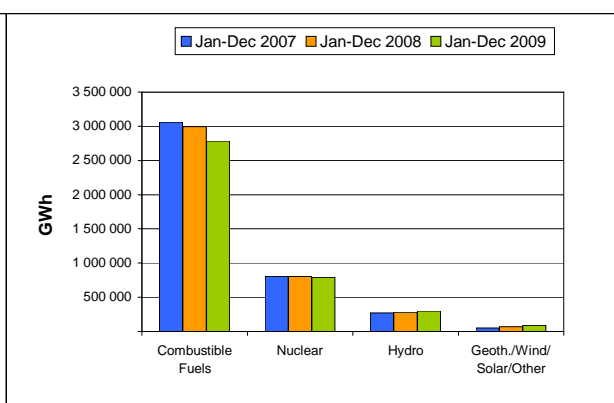
	GWh							
	Dec-09	Dec-08 % change	The last 3 months			Year-to-Date		Past Year 2008
			Sep-09	Oct-09	Nov-09	Jan-Dec 2009	% change	
+ Combustible Fuels	246 059	1.3%	238 371	222 158	199 268	2 785 617	-6.9%	2 993 083
+ Nuclear	70 200	-3.4%	65 716	57 491	56 969	792 132	-1.7%	806 208
+ Hydro	26 883	17.7%	19 852	21 752	21 910	299 467	6.9%	280 111
+ Geoth./Wind/Solar/Other	8 961	19.2%	5 681	7 473	7 320	86 832	20.7%	71 955
<b>= Indigenous Production</b>	<b>352 103</b>	<b>1.8%</b>	<b>329 620</b>	<b>308 874</b>	<b>285 467</b>	<b>3 964 048</b>	<b>-4.5%</b>	<b>4 151 357</b>
+ Imports	4 621	32.7%	4 491	4 731	3 848	52 430	-8.1%	57 022
- Exports	1 350	-6.2%	1 379	1 355	1 281	18 109	-24.8%	24 083
<b>= Electricity Supplied</b>	<b>355 374</b>	<b>2.1%</b>	<b>332 732</b>	<b>312 250</b>	<b>288 034</b>	<b>3 998 369</b>	<b>-4.4%</b>	<b>4 184 296</b>

- Electricity production was 352 103 GWh in December 2009.
  - This was higher by 6 208 GWh, or 1.8%, compared to December 2008.
  - This was an increase of 66 636 GWh, or 23.3%, compared to the previous month.
  - Combustible Fuels production showed the most significant percentage change compared to the previous month with an increase of 23.5%, or 46 791 GWh.
- Total production for the year-to-date was 3 964 048 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 187 309 GWh, or 4.5%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by fuel type, being 20.7% higher.
  - Trade volume decreased by 10 566 GWh, or 13%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

- Includes the 50 States and the District of Columbia.
- The production data for December 2009 are estimated based on the Monthly Flash Estimates of Electric Power Data released by the Energy Information Administration.

## PRINCIPLES AND DEFINITIONS

### General notes

- The objective of the Monthly Electricity Statistics is to provide an early indication of supply side trends in the electricity sector. Therefore, to allow timely publication, the IEA may supplement national statistics with data from other sources.
- Where adequate information is not available from external sources estimates have been made by the IEA. Methodological notes are provided on individual country pages.
- Definitions are consistent with the IEA's "Electricity and Heat" annual questionnaire. Statistics are subject to revision upon official receipt of the annual questionnaire from National Administrations or improved data becoming available.
- Monthly statistics are consistent with those provided in the Quarterly Statistics published by the IEA.
- Electricity production is reported in TWh for the regional aggregates and in GWh for the individual countries. The grouping of electricity generation by source reflects available monthly data and/or small individual quantities.
- Note that historic data is often recalculated. Therefore, the latest publication should be considered most accurate. Regional and organisational summaries may also change based on country recalculations.

### Basic definitions

- 'Production' = Net generation excludes power station own use.
- 'Combustible Fuels' = Production from combustible fuels, including combustible renewables and wastes.
- 'Nuclear' = Energy released by nuclear fission or nuclear fusion.
- 'Hydro' = Net generation from hydro facilities including pumped storage production.
- 'Geoth./Wind/Solar/Other' = Generation from geothermal, wind, solar and other renewables not included in combustible fuels.
- 'Indigenous Production' = The sum of electricity production by fuel type.
- 'Imports/ Exports' = Amounts of electricity that have crossed political boundaries of the country, whether customs clearance has taken place or not.
- 'Electricity supplied' = Indigenous production + Imports - Exports.
- 'Year' = Calendar year (January to December) unless otherwise stated.
- 'Year-to-date' = The sum of all months from the start of the calendar year to the latest month.

### Publication details and further information

- This publication is released in the middle of each month onto the IEA's Website. (<http://www.iea.org/publications/index.asp>).
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